# Introduction

This document provides information about Workforce Dimensions updates. Kronos recommends that you read this document, and that you keep a printed copy.

> **Note:** This document is cumulative; it includes all previous updates to R4.x.

> **Note:** Some new features or resolved issues originally slated for an R4.x update (R4.1.0-4.4.0) may have been retroactively applied to an R3.x update (R3.9.0 or R3.10.0). These will not be listed in this Update Summary. Please reference the R3.10.0 Update Summary for these features and issues.

This document provides the following information about Workforce Dimensions:

- Information about documentation modifications.
- Information about new features.
- Descriptions of issues that were resolved in this update.

# What's New?

> **Note:** Most Workforce Dimensions features are not enabled by default, and need to be enabled (for example, via FAPs or DAPs). The exception is features that are incorporated within the existing product capabilities (for example, data being added to a Dataview, or API additions/updates).

## 9/24/19 (R4.11.0 Express Upgrade 2)

The feature(s) below were added for R4.11.0 EU 2.

| Issue Numbers | Feature | Description |
|---|---|---|
| **Timekeeper** | | |
| FLC-62855/ WFD-3677 | View Pay Rule | The application has been enhanced to allow managers to easily see what Pay Rule the employee is assigned to while viewing the employee's timecard. This allows the manager to better assess if the hours and totals in the timecard are correct for that employee.<br><br>Manager can view an employee's pay rule by running he Rules Analysis report from the employee timecard. |

## 9/19/19 (R4.11.0)

The feature(s) below were added for R4.11.0.

| Issue Numbers | Feature | Description |
|---|---|---|
| **Globalization** | | |
| None | Japanese language support | Language support has been added for Japanese. |
| **Platform** | | |
| FLC-63128/ WFD-3727 | Previously-selected employees retained for Reports | Previously-selected employees will now be retained for use in Reports when selecting one or more employees from a Dataview or from the Employee Search results. |

| Issue Numbers | Feature | Description |
| --- | --- | --- |
| **Scheduler** | | |
| FLC-59520/ WFD-3165 | Partial success support for Schedule API | For integration purposes, the Schedule API has been updated to support partial success and better error messaging so that if one record fails, the entire batch doesn't fail. |
| **Timekeeper** | | |
| FLC-53080/ WFD-2094 | Workforce Dimensions API to provide the details of absence spans | Absence Pay Code edits can now be provided from users' Timekeeping system as a Span of days of absence from the first day of Absence through the last day prior to the next worked day.<br><br>That span may cross non-working days (unscheduled, weekends), Public Holidays and even Pay Periods.<br><br>The previous Workforce Dimensions APIs only provided the ability to pull the paycodes by day, which leaves the work to combine them into a span up to the Data Integration. |
| None | User-friendly path | For job transfers, the job information that was displayed by default in the Transfer panel was the job's effective date, and more information about the job (the Business Structure information) was provided if you selected the more information icon. Now, the Business Structure information is displayed by default and effective dates can be viewed by selecting the more information icon. |

## 8/22/19 (R4.10.0)

The feature(s) below were added for R4.10.0.

| Issue Numbers | Feature | Description |
| --- | --- | --- |
| **Platform** | | |
| FLC-67263 | Integration database updates to support '"Extension table"-like functionality for BIRT | Integration database updates have been made to support the R4.8.0 feature, '"Extension table"-like functionality for BIRT custom reports'. |

| Issue Numbers | Feature | Description |
|---|---|---|
| | custom reports' | |
| FLC-67041 | Enhancement to send reports via email as an attachment | Users can now send reports as an email attachment for scheduled reports to allow ease of viewing the report without logging into the Workforce Dimensions application. This capability has been built in Workforce Dimensions and the customer can specify to send report as email attachment while scheduling the report.<br><br>Notes:<br>• PDF and XLSX are the supported report formats.<br>• Workforce Dimensions will not send report as attachment if the report size was greater than 10 MB.<br> • Customers need to ensure their email system allow email attachment up to 10 MB to avoid attachments stripping or email blocking. |
| FLC-56133/ WFD-2569 | Hyperfind Name selectable in the BIRT design tool | Previously, users of the Report Studio available in Workforce Dimensions for report creation and editing were only able limit the data returned in a test report execution by choosing a Hyperfind ID to apply to the report. This was challenging for users as the Hyperfind ID is not readily available. This has been updated to allow the user to select from the available Hyperfinds by name. |
| None | Functional Access Profile API | This API resource allows users to create, retrieve, update and delete Function Access Profiles and information associated with Function Access Profiles.<br><br>Function Access Profiles contain permissions to points in the hierarchy of functions, known as access control points (ACPs). The access control points can correspond to general functions, such as Timecard and Schedule, or to individual options, such as birth dates or wage rates.<br>• **Function Access Hierarchy** – Suite functions |

| Issue Numbers | Feature | Description |
|---|---|---|
| | | and components are listed on the Function Access Profile pages and can be expanded to display the full hierarchy. Each function, or access control point, has only one parent point. For example, the Timekeeping Employee category is a parent to function areas such as Timestamp for Employee and functions in the timecard such as cancel meal deductions and comments. If you assign Allowed access rights to a parent function, access rights are allowed throughout the functional hierarchy.<br>• **Actions** – Access control points have an associated permission action. Actions are operations that employees can perform on the function. Access profiles can have Add, Edit, Delete, and View actions associated with an access control point.<br>• **Access Scope** – Access scopes define whether a user is allowed to perform an action. Access scopes include All, All but self, None, Allowed, and Disallowed. Various appears at the parent level when you do no set all child functions to Allow or Disallow. |
| **Scheduler** | | |
| FLC-64785/ WFD-4049 | Shift Set API | The Shift Set API has been added, providing a public API to READ Shift Set assignments and definitions. |
| None | Drag and Drop in Schedule Planner | The Drag and Drop feature greatly improves schedule usability by allowing a manager to quickly adjust shift start and end times with a horizontal drag and drop of shifts.<br><br>Users can move shifts horizontally, diagonally, or vertically.<br>• If users move to an employee with a different primary job, this will result in a transfer.<br>• Users can move a shift in 15-minute increments if they select a date span of 2 days or less.<br>• Users can move the shift in a 1-day increment for |

| Issue Numbers | Feature | Description |
|---|---|---|
| | | any larger span (3 days or more). |
| **Timekeeper** | | |
| FLC-68726/ WFD-4803 | Muster Roll Enablement Enhancement | The Muster Roll statutory report for India was not able to count holiday days that were recorded using an hours-based pay code. This modification allows the customer to map an hours-based pay code to a Muster Roll Leave Code to accurately track holidays. The best practice is to use a Holiday Credit Rule with an hours-based pay code configured to account for a holiday and to then map this pay code to the desired Muster Roll Leave Code. |
| FLC-62132/ WFD-3544 | Attestation meal break workflow for canceling select meal break deductions | The ability to have employees cancel their first meal break, their second meal break, or both breaks (All) is now included in Workforce Dimensions Attestation workflows. A new Attestation model has been added with this new functionality. |
| FLC-61873/ WFD-3484 | Attestation profile assignment added as part of HCM person import | The HCM Person import has been updated to support the the assignment of the Attestation Profile based on the HR profile. This will require the CRT configuration to take advantage of this feature in the integration.<br><br>Previously, once a person was loaded to Workforce Dimensions from HCM, a user needed to modify the employee record and add the proper profiles related to Attestation Toolkit (ATK). The Attestation Profile assignment is now part of the HCM person import. |

In addition, the following API operation(s) were added for R4.10.0.

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| People | Person | Retrieve Attestation Profile | POST | `/v1/commons/persons/attestation_profile_assignments/multi_read` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | Assignments > Attestation Profile Assignments | Assignments | | |
| People | Person Assignments > Attestation Profile Assignments | Update Attestation Profile Assignments | POST | `/v1/commons/persons/attestation_ profile_assignments/multi_update` |
| Common Resources | Function Access Profiles | Retrieve All Function Access Profiles | GET | `/v1/commons/function_access_ profiles` |
| Common Resources | Function Access Profiles | Retrieve Function Access Profile by ID | GET | `/v1/commons/function_access_ profiles/{id}` |
| Common Resources | Function Access Profiles | Create Function Access Profile | POST | `/v1/commons/function_access_ profiles` |
| Common Resources | Function Access Profiles | Update Function Access Profile by ID | PUT | `/v1/commons/function_access_ profiles/{id}` |
| Common Resources | Function Access Profiles | Delete Function Access Profile by ID | DELETE | `/v1/commons/function_access_ profiles/{id}` |
| Common Resources | Access Control Points | Retrieve All Access Control Points | GET | `/v1/commons/access_control_ points` |
| Scheduling Setup | Standard Shift Set Assignments | Retrieve Shift Set Assignments | POST | `/v1/scheduling/standard_shift_ sets/assignments/multi_read` |
| Scheduling Setup | Standard Shift Sets | Retrieve All Standard Shift Sets or by Name | GET | `/v1/scheduling/standard_shift_ sets` |
| Scheduling Setup | Standard Shift Sets | Retrieve Standard Shift Sets by ID | GET | `/v1/scheduling/standard_shift_ sets/{id}` |
| Scheduling Setup | Standard Shift Sets | Retrieve Standard Shift Sets | POST | `/v1/scheduling/standard_shift_ sets/multi_read` |

# 7/26/19 (R4.9.0)

The feature(s) below were added for R4.9.0.

| Issue Numbers | Feature | Description |
|---|---|---|
| **Business Structure** | | |
| None | Effective dating removed for three fields, and Support for back-dating nodes in the business structure | The following fields in the three Business Structure elements will no longer require effective dating:<br>• **Types**: Name, Description<br>• **Locations**: Full Name, Location Name, Description<br>• **Jobs**: Job Name, Description<br><br>Effective date changes in the past will be supported if no other changes violate back-dating rules. The date of limit after a change will be changed from Tomorrow to Today to allow immediate usage.<br><br>In addition, the number of fields that can be edited without changing the effective date has been increased, and now back dating of changes is supported for when these fields are modified. The following fields in each Business Structure component do not require an effective dated change or can be update in the past:<br>• **Types**: Hierarchy Order, Name Description<br>• **Locations**: Full Name Location Name, Description, Address<br>• **Jobs**: Job Title, Job Name, Description, Job Codes, Sort Order Number, Color<br><br>Also, users now have the ability to have changes take effect as of Today (instead of Tomorrow). |
| None | Search for the Name and Description fields when transferring a Business Structure, Labor Category, Cost Center, or Work Rule | Labor Categories and Cost Centers can be configured with a Name and Description and now, during a Transfer, the Name and Description are both visible and searchable. |
| None | Optional Labor Category validation | When the All Entries system list is enabled, then for each Labor Category, a Labor Category Entry List is |

| Issue Numbers | Feature | Description |
|---|---|---|
| | | created with the default name All Entries – LaborCategoryName. All Labor Category Entries associated with the Labor Category are added to this list. When new Labor Category Entries are created for the Labor Category, they are automatically added to the associated All Entries list. |
| **Common Business** | | |
| FLC-57441/ WFD-2830 | HCM People Import error resolved | An error will no longer appear for the HCM People Import when the employee Time and Labor Profile effective date is not within the current Employment Terms start and end dates. |
| **Globalization** | | |
| None | Czech language support | Language support has been added for Czech. |
| **Scheduler** | | |
| FLC-63125/ WFD-3725 | Ability to request time off on behalf of employees | Administrators can now request time off on behalf of employees, in order to accommodate users who do not know how to use a computer and do not own a smart phone. |
| FLC-56855/ WFD-2723 | The selection of cascade pay codes in schedule patterns | The ability to select cascade paycodes in schedule patterns (previously available in Workforce Central) has been added for Workforce Dimensions. |
| **TeleStaff** | | |
| | Handling for signed-off time periods in TeleStaff Integrations | When running an integration to import a schedule from TeleStaff, users can set TeleStaff to merge shifts or adjust the shift to a calendar date. This functionality was available previously.<br><br>However, when the Associate Shift Segments to Calendar Date or Merge Adjacent Working Periods properties are set in Workforce TeleStaff or Workforce Planner, and the shift or paycode edit that the schedule is merging with or the date it is adjusting to is signed off, a warning will now be listed in the integration run summary. |

| Issue Numbers | Feature | Description |
|---|---|---|
| **Timekeeper** | | |
| FLC-69027/ WFD-4857 | Punch Interpretation Rule enforcement When Punching With Attestation from the device | Users can now restrict unscheduled employees from a device when using the Attestation configured soft keys. The Punch Interpretation Rules (PIRs) will be enforced for Attestation punches from device when a PIR is set to restrict unscheduled punches and FAP is set to restrict punches. |
| None | Long list handling enhancements | The loading times has been improved for:<br>• long list handling: loading every available entry upon opening the screen.<br>• labor category entries: when there is a significant number of Labor Category entries configured in the system.<br><br>This enhancement affects the following:<br>• Setup: Labor Category Entries<br>• Setup: Labor Category Entry Lists<br>• Setup: Labor Category Profiles<br>• Person Record |

In addition, the following API operation(s) were added for R4.9.0.

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| People | Person Assignments > Employee Tag Assignments | Retrieve Employee Tag Assignments by Person ID | GET | `/v1/commons/persons/employee_tags/{person_id}` |
| People | Person Assignments > Employee Tag Assignments | Retrieve Employee Tag Assignments by Person Number | GET | `/v1/commons/persons/employee_tags` |
| People | Person Assignments | Retrieve Employee Tag Assignments— | POST | `/v1/commons/persons/employee_tags/multi_read` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | > Employee Tag Assignments | Multiple Employees | | |
| People | Person Assignments > Employee Tag Assignments | Create Employee Tag Assignments | POST | `/v1/commons/persons/employee_tags` |
| People | Person Assignments > Employee Tag Assignments | Create Employee Tag Assignments— Multiple Employees | POST | `/v1/commons/persons/employee_tags/multi_create` |
| People | Person Assignments > Employee Tag Assignments | Create, Update, or Remove Employee Tag Assignments | PUT | `/v1/commons/persons/employee_tags` |
| People | Person Assignments > Employee Tag Assignments | Create, Update, or Remove Employee Tag Assignments— Multiple Employees | POST | `/v1/commons/persons/employee_tags/multi_upsert` |
| People | Person Assignments > Employee Tag Assignments | Delete Employee Tag Assignments | POST | `/v1/commons/persons/employee_tags/apply_delete` |
| People | Person Assignments > Employee Tag Assignments | Delete Employee Tag Assignments— Multiple Employees | POST | `/v1/commons/persons/employee_tags/multi_delete` |
| Scheduling Setup | Employee Visibility Periods | Retrieve All Employee Visibility Periods or by Name | GET | `/v1/scheduling/setup/employee_visibility_periods` |
| Scheduling Setup | Employee Visibility Periods | Retrieve Employee Visibility Period by ID | GET | `/v1/scheduling/setup/employee_visibility_periods/{id}` |

# 6/21/19 (R4.8.0)

The feature(s) below were added for R4.8.0.

| Issue Numbers | Feature | Description |
|---|---|---|
| **Business Structures** | | |
| None | New system setting on the Global tab | A system setting has been added to the Global tab. When enabled, this setting turns on Display of Forecast Category in the Business Structure. |
| None | Multiple job assignments at a time to a location | The Assign Jobs to Location action will now launch a slider for assigning multiple Jobs to a Location in a single action. |
| **Forecasting** | | |
| None | Setting on the System Setting Forecasting tab | A setting has been added to the System Setting Forecasting tab. When enabled, this setting turns on Display of Forecast Category in the Business Structure. |
| **Platform** | | |
| FLC-66771/ WFD-4445 | Device ID column in Dataviews/report for punches | A Device ID column will be viewable for Dataviews/Reports when a punch originates from an Attestation Workflow. |
| None | Support for the successful ad hoc execution of large "Custom – Read Only" reports | With this update to Workforce Dimensions Reporting, "Custom – Read Only" reports can be executed on an ad hoc basis for large data sets (for example, employees or time period). Prior to this enhancement, large reports executed on an ad hoc basis would fail due to system timeout. These reports will now be treated as a scheduled report for execution purposes. |
| **Scheduler** | | |
| FLC-62066/ WFD-3532 | API to read list of schedule groups | An API has been added to edit and view groups as if users are in the **Workforce Dimensions Setup > Scheduling > groups** screen, whether they have employees assigned or not. |
| FLC-62063/ WFD-3531 | API to read full employee visibility period | An API has been added to return all information about an employee visibility period. |
| FLC-61749/ | Schedule Rule Violation API | This API adds more detail (specific rules details) to |

| Issue Numbers | Feature | Description |
|---|---|---|
| WFD-3472 | | the existing schedule rule sets API. |
| FLC-56271/ WFD-2604 | Schedule Rule Set Assignment API | This API has been updated to allow users to more easily update rule set assignments. Previously, the entire assignment history had to be added in the request. Now users can simply provide the assignment span that they want to modify.<br><br>A requirement has been removed to pass on all historic information for the v1/commons/persons/schedule_rule_sets API. Users can now choose to keep, update, or delete assignments. |
| FLC-54505/ WFD-2306 | Custom tags added to Schedule Posting alert notifications | The application can now notify employees of changes to their schedule after it has been posted. <Change> and <Edit Type> Custom tags will now appear in Schedule Posting alert notifications.<br><br>This feature can be initiated through the new "Notify Employees" tools menu option in Schedule Planner, upon Schedule Planner "Save" action as a configuration option in the schedule planner settings, or through a REST API. |
| FLC-55824/ WFD-2521 | API For schedule updates modified since a particular date and time | An API has been added to provide the data for the schedule updates modified since a given date and time. |
| **Timekeeper** | | |
| FLC-66138/ WFD-4311 | Additional Employee Detail data columns | Three new data columns have been added to the Employee Details entity to provide additional data from the Person Record. The three added columns now available for use in Dataviews and reports are:<br><br>• Display Profile Name - The user's assigned Display Profile.<br>• Function Access Profile Name - The user's assigned Function Access Profile.<br>• Employee Group - The user's assigned Employee Group. |

| Issue Numbers | Feature | Description |
|---|---|---|
| FLC-66098/ WFD-4309 | Apply Date enhancement for the Raw Total by Calendar Day transaction type | The Raw Total by Calendar Day transaction type will now provide an Apply Date value that reflects the calendar day the hours were worked, regardless of the employee's Fixed Rule. Previously, the Raw Total by Calendar Day transaction type returned when using the Timecard Transactions data columns provided an Apply Date value that was based on the employee's assigned Fixed Rule, even though the totals (hours, wages) were returned based on the calendar day. This created challenges for customers using the Raw Total by Calendar Day in a Dataview to access Payroll Based Journaling (PBJ) totals or to view midnight-to-midnight totals as required for compliance in certain industries. |
| FLC-61364/ WFD-3420 | Person multiupsert API enhancement | The application has been enhanced to address performance issues (timeouts for the Person multiupsert API). The Update or Create Persons (POST /v1/commons/persons/multi_upsert) API operation timed out when the laborCategoryName property was passed in the request body. In such cases, the "All Organizational Groups" transfer set was applied to these employees and caused a performance issue. |
| FLC-55842/ WFD-2525 | Rounded times will now appear in worked spans in API calls | When using v1/timekeeping/timecard/multi_read and /v1/commons/data/multi_read, the worked spans do not return rounded punch values as they do in the worked shifts spans. Worked spans would will now provide the same data as worked shifts. |
| FLC-55726/ WFD-2507 | "Extension table"-like functionality for BIRT custom reports | "Extension table"-like functionality has been made available to work for BIRT custom report use so that this data can be included in the custom report. |
| None | Geo-location data API Enhancement | The Timecard API has been enhanced to support geo-location information associated with a punch in the following ways:<br>• Employees can submit a punch with geo-location data via the Timecard API; validations of the punch |

| Issue Numbers | Feature | Description |
|---|---|---|
| | | and location information will be run.<br>• Managers can submit a punch on behalf of an employee with location information and have the location information recognized. This capability is controlled by the new "Edit Punch location information" access control point in **Manager - Department Manager > Timecard Editor for Managers**. |
| None | Hours Allocation | Managers can now allocate the time an employee works to different projects, such as labor categories, without the employee having to punch in and out for each different project they work on during the day. The allocation of hours does not impact totals; allocations are only used for billing purposes. |

In addition, the following API operation(s) were added for R4.8.0.

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Scheduling | Manager Schedules | Retrieve Employee Schedule Changes | POST | `/v1/scheduling/schedule/changes/multi_read` |
| Scheduling | Manager Schedule Actions | Send Schedule Change Notifications | POST | `/v1/scheduling/schedule_management_actions/notifications/apply_update` |

# 5/31/19 (R4.7.0)

The feature(s) below were added for R4.7.0.

| Issue Numbers | Feature | Description |
|---|---|---|
| **Information Access** | | |
| None | Dataview export to delimited file | This feature adds the ability to delete a complete download or an "In progress" download. If users |

| Issue Numbers | Feature | Description |
|---|---|---|
| | | execute a download, this creates a job that is processes the request and prepares the CSV file. The user can delete this "In progress" job if it is not necessary. In addition, they can delete the generated file. |
| **Scheduler** | | |
| FLC-64710/ WFD-4034 | Schedule patterns no longer applied to Employment Terms not configured to allow schedule inheritance | Previously, employment terms with "All Schedule Inheritance" un-checked was assigning patterns to employees. Employees are also assigned to Schedule Group which are allow schedule inheritance; this was causing duplicate schedules. For Employment Terms configured to not allow schedule inheritance, schedule patterns will no longer be applied to employees. |
| **Timekeeper** | | |
| FLC-67095/ WFD-4505 | Device ID for rejected attested punches | Rejected attested punches without questions will now retain the Device ID. |
| FLC-53141/ WFD-2089 | Muster Roll Report Enablement | The configuration of Muster Roll Leave Codes and the availability of new "Muster Roll" data columns enables the creation of the Muster Roll report for customers in India. This report is required for compliance. |

In addition, the following API operation(s) were added for R4.7.0.

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Common Resources | Bulk Downloads | Delete Bulk Downloads | POST | `/v1/commons/exports/multi_ delete` |

# 5/17/19 (R4.6.0)

The feature(s) below were added for R4.6.0.

# 5/3/19 (R4.5.0)

The feature(s) below were added for R4.5.0.

| Issue Numbers | Feature | Description |
|---|---|---|
| **Common Business** | | |
| FLC-62485/ WFD-3608 | No error in Transaction Assistant for future-dated New Hire employee start date | A standard HCM People Import previously completed with an error in Transaction Assistant when a New Hire employee's start date was future-dated. The Boomi process has been updated to prevent this error. |
| **Scheduler** | | |
| None | Workforce Planner branding | Workforce Planner is a rebranded version of TeleStaff for Manufacturing. This feature rebrands the Entitlement, License, and iPacks (developed for TeleStaff) for Planner. This will provide the same level of integration, previously delivered for TeleStaff with Workforce Dimensions, to Planner with Workforce Dimensions. |
| **Timekeeper** | | |
| FLC-57901/ WFD-2917 | url/api/v1/timekeeping/setup/pay_codes API call enhancement | The url/api/v1/timekeeping/setup/pay_codes API call has been updated to include an entry that denotes whether or not the "Visible on Totals tab in Timecard" setting in the Pay Code Definition is selected or is not selected. This feature will allow the customer to develop a test suite that can validate whether pay code totals are correct. |

In addition, the following API operation(s) were added for R4.5.0.

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Common Resources | Comments | Retrieve Comments-Manager | GET | `/v1/commons/comments` |
| Common Resources | Comments | Retrieve Comments-Employee | GET | `/v1/commons/comments/employee_comments` |

# 4/13/19 (R4.4.0)

The feature(s) below were added for R4.4.0.

| Issue Numbers | Feature | Description |
|---|---|---|
| **Common Business** | | |
| FLC-61788/ WFD-3477 | Company EIN process property | The HCM Payroll Export previously only matched the Company/EIN with the full path in the Business Structure. But this may not match the EIN the employee is employed in WFD HCM Payroll. This may cause hours to error-out or be dropped in the Payroll Export process. Users needed to be able to use another field to match Company in WFD Timekeeper with the Company/EIN in WFD HCM Payroll. Now, the process property will only control which EIN batch to populate. Populating the HCM Cost Center and job in Run Summary does not change. When "Primary Job" is selected in Process property: The job shown in the Run Summary error message will remain as Worked Job. The job that will be posted in Cost Center column in Pay Statement will also be Worked job. |
| **Globalization** | | |
| None | Dutch language support | Language support has been added for Dutch. |
| **Platform** | | |
| None | Dataview Download option | Users with access to a large number of employees or locations will now be able to execute a Dataview that returns data for all employees or locations, and then download data to a file when it exceeds the display limitations of a Dataview. The users will be prompted with an option to download the data returned by the Dataview in a CSV file. This feature prevents the need to use multiple Hyperfinds to limit the data returned in a Dataview. It is available for employee and business structure Dataviews.

Users with proper permissions (from **Function Access Profile > Everyone > Downloads**) will be able to bypass service limits and be prompted to initiate the data download. With default tenant configurations, the Dataview Download option will |
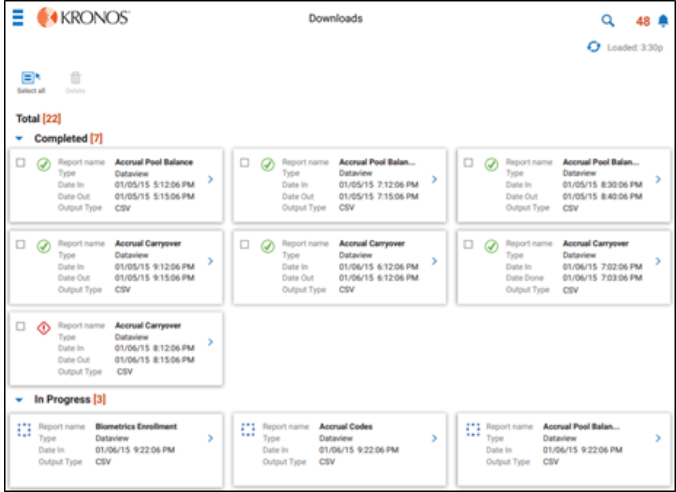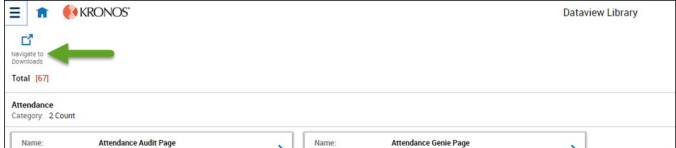
| Issue Numbers | Feature | Description |
|---|---|---|
| | | trigger when the request is for greater than 3500 employees or 300 locations.<br><br>**Note**: The Downloads functionality should only be given to users who must gain access to a large set of information in a single request. Service limits (of 1 active download per user and 50 active downloads per tenant) are safe constraints placed on data to prevent performance degradation.<br><br><br><br><br><br>To retrieve previous downloads, users can navigate to the Downloads page from the **Navigate to Downloads** button in the Dataview Library, and click on a slat to initiate the file download into the user's local storage.<br><br>This feature is disabled by default. To enable it, |

| Issue Numbers | Feature | Description |
|---|---|---|
| | | enable the Downloads FAP noted above. |
| FLC-57335/ WFD-2822 | New data column for the "Authentication Type" employee attribute | A Hyperfind has been added for the "Authentication Type" employee attribute on People Information page, to identify employees that do not have a status of Federated. The data column will be available for use in Dataviews and reports. |
| **Timekeeper** | | |
| FLC-53728/ WFD-2427 | Performance enhancement for the Paycode edit API, /wfc /restcall/v1/timekeeping/timecard/ | The /wfc/restcall/v1/timekeeping/timecard/ API is a single data entity update call. When executing for bulk records, the number of network calls previously increased immensely. The performance for this API has been improved. |

In addition, the following API operation(s) were added for R4.4.0.

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Common Resources | Control Center Profiles | Retrieve All Control Center Profiles | GET | `/v1/commons/control_center_profiles` |
| Common Resources | Control Center Profiles | Retrieve Control Center Profile by ID | GET | `/v1/commons/control_center_profiles/{id}` |
| Common Resources | Control Center Profiles | Retrieve Control Center Profiles | POST | `/v1/commons/control_center_profiles/multi_read` |
| Common Resources > Information Access | Dataview Profiles | Retrieve Dataview Profiles | POST | `/v1/commons/dataview_profiles/multi_read` |
| Common Resources | Display Profiles | Retrieve All Display Profiles | GET | `/v1/commons/display_profiles` |
| Common Resources | Display Profiles | Retrieve Display Profile by ID | GET | `/v1/commons/display_profiles/{id}` |
| Common | Display | Retrieve Display | POST | `/v1/commons/display_profiles/multi_read` |

| Domain | Resource | Operation | Method | URL endpoint |
|--------|----------|-----------|--------|--------------|
| Resources | Profiles | Profiles | | |
| Common Resources | Display Profiles | Create Display Profile | POST | `/v1/commons/display_profiles` |
| Common Resources | Display Profiles | Create Display Profiles | POST | `/v1/commons/display_profiles/multi_create` |
| Common Resources | Display Profiles | Update Display Profile by ID | PUT | `/v1/commons/display_profiles/{id}` |
| Common Resources | Display Profiles | Update Display Profiles | POST | `/v1/commons/display_profiles/multi_update` |
| Common Resources | Display Profiles | Delete Display Profile by ID | DELETE | `/v1/commons/display_profiles/{id}` |
| Common Resources | Display Profiles | Retrieve All Display Profiles | GET | `/v1/commons/display_profiles` |
| Common Resources | Bulk Downloads | Submit Bulk Download | POST | `/v1/commons/exports/async` |
| Common Resources | Bulk Downloads | Retrieve Download Request Summary | GET | `/v1/commons/exports` |
| Common Resources | Bulk Downloads | Retrieve Download Status | GET | `/v1/commons/exports/{id}/status` |
| Common Resources | Bulk Downloads | Retrieve Download Results | GET | `/v1/commons/exports/{id}/file` |
| Common Resources > Information Access | Home Pages | Retrieve Home Page Profiles | POST | `/v1/commons/home_pages/multi_read` |
| Common Resources > Hyperfind | Hyperfind Profiles | Retrieve All Hyperfind Profiles | GET | `/v1/commons/hyperfind_profiles` |
| Common Resources > Hyperfind | Hyperfind Profiles | Retrieve Hyperfind Profile by ID | GET | `/v1/commons/hyperfind_profiles/{id}` |
| Common | Hyperfind | Retrieve | POST | `/v1/commons/hyperfind_profiles/multi_read` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Resources > Hyperfind | Profiles | Hyperfind Profiles | | |
| Common Resources > Business Structures | Jobs | Retrieve Effective Job by External ID | GET | `/v1/commons/jobs/external_ids/ {externalId}` |
| Common Resources > Business Structures | Jobs | Retrieve Effective Jobs by External IDs | POST | `/v1/commons/jobs/external_ids/ multi_read` |
| Common Resources > Business Structures | Location Types | Retrieve Location Type by External ID | GET | `/v1/commons/location_types/external_ids/ {externalId}` |
| Common Resources > Business Structures | Location Types | Retrieve Location Types by External IDs | POST | `/v1/commons/location_types/external_ids/multi_ read` |
| Common Resources > Business Structures | Locations | Retrieve Location by External IDs | GET | `/v1/commons/locations/external_ids/{external_ id}` |
| Common Resources > Business Structures | Locations | Retrieve Locations by External IDs | POST | `/v1/commons/locations/external_ids/multi_read` |
| Common Resources > People | People Information Profiles | Retrieve All People Information Profiles | GET | `/v1/commons/person_profiles` |
| Common Resources > People | People Information Profiles | Retrieve People Information Profile by ID | GET | `/v1/commons/person_profiles/{id}` |
| Common Resources > People | People Information Profiles | Retrieve People Information Profiles | POST | `/v1/commons/person_profiles/multi_read` |
| Common Resources > | Person | Retrieve Category Profile | GET | `/v1/commons/persons/forecasting_category_ profiles` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| People | Assignments > Category Profile Assignments | Assignment by Person Number | | |
| Common Resources > People | Person Assignments > Category Profile Assignments | Retrieve Category Profile Assignment by Person Key | GET | `/v1/commons/persons/forecasting_category_ profiles/{personKey}` |
| Common Resources > People | Person Assignments > Category Profile Assignments | Retrieve Category Profile Assignments | POST | `/v1/commons/persons/forecasting_category_ profiles/multi_read` |
| Common Resources > People | Person Assignments > Category Profile Assignments | Create or Update Category Profile Assignment | PUT | `/v1/commons/persons/forecasting_category_ profiles` |
| Common Resources > People | Person Assignments > Category Profile Assignments | Update Category Profile Assignments | POST | `/v1/commons/persons/forecasting_category_ profiles/multi_update` |
| Common Resources > People | Person Assignments > Category Profile Assignments | Delete Category Profile Assignment | DELETE | `/v1/commons/persons/forecasting_category_ profiles` |
| Common Resources > People | Person Assignments > Category Profile Assignments | Delete Category Profile Assignments | POST | `/v1/commons/persons/forecasting_category_ profiles/multi_delete` |
| Common Resources > People | Person Assignments > Percentage Allocation | Retrieve All Percentage Allocation Rules | GET | `/v1/commons/persons/percentage_allocation_ rules/multi_read` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | Rule Assignments | | | |
| Common Resources > People | Person Assignments > Percentage Allocation Rule Assignments | Retrieve Percentage Allocation Rules by ID | GET | `/v1/commons/persons/percentage_allocation_rules/{personId}` |
| Common Resources > People | Person Assignments > Percentage Allocation Rule Assignments | Retrieve Percentage Allocation Rules by Person Number | GET | `/v1/commons/persons/percentage_allocation_rules` |
| Common Resources > People | Person Assignments > Percentage Allocation Rule Assignments | Assign Percentage Allocation Rule | POST | `/v1/commons/persons/percentage_allocation_rules` |
| Common Resources > People | Person Assignments > Percentage Allocation Rule Assignments | Assign Percentage Allocation Rule—Multiple Employees | POST | `/v1/commons/persons/percentage_allocation_rules/multi_create` |
| Common Resources > People | Person Assignments > Percentage Allocation Rule Assignments | Update Percentage Allocation Rule | PUT | `/v1/commons/persons/percentage_allocation_rules` |
| Common Resources > | Person Assignments | Update Percentage | POST | `/v1/commons/persons/percentage_allocation_rules/multi_update` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| People | > Percentage Allocation Rule Assignments | Allocation Rule—Multiple Employees | | |
| Common Resources > People | Person Assignments > Percentage Allocation Rule Assignments | Delete Percentage Allocation Rule | DELETE | `/v1/commons/persons/percentage_allocation_rules` |
| Common Resources > People | Person Assignments > Percentage Allocation Rule Assignments | Delete Percentage Allocation Rule—Multiple Employees | POST | `/v1/commons/persons/percentage_allocation_rules/multi_delete` |
| Common Resources > People | Person Assignments > Schedule Rule Overrides | Retrieve All Schedule Rule Overrides or by Person Number | GET | `/v1/commons/persons/schedule_rule_overrides` |
| Common Resources > People | Person Assignments > Schedule Rule Overrides | Retrieve Schedule Rule Override by ID | GET | `/v1/commons/persons/schedule_rule_overrides/{person_id}` |
| Common Resources > People | Person Assignments > Schedule Rule Overrides | Retrieve Schedule Rule Overrides | POST | `/v1/commons/persons/schedule_rule_overrides/multi_read` |
| Common Resources > People | Person Assignments > Schedule Rule Overrides | Create Schedule Rule Override | POST | `/v1/commons/persons/schedule_rule_overrides` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Common Resources > People | Person Assignments > Schedule Rule Overrides | Create Schedule Rule Overrides | POST | `/v1/commons/persons/schedule_rule_ overrides/multi_create` |
| Common Resources > People | Person Assignments > Schedule Rule Overrides | Update Schedule Rule Override | PUT | `/v1/commons/persons/schedule_rule_overrides` |
| Common Resources > People | Person Assignments > Schedule Rule Overrides | Update Schedule Rule Overrides | POST | `/v1/commons/persons/schedule_rule_ overrides/multi_upsert` |
| Common Resources > People | Person Assignments > Schedule Rule Overrides | Delete Schedule Rule Override by ID | DELETE | `/v1/commons/persons/schedule_rule_overrides/ {schedule_rule_override_id}` |
| Common Resources > People | Person Assignments > Schedule Rule Overrides | Delete Schedule Rule Overrides | POST | `/v1/commons/persons/schedule_rule_ overrides/multi_delete` |
| Forecasting | Actual Volume | Retrieve Actual Volume by Site | POST | `/v1/forecasting/actual_volume/multi_read` |
| Forecasting | Actual Volume | Import Actual Volume | POST | `/v1/forecasting/actual_volume/import` |
| Forecasting | Category Property Set Assignments | Retrieve Category Property Set Assignment | GET | `/v1/forecasting/category_property_set_ assignments` |
| Forecasting | Category Property Set Assignments | Retrieve Category Property Set Assignments | POST | `/v1/forecasting/category_property_set_ assignments/multi_read` |
| Forecasting | Category | Retrieve All | GET | `/v1/forecasting/category_property_sets` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | Property Sets | Category Property Sets or by Name | | |
| Forecasting | Category Property Sets | Retrieve Category Property Set by ID | GET | `/v1/forecasting/category_property_sets/{id}` |
| Forecasting | Category Property Sets | Retrieve Category Property Sets | POST | `/v1/forecasting/category_property_sets/multi_read` |
| Forecasting | Combined Labor Distributions | Retrieve All Combined Labor Distributions or by Specification | GET | `/v1/forecasting/combined_labor_distributions` |
| Forecasting | Combined Labor Distributions | Retrieve Combined Labor Distribution by ID | GET | `/v1/forecasting/combined_labor_distributions/{id}` |
| Forecasting | Combined Labor Distributions | Retrieve Combined Labor Distributions | POST | `/v1/forecasting/combined_labor_distributions/multi_read` |
| Forecasting | Combined Labor Distributions | Create Combined Labor Distribution | POST | `/v1/forecasting/combined_labor_distributions` |
| Forecasting | Combined Labor Distributions | Create Combined Labor Distributions | POST | `/v1/forecasting/combined_labor_distributions/multi_create` |
| Forecasting | Combined Labor Distributions | Update Combined Labor Distribution by ID | PUT | `/v1/forecasting/combined_labor_distributions/{id}` |
| Forecasting | Combined Labor Distributions | Update Combined Labor Distributions | POST | `/v1/forecasting/combined_labor_distributions/multi_update` |
| Forecasting | Combined Labor Distributions | Delete Combined Labor Distribution by ID | DELETE | `/v1/forecasting/combined_labor_distributions/{id}` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Forecasting | Combined Labor Distributions | Delete Combined Labor Distributions | POST | `/v1/forecasting/combined_labor_ distributions/multi_delete` |
| Forecasting | Combined Distribution Offset Types | Retrieve Combined Distribution Offset Types | GET | `/v1/forecasting/combined_distribution_ offset_types` |
| Forecasting | Combined Distribution Types | Retrieve Combined Distribution Types | GET | `/v1/forecasting/combined_distribution_ types` |
| Forecasting | Consolidated Labor Forecast | Retrieve Consolidated Labor Forecasts | POST | `/v1/forecasting/consolidated_labor_ forecast/apply_read` |
| Forecasting | Custom Driver Assignments | Retrieve Custom Driver Assignments | GET | `/v1/forecasting/custom_driver_assignments` |
| Forecasting | Custom Driver Assignments | Retrieve Custom Driver Assignments by Context | POST | `/v1/forecasting/custom_driver_ assignments/apply_read` |
| Forecasting | Custom Driver Assignments | Retrieve Custom Driver Assignments by Category | POST | `/v1/forecasting/custom_driver_ assignments/multi_read` |
| Forecasting | Custom Drivers | Retrieve Custom Driver Values | POST | `/v1/forecasting/custom_driver_values/multi_read` |
| Forecasting | Custom Drivers | Update Custom Driver Values | POST | `/v1/forecasting/custom_driver_values/ apply_upsert` |
| Forecasting | Custom Drivers | Update Values for Multiple Custom Drivers | POST | `/v1/forecasting/custom_driver_values/ multi_upsert` |
| Forecasting | Custom Drivers Setup | Retrieve a Custom Driver by Name and Generic Department | GET | `/v1/forecasting/custom_drivers` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Forecasting | Custom Drivers Setup | Retrieve a Custom Driver by ID | GET | `/v1/forecasting/custom_drivers/{id}` |
| Forecasting | Custom Drivers Setup | Retrieve Custom Drivers | POST | `/v1/forecasting/custom_drivers/multi_read` |
| Forecasting | Custom Drivers Setup | Create Custom Driver | POST | `/v1/forecasting/custom_drivers` |
| Forecasting | Custom Drivers Setup | Create Custom Drivers | POST | `/v1/forecasting/custom_drivers/multi_create` |
| Forecasting | Custom Drivers Setup | Update Custom Driver by ID | PUT | `/v1/forecasting/custom_drivers/{id}` |
| Forecasting | Custom Drivers Setup | Update Custom Drivers | POST | `/v1/forecasting/custom_drivers/multi_update` |
| Forecasting | Custom Drivers Setup | Delete Custom Driver by ID | DELETE | `/v1/forecasting/custom_drivers/{id}` |
| Forecasting | Custom Drivers Setup | Delete Custom Drivers | POST | `/v1/forecasting/custom_drivers/multi_delete` |
| Forecasting | Earned Hours Engine | Execute Earned Hours Engine | POST | `/v1/forecasting/earned_hours_engine/apply_create` |
| Forecasting | Engine Status | Retrieve Engine Statuses | POST | `/v1/forecasting/engine_statuses/apply_read` |
| Forecasting | Forecast Planner Profiles | Retrieve All Forecast Planner Profiles or by Name | GET | `/v1/forecasting/forecast_planner_profiles` |
| Forecasting | Forecast Planner Profiles | Retrieve a Forecast Planner Profile by ID | GET | `/v1/forecasting/forecast_planner_profiles/{id}` |
| Forecasting | Forecast | Retrieve | POST | `/v1/forecasting/forecast_planner_` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | Planner Profiles | Forecast Planner Profiles | | `profiles/multi_read` |
| Forecasting | Forecast Planner Profiles | Create a Forecast Planner Profile | POST | `/v1/forecasting/forecast_planner_profiles` |
| Forecasting | Forecast Planner Profiles | Create Forecast Planner Profiles | POST | `/v1/forecasting/forecast_planner_ profiles/multi_create` |
| Forecasting | Forecast Planner Profiles | Update a Forecast Planner Profile by ID | PUT | `/v1/forecasting/forecast_planner_profiles/{id}` |
| Forecasting | Forecast Planner Profiles | Update Forecast Planner Profiles | POST | `/v1/forecasting/forecast_planner_ profiles/multi_update` |
| Forecasting | Forecast Planner Profiles | Delete a Forecast Planner Profile by Name | DELETE | `/v1/forecasting/forecast_planner_profiles` |
| Forecasting | Forecast Planner Profiles | Delete a Forecast Planner Profile by ID | DELETE | `/v1/forecasting/forecast_planner_profiles/{id}` |
| Forecasting | Forecast Planner Profiles | Delete Forecast Planner Profiles | POST | `/v1/forecasting/forecast_planner_ profiles/multi_delete` |
| Forecasting | Forecast Planner Settings | Retrieve All Forecast Planner Settings or by Name | GET | `/v1/forecasting/forecast_planner_settings` |
| Forecasting | Forecast Planner Settings | Retrieve a Forecast Planner Setting by ID | GET | `/v1/forecasting/forecast_planner_settings/{id}` |
| Forecasting | Forecast Planner Settings | Retrieve Forecast Planner Settings | POST | `/v1/forecasting/forecast_planner_ settings/multi_read` |
| Forecasting | Forecast Planner Settings | Create a Forecast Planner Setting | POST | `/v1/forecasting/forecast_planner_settings` |
| Forecasting | Forecast | Create Forecast | POST | `/v1/forecasting/forecast_planner_` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
|  | Planner Settings | Planner Settings |  | `settings/multi_create` |
| Forecasting | Forecast Planner Settings | Update a Forecast Planner Setting by ID | PUT | `/v1/forecasting/forecast_planner_settings/{id}` |
| Forecasting | Forecast Planner Settings | Update Forecast Planner Settings | POST | `/v1/forecasting/forecast_planner_ settings/multi_update` |
| Forecasting | Forecast Planner Settings | Delete a Forecast Planner Setting by Name | DELETE | `/v1/forecasting/forecast_planner_settings` |
| Forecasting | Forecast Planner Settings | Delete a Forecast Planner Setting by ID | DELETE | `/v1/forecasting/forecast_planner_settings/{id}` |
| Forecasting | Forecast Planner Settings | Delete Forecast Planner Settings | POST | `/v1/forecasting/forecast_planner_ settings/multi_delete` |
| Forecasting | Forecast Planner Settings | Retrieve Factor Definition Types | GET | `/v1/forecasting/forecast_planner_ settings/resources/factor_types` |
| Forecasting | Forecast Planner Settings | Retrieve Steps | GET | `/v1/forecasting/forecast_planner_ settings/resources/steps` |
| Forecasting | Forecast Week | Retrieve a Forecast Week | GET | `/v1/forecasting/forecast_week` |
| Forecasting | Forecast Week | Retrieve Start Day | GET | `/v1/forecasting/forecast_week/start_day` |
| Forecasting | Forecast Week | Retrieve Start Days | POST | `/v1/forecasting/forecast_week/start_days/multi_ read` |
| Forecasting | Forecast Week | Retrieve Default Start Day | GET | `/v1/forecasting/forecast_week/default_ start_day` |
| Forecasting | Forecasting Audits | Retrieve Forecasting Audit Data | POST | `/v1/forecasting/audit_records/multi_read` |
| Forecasting | Generic Categories | Retrieve All | GET | `/v1/forecasting/generic_categories` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | | Generic Categories or by Name | | |
| Forecasting | Generic Categories | Retrieve Generic Category by ID | GET | `/v1/forecasting/generic_categories/{id}` |
| Forecasting | Generic Categories | Retrieve Generic Categories | POST | `/v1/forecasting/generic_categories/multi_read` |
| Forecasting | Hours of Operation | Retrieve All Hours of Operation or by Name | GET | `/v1/forecasting/hours_operation` |
| Forecasting | Hours of Operation | Retrieve Hours of Operation by ID | GET | `/v1/forecasting/hours_operation/{id}` |
| Forecasting | Hours of Operation | Retrieve Multiple Hours of Operation | POST | `/v1/forecasting/hours_operation/multi_read` |
| Forecasting | Hours of Operation | Create Hours of Operation | POST | `/v1/forecasting/hours_operation` |
| Forecasting | Hours of Operation | Create Multiple Hours of Operation | POST | `/v1/forecasting/hours_operation/multi_create` |
| Forecasting | Hours of Operation | Update Hours of Operation by ID | PUT | `/v1/forecasting/hours_operation/{id}` |
| Forecasting | Hours of Operation | Update Multiple Hours of Operation | POST | `/v1/forecasting/hours_operation/multi_update` |
| Forecasting | Hours of Operation | Retrieve All Hours of Operation or by Name | GET | `/v1/forecasting/hours_operation` |
| Forecasting | Hours of Operation | Delete Hours of Operation by ID | DELETE | `/v1/forecasting/hours_operation/{id}` |
| Forecasting | Hours of Operation | Delete Multiple Hours of Operation | POST | `/v1/forecasting/hours_operation/multi_delete` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Forecasting | Hours of Operation Assignments | Retrieve Hours of Operation Assignments-- One Location | GET | `/v1/forecasting/hours_operation_assignments` |
| Forecasting | Hours of Operation Assignments | Retrieve Hours of Operation Assignments-- Multiple Locations | POST | `/v1/forecasting/hours_operation_ assignments/multi_read` |
| Forecasting | Hours of Operation Assignments | Create or Update Hours of Operation Assignments | POST | `/v1/forecasting/hours_operation_ assignments/multi_upsert` |
| Forecasting | Hours of Operation Assignments | Delete Hours of Operation Assignments | POST | `/v1/forecasting/hours_operation_ assignments/multi_delete` |
| Forecasting | Hours of Operation Overrides | Retrieve All Hours of Operation Overrides or by Name | GET | `/v1/forecasting/hours_operation_override` |
| Forecasting | Hours of Operation Overrides | Retrieve Hours of Operation Override by ID | GET | `/v1/forecasting/hours_operation_override/ {id}` |
| Forecasting | Hours of Operation Overrides | Retrieve Hours of Operation Overrides | POST | `/v1/forecasting/hours_operation_override/multi_ read` |
| Forecasting | Hours of Operation Overrides | Create Hours of Operation Override | POST | `/v1/forecasting/hours_operation_override` |
| Forecasting | Hours of Operation Overrides | Create Hours of Operation Overrides | POST | `/v1/forecasting/hours_operation_override/multi_ create` |
| Forecasting | Hours of Operation Overrides | Update Hours of Operation Override by ID | PUT | `/v1/forecasting/hours_operation_override/ {id}` |
| Forecasting | Hours of Operation | Update Hours of Operation | POST | `/v1/forecasting/hours_operation_override/multi_ update` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | Overrides | Overrides | | |
| Forecasting | Hours of Operation Overrides | Delete Hours of Operation Override by ID | DELETE | `/v1/forecasting/hours_operation_override/{id}` |
| Forecasting | Hours of Operation Overrides | Delete Hours of Operation Overrides | POST | `/v1/forecasting/hours_operation_override/multi_delete` |
| Forecasting | Hours of Operation Override Assignments | Retrieve Hours of Operation Override Assignment | GET | `/v1/forecasting/hours_operation_override_assignments` |
| Forecasting | Hours of Operation Override Assignments | Retrieve Hours of Operation Override Assignments | POST | `/v1/forecasting/hours_operation_override_assignments/multi_read` |
| Forecasting | Hours of Operation Override Assignments | Create or Update Hours of Operation Override Assignments | POST | `/v1/forecasting/hours_operation_override_assignments/multi_upsert` |
| Forecasting | Hours of Operation Override Assignments | Delete Hours of Operation Override Assignments | POST | `/v1/forecasting/hours_operation_override_assignments/multi_delete` |
| Forecasting | Labor Budget | Retrieve Labor Budgets | POST | `/v1/forecasting/labor_budget/apply_read` |
| Forecasting | Labor Budget | Import Labor Budgets | POST | `/v1/forecasting/labor_budget/import` |
| Forecasting | Labor Forecast | Retrieve Labor Forecasts | POST | `/v1/forecasting/labor_forecast/apply_read` |
| Forecasting | Labor Forecast | Import Labor Forecasts | POST | `/v1/forecasting/labor_forecast/import` |
| Forecasting | Labor Forecast | Update Labor Forecast | POST | `/v1/forecasting/labor_forecast` |
| Forecasting | Labor Forecast | Update Labor Forecasts | POST | `/v1/forecasting/labor_forecast/multi_update` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Forecasting | Labor Forecast Limits | Retrieve Labor Forecast Limit by Name | GET | `/v1/forecasting/labor_forecast_limits` |
| Forecasting | Labor Forecast Limits | Retrieve Labor Forecast Limit by ID | GET | `/v1/forecasting/labor_forecast_limits/{id}` |
| Forecasting | Labor Forecast Limits | Retrieve Labor Forecast Limits | POST | `/v1/forecasting/labor_forecast_limits/ multi_read` |
| Forecasting | Labor Forecast Limits | Create Labor Forecast Limit | POST | `/v1/forecasting/labor_forecast_limits` |
| Forecasting | Labor Forecast Limits | Create Labor Forecast Limits | POST | `/v1/forecasting/labor_forecast_limits/multi_ create` |
| Forecasting | Labor Forecast Limits | Update Labor Forecast Limit by ID | PUT | `/v1/forecasting/labor_forecast_limits/{id}` |
| Forecasting | Labor Forecast Limits | Update Labor Forecast Limits | POST | `/v1/forecasting/labor_forecast_limits/multi_ update` |
| Forecasting | Labor Forecast Limits | Delete Labor Forecast Limit by ID | DELETE | `/v1/forecasting/labor_forecast_limits/{id}` |
| Forecasting | Labor Forecast Limits | Delete Labor Forecast Limits | POST | `/v1/forecasting/labor_forecast_limits/multi_ delete` |
| Forecasting | Labor Forecast Limit Assignments | Retrieve Labor Forecast Limit Assignments | POST | `/v1/forecasting/labor_forecast_limit_ assignments/multi_read` |
| Forecasting | Labor Forecast Limit Assignments | Create or Update Labor Forecast Limit Assignments | POST | `/v1/forecasting/labor_forecast_limit_ assignments/multi_upsert` |
| Forecasting | Labor Forecast | Delete Labor Forecast Limit | POST | `/v1/forecasting/labor_forecast_limit_ assignments/multi_delete` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | Limit Assignments | Assignments | | |
| Forecasting | Labor Forecast Engine | Execute Labor Forecast Engine | POST | `/v1/forecasting/labor_forecaster/apply_ create` |
| Forecasting | Labor Standards | Retrieve All Labor Standards or by Specification | GET | `/v1/forecasting/labor_standards` |
| Forecasting | Labor Standards | Retrieve Labor Standard by ID | GET | `/v1/forecasting/labor_standards/{id}` |
| Forecasting | Labor Standards | Retrieve Labor Standards | POST | `/v1/forecasting/labor_standards/multi_read` |
| Forecasting | Labor Standards, Tasks, and Task Groups | Import Labor Standards, Tasks, and Task Groups | POST | `/v1/forecasting/labor_standard_tasks/import` |
| Forecasting | Labor Standards, Tasks, and Task Groups | Purge Labor Standards | POST | `/v1/forecasting/labor_standard_tasks/purge` |
| Forecasting | Linked Categories | Retrieve All Linked Categories or by Specification | GET | `/v1/forecasting/linked_category` |
| Forecasting | Linked Categories | Retrieve Linked Categories | POST | `/v1/forecasting/linked_category/multi_read` |
| Forecasting | Linked Categories | Create Linked Categories | POST | `/v1/forecasting/linked_category/multi_create` |
| Forecasting | Linked Categories | Update Linked Categories | POST | `/v1/forecasting/linked_category/multi_update` |
| Forecasting | Linked Categories | Delete Linked Categories | POST | `/v1/forecasting/linked_category/multi_delete` |
| Forecasting | Linked Category Action Types | Retrieve Linked Category Action Types | GET | `/v1/forecasting/linked_category_action_types` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Forecasting | Machine Learning Models | Retrieve All Machine Learning Model or by Name | GET | `/v1/forecasting/machine_learning_models` |
| Forecasting | Machine Learning Models | Create Machine Learning Model | POST | `/v1/forecasting/machine_learning_models` |
| Forecasting | Machine Learning Models | Delete Machine Learning Model by Name | DELETE | `/v1/forecasting/machine_learning_models` |
| Forecasting | Period of Application Types | Retrieve Period of Application Types | GET | `/v1/forecasting/labor_poa_types` |
| Forecasting | Special Events | Retrieve All Special Events | GET | `/v1/forecasting/special_events` |
| Forecasting | Special Events | Retrieve a Special Event by ID | GET | `/v1/forecasting/special_events/{id}` |
| Forecasting | Special Events | Retrieve Special Events | POST | `/v1/forecasting/special_events/multi_read` |
| Forecasting | Special Events | Create a Special Event | POST | `/v1/forecasting/special_events` |
| Forecasting | Special Events | Create Special Events | POST | `/v1/forecasting/special_events/multi_create` |
| Forecasting | Special Events | Update Special Event by ID | PUT | `/v1/forecasting/special_events/{id}` |
| Forecasting | Special Events | Update Special Events | POST | `/v1/forecasting/special_events/multi_update` |
| Forecasting | Special Events | Delete Special Event by ID | DELETE | `/v1/forecasting/special_events/{id}` |
| Forecasting | Special Events | Delete Special Events | POST | `/v1/forecasting/special_events/multi_delete` |
| Forecasting | Special Event Assignments | Retrieve Special Event Assignments by Category | GET | `/v1/forecasting/special_event_assignments` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Forecasting | Special Event Assignments | Retrieve Special Event Assignments | POST | `/v1/forecasting/special_event_ assignments/multi_read` |
| Forecasting | Labor Standards | Retrieve Labor Standards | POST | `/v1/forecasting/labor_standards/multi_read` |
| Forecasting | Labor Standards, Tasks, and Task Groups | Import Labor Standards, Tasks, and Task Groups | POST | `/v1/forecasting/labor_standard_tasks/import` |
| Forecasting | Labor Standards, Tasks, and Task Groups | Purge Labor Standards | POST | `/v1/forecasting/labor_standard_tasks/purge` |
| Forecasting | Linked Categories | Retrieve All Linked Categories or by Specification | GET | `/v1/forecasting/linked_category` |
| Forecasting | Linked Categories | Retrieve Linked Categories | POST | `/v1/forecasting/linked_category/multi_read` |
| Forecasting | Linked Categories | Create Linked Categories | POST | `/v1/forecasting/linked_category/multi_create` |
| Forecasting | Linked Categories | Update Linked Categories | POST | `/v1/forecasting/linked_category/multi_update` |
| Forecasting | Linked Categories | Delete Linked Categories | POST | `/v1/forecasting/linked_category/multi_delete` |
| Forecasting | Linked Category Action Types | Retrieve Linked Category Action Types | GET | `/v1/forecasting/linked_category_action_types` |
| Forecasting | Machine Learning Models | Retrieve All Machine Learning Model or by Name | GET | `/v1/forecasting/machine_learning_models` |
| Forecasting | Machine Learning Models | Create Machine Learning Model | POST | `/v1/forecasting/machine_learning_models` |
| Forecasting | Machine Learning | Delete Machine Learning Model | DELETE | `/v1/forecasting/machine_learning_models` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | Models | by Name | | |
| Forecasting | Period of Application Types | Retrieve Period of Application Types | GET | `/v1/forecasting/labor_poa_types` |
| Forecasting | Special Events | Retrieve All Special Events | GET | `/v1/forecasting/special_events` |
| Forecasting | Special Events | Retrieve a Special Event by ID | GET | `/v1/forecasting/special_events/{id}` |
| Forecasting | Special Events | Retrieve Special Events | POST | `/v1/forecasting/special_events/multi_read` |
| Forecasting | Special Events | Create a Special Event | POST | `/v1/forecasting/special_events` |
| Forecasting | Special Events | Create Special Events | POST | `/v1/forecasting/special_events/multi_create` |
| Forecasting | Special Events | Update Special Event by ID | PUT | `/v1/forecasting/special_events/{id}` |
| Forecasting | Special Events | Update Special Events | POST | `/v1/forecasting/special_events/multi_update` |
| Forecasting | Special Events | Delete Special Event by ID | DELETE | `/v1/forecasting/special_events/{id}` |
| Forecasting | Special Events | Delete Special Events | POST | `/v1/forecasting/special_events/multi_delete` |
| Forecasting | Special Event Assignments | Retrieve Special Event Assignments by Category | GET | `/v1/forecasting/special_event_assignments` |
| Forecasting | Special Event Assignments | Retrieve Special Event Assignments | POST | `/v1/forecasting/special_event_ assignments/multi_read` |
| Forecasting | Special Event Assignments | Create Special Event Assignments | POST | `/v1/forecasting/special_event_ assignments/multi_create` |
| Forecasting | Special Event Assignments | Delete Special Event Assignments | POST | `/v1/forecasting/special_event_ assignments/multi_delete` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Forecasting | Static Drivers | Retrieve All Static Drivers or by Name | GET | `/v1/forecasting/static_drivers` |
| Forecasting | Static Drivers | Retrieve Static Driver by ID | GET | `/v1/forecasting/static_drivers/{id}` |
| Forecasting | Volume Budget | Retrieve Volume Budgets | POST | `/v1/forecasting/volume_budget/multi_read` |
| Forecasting | Volume Budget | Import Volume Budgets | POST | `/v1/forecasting/volume_budget/import` |
| Forecasting | Volume Driver Assignments | Retrieve a Volume Driver Assignment | GET | `/v1/forecasting/volume_driver_assignments` |
| Forecasting | Volume Driver Assignments | Retrieve Volume Driver Assignments | POST | `/v1/forecasting/volume_driver_ assignments/multi_read` |
| Forecasting | Volume Driver Assignments | Create or Update Volume Driver Assignments | POST | `/v1/forecasting/volume_driver_ assignments/`**multi_upsert** |
| Forecasting | Volume Drivers | Retrieve All Volume Drivers or by Name | GET | `/v1/forecasting/volume_drivers` |
| Forecasting | Volume Drivers | Retrieve Volume Driver by ID | GET | `/v1/forecasting/volume_drivers/{id}` |
| Forecasting | Volume Drivers | Retrieve Volume Drivers | POST | `/v1/forecasting/volume_drivers/multi_read` |
| Forecasting | Volume Drivers | Create Volume Driver | POST | `/v1/forecasting/volume_drivers` |
| Forecasting | Volume Drivers | Create Volume Drivers | POST | `/v1/forecasting/volume_drivers/multi_create` |
| Forecasting | Volume Drivers | Update Volume Driver by ID | PUT | `/v1/forecasting/volume_drivers/{id}` |
| Forecasting | Volume Drivers | Update Volume Drivers | POST | `/v1/forecasting/volume_drivers/multi_update` |
| Forecasting | Volume Drivers | Delete Volume Driver by ID | DELETE | `/v1/forecasting/volume_drivers/{id}` |
| Forecasting | Volume | Delete Volume | POST | `/v1/forecasting/volume_drivers/multi_delete` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | Drivers | Drivers | | |
| Forecasting | Volume Forecast | Retrieve Volume Forecasts | POST | `/v1/forecasting/volume_forecast/multi_read` |
| Forecasting | Volume Forecast | Import Volume Forecast | POST | `/v1/forecasting/volume_forecast/import` |
| Forecasting | Volume Forecast | Restore Volume Forecast | POST | `/v1/forecasting/volume_forecast/restore` |
| Forecasting | Volume Forecast | Update Volume Forecast | PUT | `/v1/forecasting/volume_forecast` |
| Forecasting | Volume Forecast Engine | Retrieve Volume Forecast Engine Status | POST | `/v1/forecasting/volume_forecaster/apply_read` |
| Forecasting | Volume Forecast Engine | Execute Volume Forecast Engine | POST | `/v1/forecasting/volume_forecaster/apply_create` |
| Forecasting | Week Symbolic Periods | Retrieve Week Symbolic Period Types | GET | `/v1/forecasting/week_symbolic_periods` |
| Employee Self-Service | Employee Open Shift Requests | Retrieve Jobs for Open Shift Requests | GET | `/v1/scheduling/employee_open_shift_ requests/jobs` |
| Employee Self-Service | Employee Open Shift Requests | Retrieve Employee Open Shift Request by ID | GET | `/v1/scheduling/employee_open_shift_requests/ {openShiftRequestId}` |
| Employee Self-Service | Employee Open Shift Requests | Retrieve Other Employees Reporting to Manager | GET | `/v1/scheduling/employee_open_shift_ requests/employees` |
| Employee Self-Service | Employee Open Shift Requests | Retrieve Request Submission Periods | GET | `/v1/scheduling/employee_open_shift_ requests/submission_periods` |
| Employee Self-Service | Employee Open Shift Requests | Retrieve Open Request Subtypes | GET | `/v1/scheduling/employee_open_shift_ requests/request_subtypes` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Employee Self-Service | Employee Open Shift Requests | Retrieve Open Shift Request Information | POST | `/v1/scheduling/employee_open_shift_ requests/apply_read` |
| Employee Self-Service | Employee Open Shift Requests | Retrieve Employee Open Shift Requests | POST | `/v1/scheduling/employee_open_shift_ requests/multi_read` |
| Employee Self-Service | Employee Open Shift Requests | Retrieve Requestable Open Shifts | POST | `/v1/scheduling/employee_open_shift_ requests/open_shifts/multi_read` |
| Employee Self-Service | Employee Open Shift Requests | Create Employee Open Shift Request | POST | `/v1/scheduling/employee_open_shift_requests` |
| Employee Self-Service | Employee Open Shift Requests | Update Employee Open Shift Request | POST | `/v1/scheduling/employee_open_shift_ requests/apply_update` |
| Employee Self-Service | Employee Self-Schedule Requests | Retrieve Self-Schedule Request by Job ID | GET | `/v1/scheduling/employee_self_schedule_ requests/jobs` |
| Employee Self-Service | Employee Self-Schedule Requests | Retrieve Self-Schedule Request by ID | GET | `/v1/scheduling/employee_self_schedule_requests/ {essRequestId}` |
| Employee Self-Service | Employee Self-Schedule Requests | Retrieve Other Employees Reporting to Manager for Self-Scheduling | GET | `/v1/scheduling/employee_self_schedule_ requests/employees` |
| Employee Self-Service | Employee Self-Schedule Requests | Retrieve Open Self-Scheduling Request Subtypes | GET | `/v1/scheduling/employee_self_schedule_ requests/request_subtypes` |
| Employee Self-Service | Employee Self-Schedule Requests | Retrieve Self-Scheduling Request Submission Periods | GET | `/v1/scheduling/employee_self_schedule_ requests/submission_periods` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Employee Self-Service | Employee Self-Schedule Requests | Retrieve Self-Schedule Requests | POST | `/v1/scheduling/employee_self_schedule_requests/multi_read` |
| Employee Self-Service | Employee Self-Schedule Requests | Retrieve Requestable Open Shifts for Self-Scheduling | POST | `/v1/scheduling/employee_self_schedule_requests/open_shifts/multi_read` |
| Employee Self-Service | Employee Self-Schedule Requests | Create Self-Schedule Request | POST | `/v1/scheduling/employee_self_schedule_requests` |
| Employee Self-Service | Employee Self-Schedule Requests | Update Self-Schedule Request by ID | PUT | `/v1/scheduling/employee_self_schedule_requests` |
| Employee Self-Service | Employee Self-Schedule Requests | Update Self-Schedule Request State | POST | `/v1/scheduling/employee_self_schedule_requests/apply_update` |
| Employee Self-Service | Manager Open Shift Requests | Retrieve Open Shift Request by ID | GET | `/v1/scheduling/open_shift_requests/{openShiftRequestId}` |
| Employee Self-Service | Manager Open Shift Requests | Retrieve Similar Open Shift Requests by ID | GET | `/v1/scheduling/open_shift_requests/similar_requests` |
| Employee Self-Service | Manager Open Shift Requests | Retrieve Open Shift Requests as Manager | POST | `/v1/scheduling/open_shift_requests/multi_read` |
| Employee Self-Service | Manager Open Shift Requests | Update Open Shift Request | POST | `/v1/scheduling/open_shift_requests/apply_update` |
| Employee Self-Service | Manager Self-Schedule Requests | Retrieve Self-Schedule Requests as Manager | POST | `/v1/scheduling/self_schedule_requests/multi_read` |
| Scheduling Setup | Schedule Rules | Retrieve All Schedule Rules | GET | `/v1/scheduling/schedule_rules` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | | or by Name | | |
| Scheduling Setup | Schedule Rules | Retrieve Schedule Rule by ID | GET | `/v1/scheduling/schedule_rules/{id}` |
| Scheduling Setup | Schedule Rules | Retrieve Schedule Rules | POST | `/v1/scheduling/schedule_rules/multi_read` |
| Scheduling Setup | Calendar Profiles | Retrieve All Calendar Profiles or by Name | GET | `/v1/scheduling/setup/ess_calendar_profiles` |
| Scheduling Setup | Calendar Profiles | Retrieve Calendar Profile by ID | GET | `/v1/scheduling/setup/ess_calendar_profiles/{id}` |
| Scheduling Setup | Calendar Profiles | Retrieve Calendar Profiles | POST | `/v1/scheduling/setup/ess_calendar_ profiles/multi_read` |
| Scheduling Setup | Tag Definitions | Update Tag Definition by ID | PUT | `/v1/scheduling/setup/tag_definitions/{id}` |
| Scheduling Setup | Workload Planner Profiles | Retrieve All Workload Planner Profiles | GET | `/v1/scheduling/setup/workload_planner_profiles` |
| Scheduling Setup | Workload Planner Profiles | Retrieve Workload Planner Profile by ID | GET | `/v1/scheduling/setup/workload_planner_profiles/ {id}` |
| Scheduling Setup | Workload Planner Profiles | Retrieve Workload Planner Profiles | POST | `/v1/scheduling/setup/workload_planner_ profiles/multi_read` |
| Scheduling Setup | Staffing Matrices | Create Staffing Matrix | POST | `/v1/scheduling/staffing_matrices` |
| Scheduling Setup | Staffing Matrices | Create Staffing Matrices | POST | `/v1/scheduling/staffing_matrices/multi_create` |
| Scheduling Setup | Staffing Matrices | Update Staffing Matrix by ID | PUT | `/v1/scheduling/staffing_matrices/{id}` |
| Scheduling Setup | Staffing Matrices | Update Staffing Matrices | POST | `/v1/scheduling/staffing_matrices/multi_update` |
| Scheduling Setup | Staffing Matrices | Delete Staffing Matrix by ID | DELETE | `/v1/scheduling/staffing_matrices/{id}` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Scheduling Setup | Staffing Matrices | Delete Staffing Matrices | POST | `/v1/scheduling/staffing_matrices/multi_delete` |
| Scheduling Setup | Workload Patterns | Bulk Retrieve Workload Patterns | POST | `/v1/scheduling/workload_patterns/multi_read` |
| Scheduling Setup | Workload Patterns | Bulk Create or Update Workload Patterns | POST | `/v1/scheduling/workload_patterns/multi_upsert` |
| Scheduling Setup | Workload Patterns | Bulk Delete Workload Patterns | POST | `/v1/scheduling/workload_patterns/multi_delete` |
| Scheduling | Schedule Planner Profiles | Retrieve All Schedule Planner Profiles or by Name | GET | `/v1/scheduling/setup/schedule_planner_profiles` |
| Scheduling | Schedule Planner Profiles | Retrieve Schedule Planner Profile by ID | GET | `/v1/scheduling/setup/schedule_planner_profiles/{id}` |
| Scheduling | Schedule Planner Profiles | Retrieve Schedule Planner Profiles | POST | `/v1/scheduling/setup/schedule_planner_profiles/multi_read` |
| Timekeeping | Attestation Unapproved Timecard Data | Retrieve Unapproved Timecard Data | GET | `/v1/timekeeping/attestation_unapproved_timecard_data` |
| Timekeeping | Timekeeping Bulk Operations | Bulk Import of Punches and Paycode Edits | POST | `/v1/timekeeping/data/import` |
| Timekeeping | Enable Edits Bulk Update | Enable Edits Bulk Update | POST | `/v1/timekeeping/enable_edits/import` |
| Timekeeping | Bulk Paycode Edits | Import Paycode Edits | POST | `/v1/timekeeping/pay_code_edits/import` |
| Timekeeping | Bulk Paycode | Bulk Delete Paycode Edits | POST | `/v1/timekeeping/pay_code_edits/multi_delete` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | Edits | | | |
| Timekeeping | Timecard Settings | Retrieve Timecard Settings | POST | `/v1/timekeeping/setup/timecard_settings/multi_read` |
| Timekeeping | Timekeeping Alert Profiles | Retrieve All Timekeeping Alert Profiles | GET | `/v1/timekeeping/setup/timekeeping_alert_profiles` |
| Timekeeping | Timekeeping Alert Profiles | Retrieve Timekeeping alert profile by ID | GET | `/v1/timekeeping/setup/timekeeping_alert_profiles/{id}` |
| Timekeeping | Timekeeping Alert Profiles | Retrieve Timekeeping Alert Profiles | POST | `/v1/timekeeping/setup/timekeeping_alert_profiles/multi_read` |
| Timekeeping | Bulk Timecard Signoffs | Bulk Timecard Signoffs | POST | `/v1/timekeeping/signoffs/import` |
| Timekeeping | Timecard Changes | Retrieve Timecard Changes | GET | `/v1/timekeeping/timecard/changes` |
| Timekeeping | Timecard Changes | Retrieve Timecard Change by ID | GET | `/v1/timekeeping/timecard/changes/{id}` |
| Timekeeping | Timecard Changes | Update Timecard Change Status | PUT | `/v1/timekeeping/timecard/changes/{id}` |
| Timekeeping | Timecard Changes | Update Timecard Change Statuses | POST | `/v1/timekeeping/timecard/changes/multi_update` |
| Timekeeping | Timecard Changes for Reports | Retrieve Timecard Changes for Reports | POST | `/v1/timekeeping/timecard/changes/reports/multi_read` |

# 4/13/19 (R4.3.0)

The feature(s) below were added for R4.3.0.

| Issue Numbers | Feature | Description |
|---|---|---|
| **Business Structure** | | |
| None | Job Sort ID no longer required | Users can now configure whether Job sort ID is a required field for the import or creation of jobs in the Job workspace.<br><br>A new system setting in **Administration > Application Setup > System Configuration > System Settings > Business Structures** controls this setting. It will be enabled by default. If false, the Sort Order field will no longer be mandatory when creating jobs.<br><br>`Site.BusinessStructure.JobSortOrderMandatory` |
| None | Alphanumeric job sort order | Users can now configure whether the Sort Order field for jobs can include alphanumeric values in the Job workspace.<br><br>A new system setting (in the location noted above) controls this setting. It will be enabled by default. If false, the Sort Order field can include alphanumeric values.<br><br>`Site.BusinessStructure.JobSortOrderNumeric` |
| None | Unique Job sort order | Users can now configure whether the job Sort Order field value must be unique when creating jobs.<br><br>A new system setting (in the location noted above) controls this setting. It will be enabled by default. If false, the Sort Order field values need to be unique, and duplicate sort orders can be defined. If two jobs have the same sort order defined, they will be sorted alphanumerically by name.<br><br>`Site.BusinessStructure.JobSortOrderUnique` |
| None | External IDs | Business Structure APIs for Location, Location Type, and Job have been updated to capture External IDs, which tie the Business Structure nodes from the |

| Issue Numbers | Feature | Description |
|---|---|---|
| | | source system to Workforce Dimensions.<br><br>The model classes added include:<br>• Com.kronos.commonapp.orgmap.setup.model.Org MapNode<br>• Com.kronos.comonapp.orgmap.setup.model. GenericJob<br>• Com.kronos.commonapp.orgmap.setup.model.Org NodeType |
| **Scheduler/Timekeeper** | | |
| None | Primary/default Labor Category values retained | Users can now configure whether the primary/default Labor Category value(s) will be retained when a different Labor Category is transferred (for example, in Schedule Planner and Timekeeper), even if the Labor Category is not specifically selected for the transfer.<br><br>A new system setting (in the location noted above) controls this setting. It will be enabled by default. If false, the primary/default Labor Category value(s) will be retained.<br><br>`Site.BusinessStructure.JobSortOrderMandatory` |

# 4/13/19 (R4.2.0)

The feature(s) below were added for R4.2.0.

| Issue Numbers | Feature | Description |
|---|---|---|
| **Common Business** | | |
| FLC-46143/ WFD-982 | API to assign Percent Allocation rules to employees | An API has been added for assigning Percent Allocation rules to employees. |

# 4/13/19 (R4.1.0)

The feature(s) below were added for R4.1.0.

| Issue Numbers | Feature | Description |
|---|---|---|
| **Scheduler** | | |
| FLC-54378/ WFD-2372 | Workload headcounts API | An API has been added for retrieving Workload headcounts for the Workload Planner. |
| FLC-52407/ WFD-1963 | Location and Job descriptions in the Timecard | Location and Job descriptions will now display in the Transfer slider in the timecard. They did not display previously. |
| FLC-51869/ WFD-1876 | Schedule Rule for maximum daily hours per week | A Schedule Rule has been added that can limit the employees being scheduled to work a maximum of a certain number of daily hours (for example, 11 hours on one day each week, and a maximum of 9 hours on any other day of the week). |
| FLC-51868/ WFD-1875 | Schedule Rule for minimum consecutive days off | A Schedule Rule has been added based on the minimum consecutive days off that an employee should be scheduled for, for an employee to have either:<br>• a minimum of 2 consecutive days off per week if working 5 shifts per week, or<br>• a minimum of 3 consecutive days off per fortnight. |
| FLC-51775/ WFD-1879 | Schedule Rule for maximum days per schedule period | A Schedule Rule has been added based on the maximum number of days that an employee may be scheduled for per defined period (for example, a maximum of 19 days per 4-week period. |
| FLC-50872/ WFD-1766 | Staffing Matrix API | A Staffing Matrix API has been added for Advanced Scheduler. |

# Documentation Modifications

## 9/19/19 (R4.11.0)

The documentation modification(s) below were made for R4.11.0.

| Issue Numbers | Description |
|---|---|
| **Scheduler** | |
| FLC-71958/ WFD-5369 | The documentation stated, "You can also select a location and the report will show the schedules of all employees whose primary job is contained in the location". However, the Employee Schedule – Weekly report only returns employees with schedules. The online help has been updated accordingly. |
| **Timekeeper** | |
| FLC-71544/ WFD-5311 | When viewing the timecard, resizing the browser window is not supported. If you resize your browser window to a width that is less than 768 pixels, then you will need to refresh the browser and the timecard will then display in list view. The online help has been updated with this information. |
| FLC-70790/ WFD-5144 | When following the online help for configure punches for geofencing, step 4 was incorrect. It reflected Workforce Central functionality. This step has been updated. |

## 8/22/19 (R4.10.0)

The documentation modification(s) below were made for R4.10.0.

| Issue Numbers | Description |
|---|---|
| **Common Components** | |
| FLC-68218/ WFD-4718 | In the online help, "Edit a Request" appeared twice under "Control Center: Respond to time off requests in control center". This duplication has been removed. |
| FLC-60973/ WFD-3570 | Information has been added to the online help about the keywords prohibited as Security validation, such as "form" as a keyword, which is not allowed. |
| **Platform** | |
| FLC-68299/ WFD-4726 | The online help has been updated to note the Delete button as an option for "Employee Requests" (previously it was not listed). |
| **Scheduler** | |
| FLC-68049/ | The online help pages, "Configure Self-Schedule Settings", "Configure Open Shift |

| Issue Numbers | Description |
|---|---|
| WFD-4681 | Settings", and "Employee Self Service Setup", that contains documentation for Self Scheduling and Open Shift requests have been updated with Location Filtering information. |

## 7/26/19 (R4.9.0)

The documentation modification(s) below were made for R4.9.0.

| Issue Numbers | Description |
|---|---|
| **Attendance** | |
| FLC-67544/ WFD-4553 | Information has been added to the Create Documentation Templates section about Leave tags and Attendance tags. |
| **Leave** | |
| FLC-65716/ WFD-4218 | The Add Leave Time section in the Leave of Absence topic contained incorrect information. |
| **Platform** | |
| FLC-65546/ WFD-4195 | The online help for Workflow Notification Custom Tags has been updated. The options listed were inconsistent with those listed in the application. |
| **Scheduler** | |
| FLC-67452/ WFD-4561 | In the Developer Portal, Category was incorrectly listed as required for the POST /v1/commons/location_types API. |
| FLC-66625/ WFD-4416 | The People Record Scheduler documentation contained incorrect naming for Employee Preferences, and a description has been added for Schedule Rule set optimization. |
| FLC-65090/ WFD-4123 | Some default events were not listed in the online help. |
| FLC-64871/ WFD-4055 | When an Organizational Set is configured with "Use In: Manager Organizational Groups," it will not appear as an option when attempting to assign a Manager Job Transfer Set. Instead, users can configure the Organizational Set for All Organizational Groups or Transfer Organizational Groups. The Business Structure Setup > Org Sets topic in the online help has been updated to include this. |
| **Timekeeper** | |
| FLC-66436/ WFD-4379 | The Timecard API documentation was incorrect for performing transfers. This has been updated. |

| Issue Numbers | Description |
|---|---|
| FLC-66085/ WFD-4306 | In the Known Places topic, "To use Geofensing, you need to:" has been changed to, "To use Geofencing, you need to:". |
| FLC-64871/ WFD-4055 | The online help incorrectly stated that an Organization Set configured with Use in: Manager Organizational Groups could be selected when assigning a Manager Job Transfer Set in People Information. |

## 6/21/19 (R4.8.0)

The documentation modification(s) below were made for R4.8.0.

| Issue Numbers | Description |
|---|---|
| **Scheduler** | |
| FLC-65539/ WFD-4188 | The following note has been added to the Custom Tags topic in the online help:<br><br>**Note**: *Requested Periods*, as shown in the Control Center, shows the requested time off dates as currently defined when they are edited by the manager, not the original dates selected.<br>*Request Duration Days*, as shown in the Control Center, can only show a non-zero value if the paycode used in the time off request has the unit Days, not Hours. Consider using a related tag that works with both Days and Hours unit paycodes, for example, Request Duration Hours. |
| **Timekeeper** | |
| FLC-65304/ WFD-4154 | In the online help, a search for Geofencing previously led to two separate links instead of one. |
| FLC-65421/ WFD-4181 | The online help did not explain the behavior of nested combined Paycodes in Dataviews. The Combined Paycodes topic has been updated. |

## 5/31/19 (R4.7.0)

The documentation modification(s) below were made for R4.7.0.

| Issue Numbers | Description |
|---|---|
| **Forecasting** | |
| FLC-65085/ WFD-4113 | The online help for **Administration > Application Setup > Access Profiles > Manager - Common Setup** did not include any Function Access Control Point definitions under "Forecast Configuration". |

| Issue Numbers | Description |
|---|---|
| **Scheduler** | |
| FLC-64490/ WFD-3974 | The Retrieve Employee Schedule Patterns API (POST `/v1/scheduling/employee_ schedule_patterns/multi_read`) showed incorrect options in the online help for the Select statement and dates. |

## 5/17/19 (R4.6.0)

The documentation modification(s) below were made for R4.6.0.

| Issue Numbers | Description |
|---|---|
| **Configuration App** | |
| FLC-62582/ WFD-3622 | In "Configure time-off request sub-types" in the online help, there were descriptions for the first four notifications (Employee Submission Notification, Employee Pending Notification, Employee Notification, and Manager Notification), but not for the Colleagues Notification. |
| **Scheduler** | |
| FLC-62957/ WFD-3689 | The online help for configuring Request Time Off previously indicated a request could still be acted upon if notifications were not assigned to the Request Subtype. This was not true in the context of the user interface- without a notification assignment, there is no place to change the status of a TOR for a manager. This has been updated. |
| FLC-61292/ WFD-3393 | Users were unable to find instructions in the online help about how to populate the Reason drop-down list on the My Time Off tile. |

## 5/3/19 (R4.5.0)

The documentation modification(s) below were made for R4.5.0.

| Issue Numbers | Description |
|---|---|
| **Common Components** | |
| FLC-62291/ WFD-3571 | In the online help, the "Configure Approval step setting" section was showing incorrect steps. The "Select Scheduler Setup > Approval > Approval Step Setting" setting has been changed to "Select **Employee Self Service** > Approval > Approval Step Setting". |
| **Timekeeper** | |

| Issue Numbers | Description |
|---|---|
| FLC-64297/ WFD-3895 | When opening the Target Hours add-on in the timecard for employees with an Employment Term assigned, the message "No data to display" may appear. A note has been added for Target Hours in the online help to explain the changed behavior (Target Hours no longer being visible in the timecard) and how to correct it. |
| FLC-63974/ WFD-3864 | The online help for Exception Rules referenced duration pay code configuration items which were being removed via WFD-3854. |

# 4/13/19 (R4.4.0)

The documentation modification(s) below were made for R4.4.0.

| Issue Numbers | Description |
|---|---|
| **Common Components** | |
| FLC-62423/ WFD-3588 | With utilizing the scheduling on-call feature in Workforce Dimensions, there was no mention in the online help that this must be completed using Scheduling Tags (Tag Definitions). |
| **Configuration App** | |
| FLC-60604/ WFD-3300 | The text for many pop-up definition windows for Function Access Profile control points contained references to archaic products such as "Workforce Central", "HR/Payroll", and "Process Manager". |
| **Scheduler** | |
| FLC-61806/ WFD-3486 | When running the `api/v1/scheduling/schedule_pattern_ templates?name=PatternName` API, the schedule pattern is successfully removed from the tenant, but a "204 No Content" Status is displays rather than the expected response as previously noted in the documentation. The documentation has been updated accordingly. |
| FLC-61478/ WFD-3412 | There were a number of typos and minor issues with the Employment Terms topic in the online help. |
| FLC-60422/ WFD-3266 | The online help erroneously defined guided recommendations and stated that only guided recommendations are required to see time off recommendations. The help has been corrected as follows:

"Guided Recommendations require that the requesting employee is a member of a team defined by a manager and that the approving manager has a Function Access Profile set to allow for team definitions." |
| FLC-60372/ | The online help stated that when the "Notify My Colleagues" option for a Time Off |

| Issue Numbers | Description |
|---|---|
| WFD-3254 | Request (TOR) is selected, a pop up box would appear with the Team Definition members to select which will receive the notification. This did not reflect Workforce Dimensions functionality, and this step has been removed. |
| **Timekeeper** | |
| FLC-62785/ WFD-3645 | The online help section on Weight Average Calculation was incomplete, providing no information on some of the available configuration points. |
| FLC-62065/ WFD-3418 | The following sentence has been added to the online help about refreshing Hyperfinds in the Employee Timecards summary page:<br><br>"Note that if you click the browser's Reload button, the page returns to the default timeframe and Hyperfind." |
| FLC-61874/ WFD-3489 | The "Early start margin/Late start margin example" section has been added to the online help. |
| FLC-58976/ WFD-3071 | In the online help, step 3 for creating a Timekeeping Alert Profile was incorrect. Items from the Timekeeping Alert Type drop-down list were missing. |

# 4/13/19 (R4.3.0)

No documentation modifications were made for R4.3.0.

# 4/13/19 (R4.2.0)

The documentation modification(s) below were made for R4.2.0.

| Issue Numbers | Description |
|---|---|
| **Timekeeper** | |
| FLC-58135/ WFD-2948 | For the `/v1/timekeeping/punches/import` API, some responses were missing from the documentation. |

# 4/13/19 (R4.1.0)

The documentation modification(s) below were made for R4.1.0.

| Issue Numbers | Description |
|---|---|
| **Common Components** | |

| Issue Numbers | Description |
|---|---|
| FLC-57956/ WFD-2924 | The online help listed incorrect information about Consultant reports. <br> • "When configuring an alert, the Message area enables you to customize the Subject, Long Message, and Short Message text boxes." <br>    • Alerts are in Workforce Central, not Workforce Dimensions. <br> • "Long Message — The information that you enter is used when the notification is delivered by email or to the Inbox, tablet, mobile device, or navigator. Use up to 255 characters for the subject and up to 4,000 characters for the message." <br>    • There is no Inbox or navigator in Workforce Dimensions. <br> • "Short Message — The information that you enter is used when the notification is delivered as a text message to a mobile device or social network using the Short Message Service (SMS). Although text limitations may vary by SMS provider, you can generally use up to 160 characters for the subject and message. If the message is too long, users may receive more than one SMS notification or the message may be truncated depending on their SMS provider." <br>    • Text is not an option in the Notification Profile. <br> • "Note: By default, Workforce Central uses Twilio, a third-party cloud communications service, to provide SMS messaging services. To configure a different provider, see Configure SMS alerts." <br>    • This note does not apply to Workforce Dimensions. <br> • "You can configure either the Long Message or Short Message for delivery to a social network." <br>    • This does not apply to Workforce Dimensions. |
| **Integration Hub** | |
| FLC-55651/ WFD-2489 | The Development Portal documentation for Integration Executions API v1/platform/integration_execution previously stated: <br><br> "You can filter the runs by integration ID, start date, or date range. If no date range is provided, the operation returns the executions from the past four days." <br><br> It has been updated to state that users can pass a date range OR integration ID, and that the Integration ID can be provided alone only when retrieving integrations from the past four days. For any integration outside that range, users must provide a From date, a To date, and an Integration ID. |
| **Platform** | |
| FLC-53664/ WFD-2201 | When logging into a tenant with a Services or Support Account, the account will use the default locale policy assigned to the tenant. The only way to change the locale of the Support Account is to change the default locale policy of the tenant. |

| Issue Numbers | Description |
|---|---|
| | The Support Account area of the documentation previously did not clearly state the relationship between the Support Account and the Default Tenant Locale Policy. |
| **Scheduler** | |
| FLC-58301/ WFD-2971 | In General Notifications, Request Period Configuration pointed to a menu item that is not listed in Workforce Dimensions (Alert Event Configuration):<br><br>"Configure the alerts in **Application Setup > Common Setup > Alert Event Configuration.**" |
| FLC-56226/ WFD-2588 | The online help for Approval Settings did not include some fields that appear in the Approval Settings page. In **online help > Approval Settings > Step 11** did not include all of the Notification options:<br>Step 11a was missing:<br>• Employee Notification upon Submission<br>• Employee Notification upon Pending<br>• Employee Notification upon Final Approval<br>• Employee Notification upon Refusal<br><br>Step 11b was missing:<br>• Listeners Notification upon Cancel Submission<br>• Listeners Notification upon Cancellation<br><br>Step 11c was missing:<br>• Approvers Notification upon Auto Approval<br>• Approvers Notification upon Refusal |
| FLC-54661/ WFD-2334 | The online help was missing information regarding the included Scheduling reports. All other report categories were included. |
| **Timekeeper** | |
| FLC-578300/ WFD-2970 | A link in Overtime Rules pointed to the Workforce Central help instead of the Workforce Dimensions help. |
| FLC-57557/ WFD-2861 | The Accruals add-on online help stated:<br><br>"As you click on days in the selected time period, the accruals reflect balances based on the day on which you click."<br><br>This was based on Workforce Centralfunctionality, and was incorrect for Workforce Dimensions. |

# Resolved Issues

Within each section, issues are listed in descending, numeric order.

## 10/18/19 (R4.11.0 Express Upgrade 6)

The issue(s) below were resolved for the R4.11.0 EU 6.

### Scheduler

FLC-74548/ | When transferring locations via Setup Data Manager (SDM), it failed with the error:
WFD-5909 | "The location type (ID) does not exist."

## 10/16/19 (R4.11.0 Express Upgrade 5)

The issue(s) below were resolved for the R4.11.0 EU 5.

### Timekeeper

FLC-74152/ | Punches from the Saturday/Sunday of the previous pay period were carrying over into the current
WFD-5827 | pay period and being duplicated about eight times.

FLC-72775/ | Attempting to save an Automated Break Placement caused a javax.servlet.jsp.JspException.
WFD-5550

## 10/9/19 (R4.11.0 Express Upgrade 4)

The issue(s) below were resolved for the R4.11.0 EU 4.

### Timekeeper

FLC-73850/ | Beginning on a specific date (September 26th), when selecting one employee in the "employee
WFD-5786 | search"'slider and navigating with **GoTo > Timecard**, the timecard opened but it showed no
employee or data, and the following error appeared:

"Error The query result exceeded the maximum threshold of 50000".

This error also appeared from the Employee Timecard page if the user selected one employee and
then clicked "open selected".

FLC-70869/ | The Timecard Metrics API not returning wage multipliers/additions; the response contained 0 for
WFD-5163 | "wageAddition" and "wageMultiplier", instead of containing information based on the pay code of the
total.

## 10/2/19 (R4.11.0 Express Upgrade 3)

The issue(s) below were resolved for the R4.11.0 EU 3.

## Scheduler

FLC-72589/
WFD-5493
When requesting the first half or second half of a day for Time Off Requests (TORs) with a Day-type cascading paycode, the day amount of the TOR was 1 day, instead of 0.5 days.

FLC-72046/
WFD-5401
When attempting to request a Time Off Request (TOR) with Day Based Pay Codes, the following errors appeared:

• a day-based paycode: "Some Unknown Error Occurred. Error Details Not Available."

• a vacation salary paycode: "com.kronos.scheduling.paycodeedit.impl.validation.ONLY_ STANDARD_HOURS_CAN_OVERRIDE_ACCRUAL_AMOUNT."

## Timekeeper

FLC-72489/
WFD-5493
When utilizing an Attestation Toolkit (ATK) Punch Out button (using the Time Review Form or another process that navigates away from the Punch page) via the Mobile App or Mobile Browser, the punch did not appear in the timecard unless users navigated back to the Punch Tile. When the process ended, the user was moved to the Home screen instead of the punch screen.

FLC-71120/
WFD-5162
When viewing the timecard for the Previous Pay Period, and then viewing the same time period with a date range selection, the punches and totals did not match.

# 9/24/19 (R4.11.0 Express Upgrade 2)

The issue(s) below were resolved for the R4.11.0 EU 2.

## Timekeeper

FLC-73042/
WFD-5589
Users were unable to select a Labor Category to transfer to on Device when using a **Labor Assignment > Labor Category Profile** other than None.

FLC-72504/
WFD-5495
When attempting to run a person integration, it failed on every record with a specific labor account name.

The application will now allow primary labor categories containing two entries to be assigned. The records which previously failed will now import successfully because they have a valid primary labor category to be assigned.

FLC-72208/
WFD-5431
Punches were vanishing inexplicably and needed to be resubmitted.

FLC-71379/
WFD-5260
In the timecard, when opening Rule Analysis and then selecting a work rule link, after closing the work rule setup window and navigating to another day with a different work rule, when users clicked on the work rule link, the setup window opened again but contained information from the first work rule.

# 9/19/19 (R4.11.0 Express Upgrade 1)

The issue(s) below were resolved for the R4.11.0 EU 1.

## Scheduler

FLC-71793/ WFD-5346   The creation of an Employee Visibility Period with an FAP setting (Request Period Extended Access) disallowed unexpectedly prevented the user from being able to use the selections under the "Schedule and Open Shift Visibility" section.

## Timekeeper

FLC-72271/ WFD-2402   When attempting to open timecards, the following error appeared:

"Error [various numbers]:null"

FLC-72176, FLC-66349/ WFD-5426   Following an R4.10.0 patch, users unable to access other employees' timecards, and the following error appeared:

"Error Either the query does not exist or you don't have permissions to execute the provided hyperfind."

FLC-71558/ WFD-5317   When managers added an In Punch with a work rule transfer and saved, the work rule in the transfer columns disappeared from the timecard.

# 9/19/19 (R4.11.0)

The issues below were resolved for R4.11.0.

## Attendance

FLC-71136/ WFD-4935   When navigating to dates in the past in Attendance Details, not all Events were displayed in the Calendar View.

FLC-70225/ WFD-5036   When using the Symbolic Period of Previous Pay Period on the Attendance Details Page, not all Attendance Actions were being populated for the Previous Pay Period timeframe.

FLC-68656/ WFD-4792   The Execute Attendance Rules for Employees (POST `/v1/attendance/rules/execute`) API operation's model documentation incorrectly wrapped the startDate and endDate properties inside a dateRange object.

## Common Business

FLC-70625/ WFD-5100   When sign-off was removed from an employee timecard for the previous pay period, and Enable Edits was applied, historical corrections were automatically assigned to the employee when they should not have been.

FLC-70449/ WFD-5088   When logged in to a French system, when users submitted a Time Off Request (TOR) using the Time Off Request tile, the resulting message was incorrectly translated.

FLC-68633/ WFD-4789   The Last Password Change date and time in the User Details section for an employee in People Information showed the date and time in the UTC time zone even though the password was changed by an employee whose time zone was set to Sydney.

FLC-66614/ WFD-4411   After users changed the descriptions of existing Business Structure jobs, the descriptions of them in reports and Dataviews still contained the old information and not the updated information.

## Common Components

**FLC-69759/**
*WFD-4986*
When users navigated to **Administration > Application Setup > Business Structure Setup > Jobs > Business Structure**, the Business Structure organizational map was not displayed.

**FLC-69419/**
*WFD-4906*
A transfer to from locations within the business structure was inconsistent when it was performed within the Web application. The inconsistency occurred when a user selected only one job for transfer under a location and not multiple jobs.

The full path of the location full path was removed after saving if the user selected only one job for transfer. The full path was saved if the user selected all of the jobs under a location.

**FLC-68761/**
*WFD-4810*
When users navigated to **Application Setup > Business Structure Setup > Jobs and Business Structure > Manage > Locations** in the Google Chrome browser to view configured locations, no locations were shown.

**FLC-65629/**
*WFD-4208*
Multiple defects were reported due to a Null Employment Status in the EmployeeExtension field in the Personality extension cache. This defect relates to an alert returned by the HCM Payroll Export API. A similar defect relates to payroll hours reporting.

## Configuration App

**FLC-69436/**
*WFD-4939*
When importing **Pay Policies > Adjustment Rules** using the Setup Data Manager, the following error appeared:

"Data validation exception occurs due to bad input data while request processing. Please verify input data."

**FLC-64789/**
*WFD-4044*
Attempts to import Business Structure locations through Setup Data Manager failed with the following error:

"Error SDM-10014 Could not export data from source..."

**FLC-61297/**
*WFD-3407*
A Business Structure import through Setup Data Manager failed with a 62142 error if the import data exceeded three megabytes. The Error Message column for each location displayed "null" after the import completed.

**FLC-61296/**
*WFD-3408*
An import of a large volume of business structure data through Setup Data Manager timed out and failed.

## Database

**FLC-69329/**
*WFD-4918*
When an administrator attempted to delete a custom report, the following error appeared:

"You cannot delete a standard report."

## Forecasting

**FLC-71510/**
*WFD-5295*
In Forecast Manager, locations were not displayed in the hierarchy established by the Business Structure.

## Information Access

FLC-67657/ WFD-4618   The Employee Availability Dataview took a long time to load and sometimes a "No data to display" error was displayed even though data existed.

## Integration Hub

FLC-71446/ WFD-5278   The Point of Sale (POS) Import integration would fail sporadically. An increase to the timeout duration resolves this problem.

FLC-70332/ WFD-5070   The Payroll Based Journal (PBJ) integration produced XML files with incomplete data. The XML version has been updated for the correct namespace and format.

FLC-69336/ WFD-4922   The Payroll Export integration incorrectly referred to Primary Jobs instead of Paycodes in cross-reference table mappings. To resolve this error, custom scripts replace comma separators with semi-colons to map the values. Another script replaces the semi-columns with commas for the output file.

FLC-67535/ WFD-4578   After integration runs finished, the Time Period was ahead by one day. Changed treatment of date and time offsets resolves this error.

## Key Performance Indicators

FLC-66288/ WFD-4360   Shifts that were sourced from a Schedule Pattern or Schedule Group lost the link to the pattern or group after a schedule maintenance task update even though the shifts were still valid within the pattern or schedule group.

## Platform

FLC-71233/ WFD-5228   When searching for a batch job, only 10 rows were displayed at a time and there was no way to export or do an advanced search filtering by specific fields.

FLC-70328/ WFD-5051   For managers, pay period-based Workflow Notifications did not retain their Notification Type when migrating in Setup Data Manager (SDM) from Source to Target.

FLC-69120/ WFD-4885   When managers selected the Employee Requests category in the Control Center, not all employee requests were loaded.

FLC-68364/ WFD-4743   When users were in Control Center, clicking on the Menu icon intermittently returned an empty Categories menu and the application became unresponsive. The only way to close the application was by clicking the X in the upper right corner of the window.

FLC-65413/ WFD-4175   When running a report in French, the French spelling and pronunciation of some timeframe periods were incorrect.

FLC-64402/ WFD-3965   The Canadian French translation for Jobs and Business Structure appeared incorrectly as "Structure des postes et de l'entreprise" when it should have been "Postes et structure

commerciale".

## Scheduler

| | |
|---|---|
| FLC-71326/ WFD-5240 | In the Employee Visibility Period window, the Add Period slide-out panel contained an incorrect spelling of the word "suppress". |
| FLC-70908/ WFD-5173 | When a schedule was generated for employees who resided in different locations, the schedule was not generated and the error message did not explain the reason for the failure. |
| FLC-70736/ WFD-5142 | After updating a Schedule Group Pattern that included a terminated employee who was no longer included (or visible) in the group, the following error appeared: |

"The change was not applied to this employee because the employee is terminated."

Although this was the correct behavior, the error message was confusing and will no longer appear.

| | |
|---|---|
| FLC-70639/ WFD-5120 | When managers submitted a Time Off Request (TOR) using Enter Time Off from the schedule, with the Auto Approval box un-checked, no notification was sent and the request did not get resolved. |
| FLC-70532/ WFD-5101 | The Time Off Request tile did not populate with the appropriate Reasons or Request types. |
| FLC-70344/ WFD-5069 | After adding a paycode to a shift for an employee who had a Percent Allocation Rule, the percentage of hours was displayed instead of the full 8 hours, which caused the employee's timecard to be inaccurate. |
| FLC-69466/ WFD-4947 | When a schedule included multiple shifts and a paycode edit was made to override all shifts, an error appeared. |
| FLC-69387/ WFD-49429 | When a manager scheduled an employee for a shift that caused the No Save rule violation "Minimum Time Between Shifts," the rule violation did not trigger if the shift that caused the rule violation was outside of the loaded time period in Schedule Planner. If the manager then loaded a range of dates in Schedule Planner that loaded the two shifts, the No Save rule violation finally triggered. |
| FLC-69350/ WFD-4908 | When an employee's Display Profile defined the duration format as hh:mm, scheduled hours specified for the Schedule Rule Override in the employee's people record were converted into seconds. |
| FLC-69121/ WFD-4879 | When an employee clicked or tapped Edit Request, then Cancel, without actually making changes, the time of the shift changed. |
| FLC-68895/ WFD-4829 | When the workload for the location used a Shift Set and the `global.WTKScheduler.ShiftCoverageCounting.RequireExactMatch` system setting was set to True, the Daily Coverage tab in Schedule Planner listed a shift with incorrect shift coverage. |
| FLC-68445/ WFD-4758 | Calendar Dates initially showed correctly in the yearly view, but switching to the weekly view and then back to the yearly view, caused all the dates to shift forward by one day. |
| FLC-66843/ WFD-4465 | A staffing matrix failed to import into Setup Data Manager, with the error "Request Entity Too Large." |

FLC-66350/
*WFD-4267*
After deleting a paycode from an employee's schedule, the paycode still appeared in the employee's timecard.

FLC-65485/
*WFD-4190*
Extraneous text was displayed in the contents of the **Type** column on the Availability page in Schedule Planner, such as **&AVAILIBILITY_TYPE_UNAVAILABLE** instead of **Unavailable**.

FLC-65395/
*WFD-4171*
An error message informing the user that "the resource was already modified" appeared in Schedule Planner when the user attempted to change something that was modified by someone else while the user had a schedule open.

A more helpful message is now provided:

"You are trying to update an item that has been modified by another user or process. Reload and try again."

FLC-64792/
*WFD-4050*
When users clicked on My Schedule during an Open Request period and selected a day to swap a shift, the following error appeared:

"Error You have specified a location that is not a job."

FLC-62462/
*WFD-3604*
When sickness was assigned to an employee's schedule using Request Subtype, it was not calculating the hours based upon the Employment Term and the Time Off Rule in effect.

## Timekeeper

FLC-71471/
*WFD-5296*
The Leave Document Status was not removing the past due date indicator for non-generated templates/documents.

FLC-71402/
*WFD-5264*
The Create Labor Category Lists (POST `/v1/commons/labor_category_lists/multi_create`) API operation returned the wrong error when duplicate labor category entries were submitted in the request body.

FLC-71209/
*WFD-5217*
In the timecard, when opening the Totals add-on, the following error intermittently appeared:

"Error NGUI-00090 Internal error. Please, contact your administrator."

FLC-71084/
*WFD-5201*
In the timecard, when adding an out punch to a shift that had a scheduled transfer, one of the following error messages appeared:

"Error Duplicate Punches are not allowed."

"Error java.lang.NullPointerException"

FLC-71071/
*WFD-5195*
The Bulk Import Paycode Edits (POST `/v1/timekeeping/pay_code_edits/import`) API operation incorrectly returned an error when the system setting `site.timekeeping.displayScheduledPCEStartTime` was set to false.

FLC-71061/
*WFD-5196*
While attempting to sign-off employee timecards or view signed-off employee timecards with the Accruals tab open, the following error appeared:

"NGUI-00236 An error has occurred while attempting to retrieve Accruals data from the server."

FLC-71018/
*WFD-5190*
In rare circumstances, the Retrieve Timecards by Manager (POST `/v1/timekeeping/timecard/multi_read`) API operation would incorrectly return an error when attempting to retrieve transfers to now-expired organizational jobs.

| | |
|---|---|
| FLC-70981/<br>*WFD-5137* | When an employee had two holidays in the same week, the Retrieve Data (POST `v1/commons/data/multi_read`) API operation only returned one holiday when using the `TK_WH_CREDIT` data element. |
| FLC-70977/<br>*WFD-5178* | When performing a group edit (for example, updating accruals), if the Apply button was clicked multiple times, then multiple identical group edit transactions were triggered and all were accounted for in the group edit results. |
| FLC-70869/<br>*WFD-5163* | The Retrieve Timecard Data–Multiple Employees (POST `/v1/timekeeping/timecard_metrics/multi_read`) API operation did not generate and return actual values for the "wageAddition" and "wageMultiplier" properties. |
| FLC-70808/<br>*WFD-5154* | In the timecard, when users opened the Reset Accrual Balances panel, some accrual codes, such as Holiday Expired, appeared multiple times in the drop-down list. |
| FLC-70798/<br>*WFD-5149* | The description of the Time Detail Report in the user interface referenced the term "labor level" when it should have stated "labor category". |
| FLC-70558/<br>*WFD-5108* | A manager with the Timecard Access FAP set to All but Self could not edit the timecard of an inactive (not terminated) employee, as expected. The manager could only edit the timecard if the FAP was set to All. |
| FLC-70537/<br>*WFD-5135* | When transferring from one labor category to a primary labor category, the transfer was not reflected in the totals for the labor category. |
| FLC-70419/<br>*WFD-5087* | When attempting to open the timecard for a specific employee, the following error appeared:<br><br>"Error 10366:null" |
| FLC-70265/<br>*WFD-5041* | In the timecard, when transferring employee hours to a work rule, after saving the following error appeared and the changes were not saved:<br><br>"Error Index: 0, Size: 0" |
| FLC-70261/<br>*WFD-5032* | When a user (with the FAP setting for Comments in My Timecard set to Allowed and Punch Edits in My Timecard set to Disallowed) added a comment to a punch in the timecard, an error message appeared and the user could not save the timecard. |
| FLC-70150/<br>*WFD-5037* | In People Information, under **Employee Role > Time Entry Method**, users were able to assign up to two Time Entry Methods with the same effective date if the date was the Beginning of Time (01/01/1900). |
| FLC-70064/<br>*WFD-5028* | When running an Audit IP Dataview using the Current Pay Period, all data appeared correctly but when the timeframe was changed to Previous Pay Period, some data was missing. |
| FLC-69588/<br>*WFD-4963* | After Employee Groups were updated via an integration, they were no longer functional. |
| FLC-69838/<br>*WFD-5001* | When an employee transferred to a labor category that was configured to pay a different wage in the adjustment rule, the wage adjustment was not paid correctly. |
| FLC-68768/<br>*WFD-4813* | For a particular paycode, the user de-selected the "Visible in totals columns of Timecard's main area" option in the paycode's definition but totals still appeared in the Daily and Period columns in the timecard (the result of an accruals balance cascade payout). |

| | |
|---|---|
| FLC-68758/ WFD-4806 | When running a Dataview, values were generated in the Rounding Rule Variance, Time Worked Not Paid (Out) Hours, and the Time Worked Not Paid Hours columns for an employee who should not have had any values in these fields since the timecard data says they punched on a rounded value and they do not have any schedules. |
| FLC-68544/ WFD-4960 | In the Daily Actual Totals Dataview, when viewing data in the Daily Actual Totals Hours column, only the most recent paycode total transaction appeared instead of all of the paycode transactions for the day. |
| FLC-68132/ WFD-4701 | After updating a job title in a pay rule, a Dataview containing this information did not update until hours after the change was made. The expectation was the change would be reflected in the Dataview within a few minutes of the change. |
| FLC-67235/ WFD-4530 | Despite the fact that some Group Edits were set to the highest priority, they were still taking too long to process. |
| FLC-64538/ WFD-3999 | In the timecard, when a manager manually entered a transfer for an employee who had a scheduled transfer for that day, when the manager saved the timecard, the manual edit was immediately overridden by the scheduled transfer. |
| FLC-62988/ WFD-3704 | When users ran the Time Detail Report, the report appeared to run successfully. However, after downloading and viewing the PDF, the following message was displayed on every page of the report : |

"Error [WFM-COMMON-1234] Failed to retrieve some data from the providers (Out Punch Exceptions, In Punch Exceptions, Actual Wages, Actual Days, Start Date Time, Apply Date, Transaction Type, End Date Time, Paycode Name, Actual Hours)."

## Universal Device Manager

| | |
|---|---|
| FLC-70445/ WFD-5090 | Upon initialization, all devices encountered a "udm.deviceactions.error.4665" Duplicate Biometric Template error. |
| FLC-67901/ WFD-4655 | When users performed a labor category transfer from InTouch 9100 devices, the labor categories were not sorted. However, performing the same transfers from an InTouch 9000 device showed the same labor categories as sorted. |
| FLC-67777/ WFD-4628 | When users navigated to various pages in the Device Configuration section of UDM, the pages would occasionally be displayed without content. load as blank. In addition, at an In Touch device, the Time Off Request (TOR) Smart View opened an empty window. If users selected Submit at the window, the following message was displayed: |

"A processing error has occurred on UDM Server."

# 9/20/19 (R4.10.0 Express Upgrade 7)

The issue(s) below were resolved for the R4.10.0 EU 7.

## Timekeeper

FLC-72280/ A custom Attestation Toolkit (ATK) workflow was causing a "Some Internal Error Occurred" error
WFD-5451 when there was a punch already on the day.

# 8/22/19 (R4.10.0)

The issues below were resolved for R4.10.0.

## Attendance

FLC-68748/ A transfer of Attendance items via Setup Data Manager (SDM) into Workforce Dimensions resulted
WFD-4738 in the following error:

"System Error. Please contact your system administrator."

FLC-66767/ A Pie Graph configured with a category of Unexcused Absence Indicator returned no data when
WFD-4431 drilling down on either section of the chart. If the category was changed to Employee, drilling down
on a section returned the name of the employee.

## Common Business

FLC-69189/ HCM menu options were slow to render in the user interface menu.
WFD-4892
Expanding the menu caused it to load Workforce Dimensions menu items, but HCM items took a
long time (for example, between thirty seconds and several minutes) to appear. This issue was not
browser-specific.

FLC-63113/ For a particular employee, the Employee Group shown in a Dataview was incorrect for a specific
WFD-3724 date.

## Common Components

FLC-68023/ A v1/commons/locations/multi_update API call returned errors when the "expirationDate,
WFD-4670 "effectiveDate," and "nodeId" fields were not included in the request. None of these fields was listed
as required in the Developer Portal.

Even after the API call was updated with the "expirationDate," "effectiveDate," and "nodeId" fields,
and a 200 Status was returned, indicating success, the description of the location was not updated.

FLC-65829/ The results of a specific Hyperfind query did not include an employee that met all of the query
WFD-4234 criteria.

## Configuration App

FLC-68894/ When attempting to move some custom reports using Setup Data Manager (SDM), a "Payload Too
WFD-4831 Large" message appeared, even though this action should succeed.

## Forecasting

FLC-72274/
WFD-5450
The gold data generated for naming "Site" and "Department", via "Business Structure à Manage à Types", were not well-handled. The name of the store Location Type was updated to resolve this.

FLC-71273/
WFD-5237
From Operational Dashboard, the "% Effective" "Week to Date" value was calculated incorrectly. It was incorrectly divided by 100 (for example, a 131.88 Week to Date value was displayed as 1.32 ).

FLC-68046/
WFD-4686
Threads in the `.com.kronos.forecasting.volume.business.external.ExternalVolumeLabelCache` queue were blocked from executing.

FLC-67373/
WFD-4541
When a customer requested that its NPR tenant be refreshed with the latest PRD data, or it requested that a database backup be provided to engineering, point-of-sale (POS) data from the Cassandra database was excluded from the database backup/restore process. As a result, when the customer next ran a Volume Forecast in the newly restored tenant, the Volume Forecast completed successfully but zeroes were forecast because no POS Data was available.

## Integration Hub

FLC-70065/
WFD-5027
When attempting to run a Punch Export integration, it failed with the following error:

"An unexpected error occurred while executing the integration. Please contact the system administrator."

## Leave

FLC-70257/
WFD-5055
When attempting to submit a Time Off Request (TOR) using the Half Day options (1st Half, 2nd Half, Half Day) and a Cascading Policy within My Calendar or through the Schedule, the following error appeared:

"Error Validation Rule Failed. Rule: PayCodeSymbolicValueAllowedVR."

FLC-68745/
WFD-4749
The Create Leave Case (POST `/v1/leave/leave_cases`) API operation incorrectly required a case code to be specified in the request body.

FLC-67721/
WFD-4621
The Manage Leave of Absence tile displayed the incorrect error when the number of employees exceeded the threshold.

## Platform

FLC-70417/
WFD-5086
Users were unable to migrate the published process model to the production tenant using the Setup Data Manager.

FLC-69639/
WFD-4945
When users attempted to submit the Business Process Form from a mobile browser, the Form Submit Button was cut-off in the display and could not be used.

FLC-69304/
WFD-4912
When employees attested if they had unreported work (defined in the process model called GMS Standard Punch In Shift Form), the system did not send notifications to the applicable manager.

FLC-68959/
WFD-4832
After users received an email that a scheduled interactive report was completed and clicked the one-click navigation link, an "Unauthorized" message was displayed.

| | |
|---|---|
| FLC-68067/ WFD-4692 | After receiving a notification that a scheduled report was completed, users could not use the GoTo functionality in Control Center to view the report. |
| FLC-67637/ WFD-4613 | A Concurrency exception occurred in the PRD environment during an attempt to access a HashMap. |
| FLC-67221/ WFD-4508 | When managers entered a Hyperfind query that did not return any employees, the following error appeared:<br><br>"WCO-127007 The payload is invalid."<br><br>The system now returns the following, more informative message:<br><br>"There are no items to display." |
| FLC-66812/ WFD-4462 | The Tomcat localhost_access_log files were growing large in an Openam environment and needed to be purged. |
| FLC-66624/ WFD-4393 | When the Employee Schedule - Weekly report was generated in PDF format, the headers did not reflect the correct jobs. When the report was generated in interactive format and printed in HTML, the headers were correct, but if the interactive report was printed to PDF, the headers were incorrect.<br><br>Now, the headers of the Employee Schedule report reflect the correct jobs regardless of where it is printed from. |
| FLC-66462/ WFD-4381 | When a manager using the French language accessed **Information > Authentication** in an employee's People Information record, the authentication types were listed in English (Basic, Federated), instead of being translated into French (De base, Fédéré). |
| FLC-66166/ WFD-4326 | Paycodes that included the "<" or ">" character were not listed in the Employee Hours By Job report , despite that they were in the Time Detail report.<br><br>Now, any special characters that are allowed in paycodes will be displayed correctly in all reports. |
| FLC-64517/ WFD-3984 | An Adjustment Rule failed to import when the greater than symbol (>) was in the name and the rule already existed. |
| FLC-64293/ WFD-3934 | Selecting Return to Logon Page from the Reset Password window brought the user to a page that did not appear to be valid. |
| FLC-61459/ WFD-3441 | When attempting to access the application's single-sign-on URL, users were intermittently directed to the basic vanity URL. |
| FLC-60768/ WFD-3324 | When an administrator was logged in in German and accessed **Administration > Application Setup > System Configuration >Translation > Setup Data** with Sprache set to "Deutsch" and Land set to "Deutschland," any Entity Type whose translation was exported was exported in an incorrect format (.do instead of .xls). |

## Scheduler

| | |
|---|---|
| FLC-70643/ WFD-5117 | Schedule Generator was failing for administrators for the Current Schedule Period, and the following error appeared:<br><br>"Error Generator Failed. Engine exception: (cause)." |

FLC-69441/   The Retrieve Schedule Audits (POST `/v1/scheduling/audits/multi_read`) API
*WFD-4941*   operation incorrectly returned empty openShiftAudits arrays.

FLC-69110/   When an employee was assigned a Schedule Rule Set, then was terminated with an effective date
*WFD-4882*   that was earlier that the Schedule Rule Set assignment effective date, and then was rehired and a
  new Schedule Rule Set was assigned via the API, the following error appeared:

"WFS-107022 You cannot create, update, or delete an assignment after an employee's termination date. Employee: 01648791, Rule Set: 54, Assignment Effective Date: 03/05/2019."

FLC-68653/   After selecting a location from the Selected Locations drop-down in Schedule Planner and then
*WFD-4788*   attempting to access the coverage graph in the Coverage tab, the system erroneously returned the
  following error:

"Unknown Error Occurred. Please see system Administrator."

FLC-68453/   When managers in the Reviewer List submitted a Time Off Request (TOR), other managers in the
*WFD-4752*   same Reviewer list received the notification under My Request instead of under Employee
  Notifications.

FLC-68273/   On mobile devices, the GoTo navigation options from the timecard, Attendance, and Leave did not
*WFD-4720*   include the option to **GoTo Person**.

The **Person** selection is now available in every GoTo scenario.

FLC-68250/   An error kept reappearing in the Staffing Matrix, causing issues when editing the Staffing Matrix and
*WFD-4710*   running the Schedule Generator.

FLC-68057/   After entering a multi-day time-off request in the same pay period but spanning schedule periods,
*WFD-4683*   the following error appeared:

"Error The following Consistency Validation Failed: Periods can only contain one period."

Requests can now be entered for days spanning multiple weeks.

FLC-68025/   After assigning or deleting a schedule group assignment, the system erroneously returned the
*WFD-4672*   following error:

"Error (1) The start date must be after job assignment date."

68057 After entering a multi-day time-off request in the same pay period but spanning schedule periods, the following error appeared:

"Error The following Consistency Validation Failed: Periods can only contain one period."

Requests can now be entered for days spanning multiple weeks.

FLC-67897/   When importing shift templates, the following error appeared:
*WFD-4653*
"The date or time format is not valid."

FLC-67895/   When managers submitted a time-off request in Schedule Planner (by right-clicking the date and
*WFD-4651*   adding the time-off request), the page did not refresh in the Totals column.

FLC-67821/   When time off was added directly to a schedule, a notification that could not be dismissed was sent
*WFD-4644*   to managers. This notification always displayed as an unread message.

The corrected behavior is that when a time off request is added directly to the schedule, the request is already approved. The message can be marked as read.

FLC-67794/ WFD-4635

Intermittently, when a manager with delegated manager authority navigated to Control Center, they were unable to act on Time Off Requests (TORs), and were also seeing TORs that had already been already approved in the delegation. In addition, the following error appeared:

"Not allowed to access this employee" message in the Details Pane."

FLC-67626/ WFD-4601

After adding a paycode to an employee's schedule, a warning message appeared and the paycode was not added for the day selected. If the paycode or holiday was entered via the Enter Time Off feature, the paycode was added to the schedule for the day successfully, but the error message still appeared.

FLC-67549/ WFD-4584

The Automated Break Placement tab on the Edit Work Rule page (**Administration > Application Setup > Pay Policies > Work Rules**) was not visible for a customer who had the Advanced Planning and Scheduling entitlement.

FLC-67231/ WFD-4527

The Priority Scheduling Engine matched employees with "unknown availability" and erroneously assigned them to shifts when the matching assignment was set to "Availability by Hours" (**Administration > Application Setup > Scheduler Setup > Sorting and Matching > Rules**) and the "Allow Overlap with Unknown Availability" was unchecked in the Schedule Generation Strategy (**Administration > Application Setup > Scheduler Setup > Location Settings > Schedule Generation Strategy**).

FLC-67218/ WFD-4520

When open shifts had shift start and end times on the hour (for example, 8-9 a.m. and 9-10 a.m.), the Priority Scheduling Engine considered the shifts to be overlapping, which meant that it could not schedule back-to-back (contiguous) shifts.

The 1-minute overlap between the shifts is no longer treated as an overlap so that contiguous shifts can be scheduled.

FLC-66878/ WFD-4449

When an employee was offered a shift swap, when they selected Accept, nothing happened. The shift could not be accepted.

FLC-66941/ WFD-4473

After assigning an Advanced Scheduler license to an employee in the People Information component, the employee's Schedule Rule Set was removed from their Person Information record.

FLC-66221/ WFD-4347

The Cancel Request button in the Time Off Request window was not working properly. It was taking a long time (for example, 200+ seconds).

FLC-66039/ WFD-4266

When a user with access to several locations created a Schedule Generation Strategy or Coverage Counting and assigned it to locations, then another user who did not have access to the assigned location attempted to assign the same Schedule Generation Strategy or Coverage Counting to different locations, the first user's assignments were deleted.

Now, the following error message will appear for the second user and the assignment will not be updated:

"You do not have access to all locations assigned to the selected setting."

FLC-65700/ WFD-4211

After copying and pasting a shift with breaks from one employee to a different employee who has a different pay rule/work rule, Schedule Planner also transferred the first employee's pay rule/work rule to the second employee. Now, only the shift and break times are pasted to the different

employees: no pay rule/work rule transfer.

| FLC-65522/ WFD-4180 | When using the Data Migration tool v4.4.0.1 to migrate Schedule Pattern Templates, the datamigrationreport.log indicated that all templates migrated successfully. However, only some of them did. |

## Timekeeper

| FLC-72176/ WFD-5426 | Users were unable to access other peoples' timecards following an R4.10.0 patch, and the following error appeared:

"Error Either the query does not exist or you don't have permissions to execute the provided hyperfind" |

| FLC-71559/ WFD-5320 | A Labor Category transfer done for a segment of shift out of a primary location were not being retained for transfers thereafter. |

| FLC-71132/ WFD-5208 | If there were comments in an employee's schedule on a specific day, punch information was not displayed in the mobile timecard for that day. |

| FLC-71109/ WFD-5203 | Totals were repeatedly not up to date on a tenant, and users needed to restart the Background Processor (BGP) nodes. |

| FLC-70841/ WFD-5169 | When users imported Labor Categories (LC), the sequences were in the reverse order due to the fact that due to that they couldn't import adjustment rules. |

| FLC-70448/ WFD-5094 | The Accrual Balance in the Timecard Accruals add-on changed based upon Ranges of Date selected. It also did not show the expected results based on what was seen in the Accrual Detail Report, depending timeframe selected in the timecard. |

| FLC-69948/ WFD-4982 | Users were unable to add or edit punches in the timecard if the punch crossed the day divide, and the following error appeared:

"There has been a sign off date violation." |

| FLC-69939/ WFD-5010 | When a corrupted Attestation button was executed, a null offline workflow generated continuous null API calls. |

| FLC-69928/ WFD-4968 | Attestation Dataviews returned inconsistent data when selecting Previous Pay Period and then when selecting the actual date range for the previous pay period. |

| FLC-69539/ WFD-4955 | In the timecard, when using a cascading paycode edit, the daily totals did not accurately reflect the edit amount. |

| FLC-69254/ WFD-4907 | In the timecard, unusual transactions and shifts appeared for a specific employee on a specific date. |

| FLC-69511/ WFD-4937 | When executing the Retrieve Assigned Attestation Profiles by Person Number API, the person number was not returned in the response. |

| FLC-69440/ WFD-4928 | The Add Timestamp (POST `/v1/timekeeping/timestamps`) API operation did not correctly apply the time zone specified in the request body. |

| FLC-69412/ WFD-4934 | The Last Allocated Date column on the Hours Allocation landing page showed time in the UTC time zone instead of in the user's time zone. |

| | |
|---|---|
| FLC-69317/ WFD-4913 | Dataview columns were not populating for all timeframes that contained rounded punches. |
| FLC-69314/ WFD-4915 | Several employees used Quick Timestamp on a shared workstation to punch in, but after one employee punched in, the delay was too long before another employee could punch in. |
| FLC-69036/ WFD-4867 | Executing Timekeeping reports and Dataviews resulted in high CPU utilization and slow response times. |
| FLC-69034 | The Callable Totalizer service did not return any hours when there was a paycode edit (PCE) in the schedule. |
| FLC-68920/ WFD-4835 | An exception rule was set to pay only the first 15 minutes of a break, but payment was exceeding the first 15 minutes. |
| FLC-68919/ WFD-4839 | Users were unable to retrieve the CODE NUMBER within a paycode's definition via an API Get call. |
| FLC-68836/ WFD-4820 | An overriding personal rule was erroneously applied to all overtime rules instead of only the overtime rule to which it was assigned. |
| FLC-68756/ WFD-4807 | When setting up a percent allocation rule, after selecting paycodes for the rule and saving, the changes were not retained. |
| FLC-68726/ WFD-4803 | The India Muster Report was not including holiday paycodes in the output. |
| FLC-68702/ WFD-4790 | After adding an in-punch with a comment to an employee's timecard, when viewing the punch in the Employee Timecard Audit Tab Dataview, a check mark appeared in the Punch Deleted Indicator column when it should not have. |
| FLC-68547/ WFD-4774 | When a scheduled shift had a schedule tag associated with it, a "604:NULL" error appeared, and the employee's timecard could not be viewed with any date selection. |
| FLC-68448/ WFD-4764 | The timecard for ten specific employees could not be viewed, and the same employees failed to totalize. |
| FLC-68382/ WFD-4721 | For an employee with a hire date that was in the future and in the middle of a pay period, all rows in their timecard (for the timeframe containing the hire date) were grayed-out (disabled). If the employee added a punch, the rows became active and were no longer grayed-out. |
| FLC-68298/ WFD-4725 | For employees with the same Labor Category Profile but different primary jobs, different Labor Categories were shown in the timecard Totals tab. One employee was listed as having 1 of the 4 assigned labor categories, and the other employee was listed as having 3 of the 4 assigned labor categories. |
| FLC-68297/ WFD-4727 | When the system setting `site.timekeeping.recordTimestampAfterApproval` was set to True, employees were unable to add punches to approved timecards in the current pay period. |
| FLC-68113/ WFD-4696 | In the Attempted Punches Dataview , the columns were not returning any data when applying a single date for the timeframe, despite that the data was returned when a date range was applied. |
| FLC-68019/ WFD-4669 | When an overtime notification was triggered, the notification was sent to the "reports to" manager and to another random manager. |

FLC-67882/ WFD-4646  For consecutive shifts that crossed the day divide (with punches at 12:00 am), when viewing the punches in the timecard they were shifted from the previous day to the next day making the punches appear staggered.

FLC-67810/ WFD-4636  After performing a transfer in the timecard and calculating totals, the cost center for the transfer did not update with the correct cost center information in the Totals add-on.

FLC-67615/ WFD-4599  When a holiday was entered in a timecard, a Sunday Night Adjustment paycode was added automatically.

FLC-67609/ WFD-4593  The columns in a Dataview used to track rounding rule variances were not populated for a specific timeframe even though the timecard contained rounded punches in the same timeframe. The columns used were:

- Rounding Rule Variance (KPI)
- Time Paid Not Worked Hours
- Time Paid Not Worked (In) Hours
- Time Paid Not Worked (Out) Hours
- Time Worked Not Paid Hours
- Time Worked Not Paid (In) Hours
- Time Worked Not Paid (Out) Hours

FLC-67646/ WFD-4575  When a valid job transfer was made on day one, but the job was no longer active on day two, the following error for the timecard audit for day one:

"ObjectRef with id: 1705 could not be found."

FLC-67608/ WFD-4582  When viewing the Rounding Rule Impact Analysis Dataview, the value for Rounding Rule Variance was not consistent with the information in the timecard. The employee's timecard indicated all punches were on the hour, 15 minute, or 30 minute marks and should not have generated any rounded values.

FLC-67487/ WFD-4571  Punches that originated from a UDM device, and contained a transfer, resulted in an unexpected projected out- punch. If the punch did not contain a transfer, the projected out punch was not produced (the expected behavior for both scenarios).

FLC-67411/ WFD-4556  An unexcused absence exception still showed in the timecard even though the absence had been resolved by the manager.

FLC-67374/ WFD-4549  An employee was disqualified for a Holiday Credit Rule even though all qualifiers for the rule were met.

FLC-67354/ WFD-4545  When using Accrual Payout on an Accrual Policy with multiple takings paycodes, the system did not respect the configuration of the Display Order.

FLC-67276/ WFD-4532  In a four-column timecard, an exception indicator did not appear on the second In punch of the day after a manager manually-added a Cancel Deduction to the punch. Cancel Deduction did appear on the Punch Actions glance.

FLC-66940/ WFD-4470  When navigating from a Dataview to a timecard, the selected date (or date range) in the Dataview changed to one day prior to the originally-selected date (or date range).

| FLC-65956/ WFD-4269 | In the timecard, totals for an employee's scheduled hours were incorrect when using the Current Pay Period. Totals were correct when using a date range. |
|---|---|
| FLC-65731/ WFD-4567 | In the timecard, for future Accrual Pay Out, the results returned from the callable totalizer (CT) differed from the results returned from the Background Processor (BGP). |
| FLC-65331/ WFD-4166 | In the timecard, after marking a punch with a Bonus Applied exception as reviewed, upon save, the punch appeared as a missed punch. |
| FLC-62132/ WFD-3544 | The meal break attestation workflow was canceling all deductions, regardless of the actual meal breaks taken by the employee. |

### Universal Device Manager

| FLC-68770/ WFD-4812 | An attempt to edit the name of a device group in the UDM Device Dashboard failed with the following error: |
|---|---|

> "Error: security violation."

# 7/26/19 (R4.9.0)

The issues below were resolved for R4.9.0.

### Attendance

| FLC-70731/ WFD-5140 | When paycodes were added to resolve absences, running Apply Rules was not causing these events to process, resulting in incorrect Attendance Details and point balances. |
|---|---|
| FLC-65673/ WFD-4222 | While applying the attendance rules, the following error appeared: "Error: An unexpected SQL system error has occurred." |
| FLC-66482/ WFD-4390 | On the Attendance Details page, an error appeared when rules were applied if the attendance profile included a Formula Policy. |
| FLC-64550/ WFD-3998 | When adding a comment to an exception on the timecard any exceptions on the same day on the Attendance Details page were removed. |

### Common Business

| FLC-69185/ WFD-4890 | An HCM Accrual Export iPack resulted in the following error when running an integration for All Home locations: |
|---|---|

> "Error message received from Http Server, Code 503: Service Unavailable."

| FLC-68902/ WFD-4838 | An HCM People Import mapped Standard Work Hours incorrectly, resulting in an error and the hours being imported as a rounded whole number (for example, 5.0 hours instead of 4.5 hours). |
|---|---|
| FLC-68285/ WFD-4724 | An HCM People Import resulted in an error when the First Name or Last Name field contained over 30 characters. However, Workforce Dimensions HCM and Workforce Dimensions Timekeeper did allow more than 30 characters. The Integration will now allow the same number of characters in the fields as allowed in Workforce Dimensions HCM. |

FLC-68199/    An HCM People Import resulted in an error when attempting to import multiple employees with the
*WFD-4711*    same manager. Users needed to import the employees separately.

FLC-67182/    An HCM Payroll Export completed with an error indicating that employee (who had been deleted)
WFD-4518    was not found in HCM, and was missing from the Dataviews and Employee Information in WFM.

## Common Components

FLC-70274/    When attempting to migrate end-dated Business Structure locations from the UAT environment to
*WFD-5063*    the TEST environment, the migration failed for all locations with the following error:

"The location Work span 1900-01-01 - 2019-07-12 conflicts with an existing life time 1900-01-01 -
2019-07-12."

FLC-67279/    When navigating to **Administration > Application Setup> Business Structure > Jobs and**
*WFD-4533*    **Business Structure** from the main menu using Internet Explorer, the following error appeared:

"The reference date is mandatory and cannot be missing or empty."

## Database

FLC-65713/    When a KPI definition contained a huge number of metrics, it was unable to load during Workforce
WFD-4223    Central startup and caused a Java heap space exception.

## Forecasting

FLC-68674/    When users navigated to **Menu > Administration > Application Setup**, then to **System**
WFD-4798    **Configuration > Batch Job List**, selected a launch date and clicked Refresh, the job incorrectly
remained in the "Waiting" status.

FLC-67381/    When users of Forecast Planner attempted to access contextual help by clicking the Help icon ()
*WFD-4550*    on the UI page, the Help panel failed to load and the Browse All Help pop-up screen was empty.

FLC-66273/    When the default timekeeping and scheduling metrics for Actual Cost, Actual Hours, Scheduled
*WFD-4334*    Hours, and Scheduled Cost were used in the Operational Dashboard, they were erroneously being
calculated as the sum of all paycodes in the timecard and the schedule. They should have been
calculated based on specifically-assigned paycodes.

FLC-64536/    Attempts to transfer labor standards to the production environment using Setup Data Manager
*WFD-4000*    failed with the following error:

"WFP-01270 The information in the bean is not valid. Detailed errors should be wrapped within this
exception. WFP-01147 The value for the property is not valid - Name: GenericDepartmentName,
Value: Total Meat."

FLC-64393/    The Function Access Profile user interface provided descriptions of the following access control
*WFD-3926*    points that did not match the permissions granted by the control point:

- **Everyone > User Profile Picture Upload Access**
- **Manager - Department Manager > Forecasting > Custom Driver Data**
- **Manager - Common Setup > Forecast Configuration > Forecast Planner**
- **Manager - Common Setup > Forecast Configuration > Forecast Planner Profile**

## Information Access

FLC-63924/ WFD-3847    A Dataview did not load in Internet Explorer or Edge when it used a Hyperfind query to filter on location.

## Integration Hub

FLC-70332/ WFD-5070    The Payroll Based Journal (PBJ) iPack was producing a XML file with incomplete data in respect to the namespace information. This is causing the following error when attempting to upload to CMS:

"The file generated was rejected by CMS due to the following error:

• Invalid XML File Format: The submitted file is not structured properly and cannot be processed.

• Cause: The submitted record is not a properly structured XML file and cannot be processed.

• Tips: Beginning and endings tags must enclose the entire record.

• Action: Contact your software vendor. Make appropriate corrections to the record and resubmit.

• Cannot find the declaration of element '[element name]'."

FLC-66690/ WFD-4430    The Dataview Library scroll bar extended beyond the bottom of the browser; the last Dataview could not be accessed.

FLC-65975/ WFD-4277    Users were unable to successfully upload non-English Language paycodes to a Cross-reference table (CRT).

## Key Performance Indicators

FLC-68383/ WFD-4736    No data was displayed for employees when the "$R-Overtime summary KPI Org-based" Dataview was expanded up to the last level.

For the $R-Overtime summary KPI Org-based Dataview, employee data was only displayed up to the Organization/Department/Job level. Data should have been displayed for the selected Location and Job.

## Leave

FLC-66401/ WFD-4368    On an employees My Calendar page, Leave time deductions appeared without the Accrual Code.

FLC-65973/ WFD-4275    In the Leave Case editor, when users entered a Certification Start Date and Expiration Date and clicked Apply, the information was not saved. The following error appeared, despite that this information should not be required:

"Either Frequency or Duration or Total Time should not be empty."

FLC-62877/ WFD-3682    The Update Custom Fields (POST `/v1/leave/leave_cases/custom_fields/multi_update`) API operation always required an ID passed in the request, even when a valid qualifier that uniquely identified the desired resource was passed.

FLC-62006/ WFD-3518    Although the Leave of Absence Takings Dataview and Charts contained data, the chart tiles on the home page contained the message, "No data to display."

## Platform

FLC-67638/    For all WFM nodes in a production environment, concurrency errors were appearing in Tomcat
*WFD-4614*    logs.

FLC-67477/    Load Balancer was showing a greater number of nodes than expected. Nodes which had been
*WFD-4576*    decomissioned were still showing in Load Balancer and contributing to traffic.

FLC-67112/    When Employee A punched via Attestation, the punch was being sent to Employee B's timecard.
*WFD-4499*    This issue occurred when Employee B's badge number was end-dated and assigned to Employee
   A on the same day within minutes or each other.

FLC-66414/    When attempting to create or edit a Hyperfind, the Add and Edit buttons were grayed-out for the
*WFD-4380*    "Employment Status" condition.

FLC-65852/    When users navigated within the Control Center and selected a Hyperfind, they received the
*WFD-4250*    following error and no page was loaded:

   "The requested URL was not found on the server."

FLC-65312/    Header information (Time Period, Query, Executed On, and Printed For) was missing from several
*WFD-3732*    reports, including Accrual Detail, Employee Hours by Job, Exception Hours by Location, and Actual
   vs Scheduled by Job.

FLC-64998/    An "OutofMemory" error in was appearing in a PRD environment.
*WFD-4463*

## Scheduler

FLC-70213/    Multiple users were unable to log into CFN tenants. These tenants did not belong to same WFM.
*WFD-5044*

FLC-69135/    Schedule transfers were appearing in the schedule and the timecard with the User as "System" for
*WFD-4872*    no known reason.

FLC-68599/    No open shifts were displayed for the selection for locations other than the open shift for the
*WFD-4784*    employee's primary job.

FLC-67550/    The `global.WtkScheduler.notifyWarningRuleViolations` system setting
*WFD-4590*    (**Administration >Application Setup > System Configuration > System Settings > Global
Values**) has been removed.

FLC-67178/    The Manage Schedule tile listed the time of the first break during the time of the second break.
*WFD-4498*

FLC-66879/    When a shift template was configured with a comment and/or note and then inserted into Schedule
*WFD-4453*    Planner, the comment and/or note were removed.

FLC-66775/    After running an Audit Report for the schedule matrix, deleted entries were not listed. The Audit
*WFD-4439*    Report should return additions, changes, and deletions in order to track important changes to the
   application.

| | |
|---|---|
| FLC-66760/ WFD-4435 | A shift was incorrectly available to be requested to swap when an Employee Role was not assigned to an employee. |
| FLC-66749/ WFD-4441 | Adding employees to a group from Schedule Planner resulted in a significant delay for the schedule groups to load. |
| FLC-66645/ WFD-4397 | After changing an employee's primary job assignment to a new location that took effect on a certain date, Schedule Planner listed both the old and new locations on the effective date instead of only the new location. |
| FLC-66379/ WFD-4359 | The Retrieve Sorted or Eligible Employees (POST `/v1/scheduling/staffing_ assistant/apply_read`) API operation incorrectly required the location specified in the request to be part of the calling manager's allowed location set. |
| FLC-66289/ WFD-4362 | When employees viewed My Calendar, holidays were not displayed consistently. |
| FLC-66283/ WFD-4352 | When a shift crossed midnight and spanned over 2 days, the results of a paycode edit made to an employee's schedule were different depending on whether the edit was made by the APIs or through the user interface. |
| FLC-66019/ WFD-4283 | Generating a shift in Schedule Planner or as a batch job at the store level took 30 minutes or more to run for a week where a schedule was already generated. For a week where the schedule had not been generated, the Schedule Generator took upwards of 12 minutes to run. |
| FLC-66012/ WFD-4286 | After assigning a break in Schedule Planner, the following error appeared: "Error when assigning breaks in Schedule Planner: No solution found. Please check in the rule violations dialog if there are no optimization rule violations." Users can now add a break without receiving this error. |
| FLC-65971/ WFD-4270 | When an employee worked a scheduled day for a time specified in the employee's work rule assignment, the wrong work rule was assigned. |
| FLC-65965/ WFD-4214 | After assigning a holiday to a Location Profile that was not configured in Holiday Setup, the holiday name that was causing the error did not appear in the ensuing error message. |
| FLC-65643/ WFD-4196 | After changing a pay-from-schedule employee's shift by entering a paycode in Schedule Planner, and then changing the paycode, Schedule Planner erroneously listed a transfer to the employee's primary job in the timecard. |
| FLC-65538/ WFD-4194 | When employees using the "All Calendars" Profile accessed the Leave Calendar, an error appeared. |
| FLC-65176/ WFD-4111 | When attempting to create or export a Location Profile with "Selectable at Logon" enabled, the following error was generated: "A system error was detected. {propertyValue}." After saving a Location Profile, the following other error appeared: "The cache encountered an error while reading the information from the database - Cache: SETTING." |

FLC-64913/ When users initiated schedule requests, the server was slow to respond, which caused alerts to be
*WFD-3925* generated.

FLC-64793/ Labor Category transfers defined in the Pattern Template editor and the Shift Template editor
*WFD-4039* (**Administration > Application Setup > Scheduler Setup**) did not use the logged-in user's Labor
Category Profile, specifically:

• After creating a Shift Template with a Labor Category Transfer, the manager had access to the "All
Labor Categories" Labor Category Profile and could create shifts with transfers for their employees
that caused an error because the Labor Category Transfer may not have applied to the employee.

• After creating a Pattern Template that included ad-hoc shifts with Labor Category Transfers, the
system used the Employee Role Labor Category Profile instead of the manager's Labor Category
Profile. If the manager was not assigned an Employee Role Labor Category Profile, the Labor
Category Transfer Option was grayed-out when creating a shift in the Pattern Template Editor.

## Timekeeper

FLC-71088/ When employees transferred from their home location in to a job and labor category different from
*WFD-5202* their primary labor category and then transferred back to their home location and job and primary
labor category, the Totals tab listed hours against the incorrect labor category.

FLC-71066/ When an employee worked a shift greater than 24 hours, the hours from that shift are not exported
*WFD-5199* in the `v1/commons/data/multi_read` API.

FLC-70243/ When an employee transferred from their home location and job to another location and then
*WFD-5047* transferred back to their home location and job, the incorrect location and job appeared in the Totals
tab for the home location and job.

FLC-69118/ An employee was excluded from totalization, and attempts to resubmit the employee failed.
*WFD-4876*

FLC-68142/ Multiple threads were blocked on
*WFD-4707* com.kronos.wfc.totalizing.business.persistence.PreloadableCacheMT flush().

FLC-67882/ When two consecutive shifts for an employee crossed the day divide with punches at midnight
*WFD-4646* (12:00am) the timecard mixed the two punches together in a way that did not make sense when
viewing the timecard. When the second shift had its first punch/transfer after midnight, following an
actual midnight punch, the timecard shifted the punches from the previous day to the next day,
making the punches from both days staggered.

FLC-67789/ An employee had the same historical correction created every time they were signed off or the
*WFD-4623* timecard was edited. Once a historical correction is acted upon, it should not be generated every
pay period or with every timecard edit going forward.

FLC-67715/ A ConcurrentModificationException encountered while accessing a Treemap object.
*WFD-4624*

FLC-67650/ In the timecard Accruals tab, hidden accrual totals were not visible for managers despite the fact
*WFD-4597* that the managers had the FAP for viewing hidden accrual codes set to allowed.

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| FLC-67630/ WFD-4600 | For employees who were assigned an Employment Term that contained an accrual profile, the employee's People Information page did not reflect the accrual profile from the Employment Term as it should have. |
| FLC-67536/ WFD-4565 | Following an upgrade to Workforce Dimensions R4.7.0, wage amounts were not rounding as they had in previous versions. For example, a wage amount of 284.585 had previously rounded up to 284.59, but was rounding down to 284.58. |
| FLC-67447/ WFD-4558 | Several changes were made to improve the processing speed for group edits, including enabling group edit batch processing with the following: |
| | "commonapp.groupedit.business.batch.GroupEditBatchRequest.GroupEditChunkSize=50 |
| | GroupEdit.ChunkSizeRequired=true" |
| FLC-67241/ WFD-4534 | Managers were unable to approve overtime for the last day (Sunday) of the previous pay period. |
| FLC-67275/ WFD-4529 | The last day of the employee's pay period was not counting towards the Current Pay Period hours. They hours were being incorrectly allocated to the next pay period instead of current pay period, despite the pay policy configuration. |
| FLC-67144/ WFD-4504 | In some cases, Timekeeping timecard and punch API operations incorrectly allowed punches to occur within the same minute without flagging subsequent punches within that same minute as duplicates. |
| FLC-66699/ WFD-4421 | For Canada Statutory Holiday pay, Paycodes that used a money unit were not contributing to the average wage calculations. |
| FLC-66697/ WFD-4429 | For one employee on a specific date, historical corrections that were already acted on still appeared on the Historical Corrections tab in the timecard. |
| FLC-66544/ WFD-4407 | Punches that crossed the midnight day divide did not display the date of the actual punch in the Punch Actions menu. |
| FLC-66519/ WFD-4399 | When performing a transfer from the timecard, the labor category entries did not appear in alphanumeric order as expected. |
| FLC-66518/ WFD-4391 | When the Time Detail Report was run for a date range, a day from outside the date range was being returned because the range contained hours that crossed the day divide. For example, for the 04/22/19 - 05/05/19 range, 04/21/19 was also being returned. |
| FLC-66463/ WFD-4377 | An employee had duplicate historical corrections with the same effective date and edit. |
| FLC-66400/ WFD-4338 | In a project timecard, when users right-clicked on any schedule date, the Paycode Actions glance opened. When clicking the Edit button, the panel opened with the "actions.editPaycode.paycode \| property" message. |
| FLC-66275/ WFD-4345 | The Background Processor did not include two employees in its calculations and, in its calculations, pay period totals on the totals tab did not consistently match the totals on the timecard. |
| FLC-66089/ WFD-4303 | After changing the name of a Labor Category Entry, the updated name was not reflected in People Information and any edits made within People Information caused the following error to appear: |

"Error laborcategory-commom: 14."

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| FLC-66067/ *WFD-4300* | Totalizer Background Processor (BGP) exception alerts occurred intermittently. |
| FLC-65960/ *WFD-4274* | When attempting to reset accruals for an employee from the timecard using an Internet Explorer browser, the process did not complete and the page froze. |
| FLC-65909/ *WFD-4261* | When a user was assigned a FAP with Display Projected Punches set to Allowed, and that user attempted to call the Update Timecard–Manager (POST `/v1/timekeeping/timecard`) API operation with actual punches in the request body, a "Duplicate Punches are not allowed" error incorrectly appeared. |
| FLC-65907/ *WFD-4260* | When viewing a specific Dataview for the previous pay period or the current pay period, the following error appeared for some users:<br><br>"WCO-106000 Request processing failed. Detailed Information - java.lang.NumberFormatException: For input string: \"705:133:\"" |
| FLC-65478/ *WFD-4179* | A manager making edits to an employee's signed-off time was repeatedly receiving notifications in the control center every time an edit was made. |
| FLC-65264/ *WFD-4147* | One employee would not totalize due to an SQL duplicate key error on `projected_total_pkey.` |
| FLC-65107/ *WFD-4127* | When users ran the Hours By Segment report it generally completed without a problem. However, at certain times of the day the report failed after multiple attempts with the following error:<br><br>"WFP-114011 :: Error occurred in run report processing. Please contact System Administrator."<br><br>If users continued to try to run the report at these times, it sometimes would run, but often only after 30 minutes of trying. |
| FLC-64519/ *WFD-3936* | Users who have a schedule could see projected break and out-punches in their timecards when the access control point for **Employee > Timecard Editor for Employees (My Timecard) > Display Projected Punches** in their function access profiles (FAPs) was set to Disallowed. The same behavior was seen for managers when the access control point for **Manager-Department Manager > Timecard Editor for Managers> Display Projected Punches** was set to Disallowed in their FAPs. Regardless of this restriction, both employees and managers could see the projected punches for Today. |
| FLC-64392/ *WFD-3953* | Comments added to exceptions within a timecard disappeared after the manager reloaded the timecard after saving the comments. |
| FLC-64243/ *WFD-3922* | In People Information, when making edits for one specific employee the user received the following error appeared upon save:<br><br>"WFP-01280 This field does not allow a null value. Field name: HomeAccountHistID." |
| FLC-63364/ *WFD-3773* | The Time Zone option for Business Structure Locations was not fully implemented and has been removed by default from the Location panel. For certain user's that need to include the time zone for display purposes only, it can be turned on with the Business Structure system setting site.BusinessStructure.DisplayTimeZoneField. |

| FLC-62079/ WFD-3535 | The Create Labor Category Entries (POST `/v1/commons/labor_entries/multi_create`) API operation did not previously support partial success (HTTP code 207) responses and would fail the entire request body if any single entity within an array failed. |
|---|---|
| FLC-61369/ WFD-3419 | When an attestation workflow only included script and/or API tasks without any forms, the process failed at data collection devices and punch tiles. |
| FLC-61052/ WFD-3362 | In the timecard and on the Schedule Planner Audits add-on tab, when using the filter with the IN condition for Date results were inconsistent and included unexpected values. |
| FLC-57899/ WFD-2903 | The Create Labor Category Lists (POST `/v1/commons/labor_category_lists/multi_create`) and Update Labor Category Lists (POST `/v1/commons/labor_category_lists/multi_update`) API operations did not previously support partial success (HTTP code 207) responses and would fail the entire request body if any single entity within an array failed. |
| FLC-48289/ WFD-3510 | The Timecard tile was showing incorrect exception counts. |

## Universal Device Manager

| FLC-68583/ WFD-4777 | When users ran an attestation workflow from a device, the workflow did not set the UDM time zone variable. The Null time zone variables caused incorrect data to be sent to UDM. |
|---|---|
| FLC-67350/ WFD-4544 | When an administrator ran scheduled Device Updates with the "Employee totals" option selected and the device totals included paycodes, the updates failed with the following error in the server log:

"Accruals' can occur a maximum of '7' times in the current sequence."

When the administrator ran updates with "Employee totals" deselected, the updates were successful. |
| FLC-66780/ WFD-4450 | A UDM device initialization event hung in the "preparing" phase for nearly an hour until it failed with the message:

"org.hibernate.StaleObjectStateException: Row was updated or deleted by another transaction (or unsaved-value mapping was incorrect)." |
| FLC-64884/ WFD-4058 | Attempts to initialize a large number of devices from UDM failed with the message, "Unable to communicate with customer's host system", even though the devices showed that UDM successfully communicated with them. |

# 6/21/19 (R4.8.0)

The issues below were resolved for R4.8.0.

## Attendance

| FLC-68835, FLC-66013/ WFD-4287 | When attempting to apply Attendance rules, the following error appeared:

"Unknown Error. Please contact the Administrator." |
|---|---|
| FLC-65834/ WFD-4238 | When selecting GO on the Manage Attendance tile to open the Details for when a policy action is required, a banner appears at the top. The banner has a caution icon, the text for the Warning |

Action required, and an "X" to close the Details window.

The window's margins were too wide to accommodate the caution icon, so the text appeared to be cut-off. This margin issue also impacted the location of the "X" in the right corner to close the window.

FLC-64453/ WFD-3967 The event manager "Workforce Attendance Processor" event and the "Processor Event Manager" (under Attendance Setup) were not working.

## Common Business

FLC-65412/ WFD-4170 When viewing Accrual Profiles in People Information, the End Date was not respecting the correct locale date format and kept reverting to a US date format.

## Common Components

FLC-65555/ WFD-4199 For some users, when attempting to update the expiration date for a Location on the Business Structure to a date in the future, an error message appeared.

## Forecasting

FLC-68043 The Forecast Labor hours did not match the forecasted hours displayed on the Metrics Tab in Schedule Planner.

FLC-66542/ WFD-4404 The run time of the processing of group edits was poor because they were queued behind Scheduling and Forecasting batch jobs. Group edits now have the highest priority.

FLC-64520/ WFD-3988 An import of Labor Standards to the PROD or WAT environment that was initiated by an API call returned a NULL pointer exception, although it had succeeded in the NXT environment.

FLC-64114/ WFD-3889 64114 When users ran the Repair Generic Categories batch task, the following error was displayed in the batch job list:

"null Parameters (categoryList=119031 - Northlake BTB, COUNT = 1)."

## Integration Hub

FLC-67543/ WFD-4587 A Telestaff Schedule Import was unable to transfer a shift and a paycode edit on the same day.

FLC-64983 An Integration Designer link will now open in new tab instead of Iframe, due to Boomi discontinuing its support for opening designer link URLs in IFrame.

## Leave

FLC-64791/ WFD-4051 When employees submitted a Leave of Absence Case, is seeing inactive Leave Reasons were appearing in the drop-down.

If they attempted to submit the Leave Case, the following error appeared:

"Error The leave case reason is not active."

## Platform

FLC-68477/
WFD-4770
Cloning or refreshing a tenant was failing with the following error:

"Reports failed to Clone. WFP-114253 Error occurred in cloning."

FLC-68068/
WFD-4691
The timeframe for a scheduled report differed from what had been initially-selected when opening the reporting job panel.

The raw total by calendar day did not return ONLY the hours worked on that day. It was expected that when an employee shift spans the day divide, the hours would be split based on the calendar day. This issue affected the hours exported from Reports/Dataviews based on the calendar day.

FLC-66885
Tenant provisioning was failing for the report component of the Tenant Management System (TMS) with an "OUT OF BOX TEMPLATE" error.

FLC-66792
Performance of the Tomcat batch process that looks for work requests required that the polling interval be changed from 60 seconds to 20 seconds.

FLC-66730
An API cluster has been added on WFM, and all calls will be routed from Gateway for WFM, to this cluster. These will no longer land on WFM back-end nodes.

FLC-64948/
WFD-4090
After including a "user" parameter when running the Security Audit report, the resulting report did not include variations of the User field as expected (for example, GBLOOM, gbloom, GBloom, gblooM).

FLC-64506/
WFD-3986
When a Business Process Manager attempted to send a notification, the following error appeared:

"This task has failed runtime Validation and cannot be completed."

FLC-64485/
WFD-3979
When managers accessed the Control Center and clicked on the Workforce Dimensions main menu icon, the menu did not display. The screen became unresponsive and needed to be refreshed. Once it was refreshed, the main menu was available.

FLC-62378/
WFD-4070
When an employee canceled a time-off request, the manager received a notification in Control Center, but could not delete them or mark them as read. As a result, canceled requests continued to increase the manager's notification count.

In addition, when a manager submitted a time-off request for an employee and its Subtype was configured with manager notification, but not the Approval Setting, the manager received a new Employee Request notification in Control Center, but could only cancel it. Otherwise it remained as unread and apparently requiring action.

FLC-62007/
WFD-3521
The Time Detail report failed with the following error when it was using the All Home Hyperfind query for the previous pay period and exported to Excel:

"WFP-114355 : Error occurred in establishing connection with reporting server. Please contact System Administrator."

## Scheduler

FLC-69661/
WFD-4971
Navigating to Open Shift Request was causing an outage from a tenant.

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| FLC-68397/ *WFD-4756* | The Indicators tab in Schedule Planner listed an incorrect value for Daily Total Hours. This issue occurred for home employees and transferred-in employees. |
| FLC-67738/ *WFD-4630* | Paycodes configured as "Non-Productive" scheduled hours were erroneously counted toward scheduled hours in the Metrics add-on. |
| FLC-67100/ *WFD-4493* | When the Schedule Generator system setting `site.scheduling.schedGen.business.modules.shiftenumerator.Resolution` was set to 30 minutes, the Schedule Generator created shifts with start and end times of 15 or 45 minutes. |
| FLC-66809/ *WFD-4457* | When attempting to edit or delete a manually-entered shifts from the Schedule tab for an open schedule period, the following error appeared:<br><br>"Error: Some Unknown Error Occurred. Error Details not Available."<br><br>This issue was occurring for multiple employees. |
| FLC-66685/ *WFD-4423* | When using the Schedule Generator in Schedule Planner, shifts were created for minors that violated the minor rule set. A <bold>No Save<> rule violation should have been generated. |
| FLC-66064/ *WFD-4162* | When users removed the Start time when submitting a Time Off request through Advanced Options, the Start time was displayed as blank instead of as a default time. |
| FLC-66034/ *WFD-4297* | Employees were not transferred to an available job, which meant that the headcount requirement was not met. |
| FLC-65912/ *WFD-4264* | A rule violation displayed 1 hour later than the amount configured in the Maximum hours per day that the employee can be scheduled setting in the Schedule Rule Set (**Administration > Application Setup > Scheduler Setup > Schedule Rule Sets**). |
| FLC-65899/ *WFD-4252* | After submitting a time-off request from the Time-off Request tile, the request did not complete. |
| FLC-65556/ *WFD-4193* | The Coverage add-on in Schedule Planner did not display the correct planned coverage for 11:45PM-12AM (which crossed the day divide). |
| FLC-64955/ WFD-4094 | The Retrieve Sorted or Eligible Employees (POST `/v1/scheduling/staffing_assistant/apply_read`) API operation incorrectly returned an error when a terminated employee's date of termination fell between the start date and end date specified in the request. |
| FLC-64781/ *WFD-4040* | When employees were Self Scheduling an Open Shift, My Calendar was adjusting the shift time of selected shifts and showing it incorrectly. |
| FLC-64780/ *WFD-4053* | The Schedule Planner displayed terminated employees or employees younger than 18 with red informational text that extended outside the frame of the Employee Name cell. |
| FLC-64615/ *WFD-4009* | After running the Location Schedule Detail - Weekly report, the rows for some employees were duplicated. |
| FLC-64365/ *WFD-3955* | After correctly adding/updating patterns or adding/deleting individual shifts in Schedule Planner, the following error appeared when managers attempted to publish the schedule:<br><br>"Object References Must Contain Either ID or Qualifier." |

FLC-64364/    When attempting to create a minor rule set (from **Administration > Application Setup > Scheduler**
*WFD-4348*    **Setup > Minor Rule Sets**) for one age group, the system did not allow the user to select another
age group.

FLC-64317/    The Retrieve Schedule (POST `/v1/scheduling/schedule/multi_read`) and Retrieve
*WFD-3938*    Employee Schedule (GET `/v1/scheduling/employee_schedule`) API operations did not
correctly process the orderBy property.

FLC-63688/    The Add Group Membership (POST `/v1/scheduling/group_`
*WFD-3818*    `schedule/assignments/apply_create`) and Remove Group Membership (POST
`/v1/scheduling/group_schedule/assignments/apply_delete`) API operations
failed to process schedule groups identified by name in the qualifier when the names of those
schedule groups are also the names of employment terms.

## Timekeeper

FLC-69824/    In the timecard, after selecting a date range and then justifying missing time, the missing time status
*WFD-5116*    did not reflect the selected duration paycode and remained auto-resolved and unjustified. The
Historical Corrections add-on was also not working in this scenario.

FLC-68573/    A few employees were not totalized. When resubmitted, they were listed as excluded employees.
*WFD-4766*

FLC-67300/    Shortfall hours were incorrectly calculated from a Zero Hours Cascade Pay Code Edit (PCE).
*WFD-4539*    Shortfall hours were being generated for an employee on a week when they should not have been.

FLC-67229/    Shortfall hours appeared Incorrectly in the employee's timecard depending on time period selected,
*WFD-4528*    on whether a Range of Dates or a Previous Pay Period was selected.

FLC-66715/    The Labor Category for existing shifts/punches was not updating to the employee's new assigned
*WFD-4425*    Primary Labor Category.

FLC-66521/    The Totalizer repeatedly failed to process a single employee due to the following error in its log:
*WFD-4394*
'"java.lang.NullPointerException": [["HoursWorkedReadOperation.java", 327, "com.kronos.wfc
.totalizing.business.persistence.segments.HoursWorkedReadOperation$PersistedHoursWorked.
getPrimaryOrgJobId"], ["HoursWorkedReadOperation.java", 160,'

FLC-66705/    For one employee on a particular date, when adding the Sick paycode manually in the timecard one
*WFD-4434*    minute was removed from the total daily hours.

FLC-65732/    A few employees were not re-totalizing when resubmitted in the Background Processor (BGP).
*WFD-4226*

FLC-65627/    When editing pay codes or work rules in Data Access Profiles, the named user Super and the
*WFD-4191*    Service Level 3 login received the following error:

"HTTP Status 400 - Bad Request

Type = Status Report

Message Invalid Path / CampMisconfiguredGdapSetError was requested

Description The server cannot or will not process the request due to something that is perceived to be a client error."

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| FLC-65253/ WFD-4142 | Transaction Assistant was showing some errors for an Accrual Reset Ipack integration that were actually valid records and should not have appeared in Transaction Assistant. |
| FLC-65177/ WFD-4135 | The Absent Employees report did not list exceptions in chronological order as expected. |
| FLC-65167/ WFD-4130 | The On Premise column in a Dataview showed some employees as on premise even though they had punched out for the day. |

FLC-65005/ When a manager opened a timecard for the date range of 4/12 to 4/18 and manually added
WFD-4097 punches for 4/18, the following error appeared:

"You cannot make this edit because the edit affects totals outside the loaded time frame. Change the time frame to include the affected date and try again. Date affected: 4/11/2019."

However, no changes to the totals were visible when the manager added 4/11 to the date range.

FLC-64994/ On the My Notifications tile, when users clicked Timekeeping Request, the following error
WFD-4095 appeared:

"Page Not Found The requested URL was not found on this server."

This also occurred when clicking My Notifications from the Control Center.

FLC-64875/ In the Employee Sign-Off report, the following error message was displayed on each page:
WFD-4072 "WFM-COMMON-1234-Failed to retrieve some data from the providers (Sign off Date, Signed Off Through Date, Previous Pay Period, Sign Off Indicator, Sign Off Pending Indicator)."

FLC-64863/ When reviewing the Job Data Details for a certain location or job, the hours in the Dataview were
WFD-4061 correct but when attempting to view the contributing employees from the Job Data Details, the following informational message appeared:

"Employees are excluded from the data below based on your assigned Employee Group. You are seeing only those employees you are permitted to view."

Some employees were excluded from the Job Data Details list even when the user's employee group had access to these employees.

FLC-64705/ If an employee's current primary job has expired, and the employee was assigned a new primary job
WFD-4035 that was future-dated, labor category transfers in the timecard in the date range of the future-dated primary job logged the error: "Location or Job not found: Location/Job: 103, where Location/Job:103 does not exist." The error message should have been clear and concise, and report that the error resulted from the employee having a primary job that has been inactive for some period.

FLC-64678/ In **Application Setup > Pay Policies**, after adding a new holiday for 2019, if using the Select
WFD-4026 Holiday page to add the same holiday to a subsequent year, the date format was incorrect. Instead of DD/MM/YYYY, the format was MM/DD/YYYY.

FLC-64629/ Shortfall Timecard Totals were not matching the Timecard Grid (Daily Totals), Totals Tab and
WFD-4019 Accruals tab. Specifically the following inconsistencies were occurring:

• Shortfall Hours "Amount" and "Daily" columns did not always match.

• Shortfall Hours did not always appear on the Totals tab.

• Shortfall Hours sometimes appeared incorrectly on the Totals tab; Projected Shortfall hours were appearing on the Totals tab instead.

• Shortfall differed for scheduled vs. non-Scheduled employees

• Shortfall hours (Accrual Takings) on the Totals tab were not reflected on the Accruals tab. However, the Totals tab appeared to be incorrect and the Accruals tab appeared to be correct.

Manager timecard edits impacted how Shortfall was displayed.

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| FLC-64401/ WFD-3961 | In the Accrual Detail report, the value in the Amount (Days) column was incorrect as the calculation for the value was using a standard day length of 8 hours and in some cases the accrual code value for hours per day was not 8 hours. |
| FLC-64400/ WFD-3948 | In the timecard, some purple indicators associated with transfers did not appear. |
| FLC-64161/ WFD-3900 | In the timecard, when editing an existing punched shift to add punches for a meal, after saving, the following invalid error message appeared: "Duplicate Punches are not allowed." |
| FLC-64042/ WFD-3879 | In a Pay Period Close Dataview, when running the Missed Punch Hyperfind some employees incorrectly showed as having a Missed In Punch or Missed Out Punch exception. These employees did not have this exception in their timecard, they only had an exception comment of Missed Punch. |
| FLC-63577/ WFD-3802 | When attempting to update the primary job for an employee in People Information, upon save the following error appeared: "WFP-00924 Gaps of time between date ranges are not allowed - Expiration: [date], Effective: [date]." |
| FLC-62471/ WFD-3591 | 62471 The Retrieve Data (POST `/v1/commons/data/multi_read`) API operation could in rare circumstances incorrectly return an empty response when one of the passed Data Dictionary keys returned a null value, but other keys returned valid values. |
| FLC-61024/ WFD-3353 | When using SDM to transfer Known Locations from source to target, an error appeared stating the location did not exist, and the configuration data transfer was not successful. |
| FLC-59356/ WFD-3087 | When performing payroll processing and using the arrows to scroll from one employee timecard to the next, information in the timecard grid did not change and totals in the Totals tab did not update. |
| FLC-48289/ WFD-3510 | The Timecard tile was showing incorrect exception counts. |

## Universal Device Manager

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| FLC-65336/ WFD-4155 | The Last Action and Next Action fields for devices in the Scheduled Actions grid were inaccurate when viewed in the accounts of named UDM users. |

# 5/31/19 (R4.7.0)

The issues below were resolved for R4.7.0.

## Common Business

FLC-66237/ WFD-4339   A Workforce Dimensions HCM Payroll Export was missing employees. The iPack has been updated to use the current logged-in user authentoken.

FLC-64530/ WFD-3997   After a job's path in the Business Structure was updated, the Retrieve Persons (POST `/v1/commons/persons/extensions/multi_read`) API operation could return an old primary job path rather than the current primary job path. The user interface always showed the correct and up-to-date primary job path.

FLC-64179/ WFD-3903   In People Information, when attempting to make changes to an employee's primary job information, upon save the following error appeared:

"Error WFP-01298 An unexpected non-SQL system error has occurred. Please contact your system administrator. The system log file may have more detailed information that will be required to troubleshoot this issue."

FLC-51132/ WFD-1994   Support has been added of Schedule Groups and Effective Dating into Workforce Dimensions HCM Person Imports.

## Common Components

FLC-64876/ WFD-4073   Locations on the Business Structure were not appearing in numeric order when setting up locations or when creating Hyperfinds and Organizational Sets.

FLC-64488/ WFD-3980   The function of a moved location's effective dates was not clear from the Paste Location panel. The effective dates are for the move operation only and a message has been added to the Paste Location panel to provide more information. In addition, the labels for the effective dates have been updated to read Move Effective Date and Move Expiration Date.

## Information Access

FLC-63692/ WFD-3813   The line chart did not sort by category, so the date was not displayed in the desired order.

## Integration Hub

FLC-66096/ WFD-4308   When the Telestaff People Export integration did not map Custom Fields correctly. The integration now applies sorting of custom fields before mapping; this corrects the mapping.

FLC-65903/ WFD-4262   A Person Import integration took a long time to run, due to an API posting into the application taking a long time to process. This integration will now complete in a timely manner.

FLC-64983   An Integration Designer link will now open in a new tab instead of in Iframe, due to this URL Iframe support being discontinued by Boomi.

FLC-64407/   Payroll Based Journal (PBJ) integrations were unable to handle an employee who is hired and
WFD-3968   terminated on the same day with hours that need exporting. The lack of logic was causing the
integration to fail for every facility as it was pulling all employees from the Hyperfind.

## Key Performance Indicators

FLC-65260/   The KPI processor thread, which populates Dataviews in real time, was blocked by rolling pay
WFD-4150   period event in WFM, and was not able to update the Dataviews as scheduled.

## Leave

FLC-64552/   The Send Notification by ID (POST `/v1/platform/messaging/generic_`
WFD-3983   `notifications/{id}/notify`) and Send Notification by Event Type (POST
`/v1/platform/messaging/generic_notifications/notify`) API operations
incorrectly stated that the recipientPersonNums parameter accepted person numbers rather than
person IDs.

## Platform

FLC-66044   Low latency Integrations failed when 5 batch processes were already in an "In Progress" state.

FLC-65272   The ability to delete a person (from People Information, a Dataview, or API) was temporarily
unavailable.

FLC-64319/   The Send Notification by ID (POST `/v1/platform/messaging/generic_`
WFD-3952   `notifications/{id}/notify`) and Send Notification by Event Type (POST
`/v1/platform/messaging/generic_notifications/notify`) API operations
incorrectly emailed workflow notifications every two minutes. This behavior continued even if the
recipient marked the notification as reviewed.

FLC-63050/   When the account that was being used to send Manager, Pay Period Based Notifications to
WFD-3710   managers did not have access to all Hyperfind queries in the system, notifications were not being
sent to managers.

FLC-62117/   When creating a custom report that uses multiple columns that use the same entity, the same data
WFD-3506   displayed. For example, using the phone number column several times in the report displayed the
same phone number instead of the expected different phone numbers.

## Scheduler

FLC-66984/   Users were unable to edit a pattern applied to a Schedule Group, and the following error appeared:
WFD-4475   "Error :Some Unknown Error Occurred. Error Details Not Available."

FLC-66646/   When viewing by schedule group in schedules, it failed with the following error:
WFD-4424   "Some Unknown Error Occurred. Error Details Not Available."

FLC-66303/   When running the Event Manager jobs "Reprocess Scheduling KPI" and "Process missing
WFD-4364   Scheduling KPI," a large number of tasks were listed with "Waiting" status.

| FLC-65979 | After selecting Select Locations from Schedule Planner or Business Structure Setup, the As of Date field was populated as "Select a date" and the following error appeared: |
|---|---|

"The date Invalid date has a wrong format."

"WFP-00924 Gaps of time between date ranges are not allowed - Expiration: 13/11/2017, Effective: 10/01/2019."

| FLC-65918/ WFD-4258 | When a schedule was generated for "employee shifts only" with Shift Profile Sets, the minimum hours rule for some employees was not used and no shifts were scheduled for these employees. |
|---|---|
| FLC-65849/ WFD-4219 | Editing the Staffing Matrix resulted in the following error and users were unable to edit the matrix: |

"You have specified a matrix day range type that requires shifts or zones to be assigned to the associated location, but the selected location does not have any assigned to it."

| FLC-64944/ WFD-4089 | When generating a schedule from Schedule Planner, the schedule generator failed with the following error: |
|---|---|

"Error Generator failed. Engine exception : {cause} running Schedule Generator."

| FLC-64710/ WFD-4034 | When using Schedule Planner in the Employment Terms view with no inheritance, schedule patterns were assigned to all employees. This caused duplicate schedules for employees who were also assigned to schedule groups that allowed schedule inheritance. |
|---|---|
| FLC-64630/ WFD-4018 | When entering shifts into an employee's Schedule Pattern, sometimes the values that were entered were not accurately recorded into the Schedule Pattern. |
| FLC-65257/ WFD-3617 | An employee's punches were passed from the InTouch device to UDM correctly, but when they were passed to the WFM the punches were added to the timecard of an employee with a different badge number. Transaction Assistant allowed the exception and did not recognize the invalid badge number. |
| FLC-64217/ WFD-3907 | When executing the API body for POST request /api/v1/scheduling/schedule, the API response returned a error, but the status code was "200 OK," which indicated a successful update, instead of "404" to indicate that the post was not successful. |
| FLC-63562/ WFD-3799 | After using Setup Data Manager (SDM) to move a Schedule Zone Set from one tenant to another where the same assigned location existed in both the source and target tenants, the Schedule Zone Set could no longer generate the workload from the location's staffing matrix. A new effective date is now created for the assigned location in the target tenant to enable the location to generate the workload from the staffing matrix. |
| FLC-63351/ WFD-3752 | After adding a schedule pattern to an existing schedule group, then creating a new employee and adding the employee to the schedule group, the employee's schedule and timecard were not populated with shifts. |
| FLC-61473/ WFD-3432 | When employees used the Time Off Tile to select dates for their Time Off Request, and then clicked Submit, the request was never submitted. |

## Timekeeper

| FLC-66402/ WFD-4369 | When attempting to view timecards for employees with specific punch round rule settings, the following error appeared for managers: |
|---|---|

"NGUI-00090 Internal error. Please, contact your administrator."

| | |
|---|---|
| FLC-65741/ WFD-4233 | When a work rule transfer was applied to a segment of a shift, that transfer did not appear in the timecard. If the same work rule transfer was applied to the entire shift, the transfer appeared in the timecard. |
| FLC-65326/ WFD-4163 | In a Dataview, when removing sign-off, approval payroll lock was also removed. |
| FLC-65249 | In the Employee Timecards landing page, when adding an in punch for an employee and then attempting to add a cost center transfer, an error appeared. |
| FLC-65084/ WFD-4119 | When making a paycode edit in a project timecard, projected time was committed along with the paycode edit. |
| FLC-64832/ WFD-4059 | When attempting to open an employee timecard, the following error appeared:<br><br>"NGUI-00186 Internal error. Please, contact your administrator." |
| FLC-64784/ WFD-4052 | For shifts that crossed the day divide, missing punches were generated if paycode edits were applied to the timecard. |
| FLC-64714/ WFD-4038 | If geofencing restrictions were enabled and an employee added a punch to their own timecard, the following error appeared:<br><br>"Error Punch Rejected - No Location Data." |
| FLC-64684/ WFD-4023 | In the Paycode Distribution Editor, when a filter was applied to a list of paycode distribution configurations and then edits were made to the filtered items, after saving if you clicked Show All you would see that the edits were applied to all rows in the list even if they had been filtered out. |
| FLC-64609/ WFD-4005 | When attempting to open an employee timecard for the previous pay period, the following error message appeared:<br><br>"Error NGUI-00088 Cannot find an injector to translate to com.kronos.wfc.commons.commons.exception.ServiceException." |
| FLC-64394/ WFD-3956 | After reviewing and approving pending overtime, the pending icon remained red and an additional overtime segment still required approval. The user then right-clicked the icon and reviewed the overtime, but an error appeared when attempting to approve it. |
| FLC-64313/ WFD-3947 | Managers who used a project timecard could not view geolocation data in a Dataview. If the manager used an hourly timecard, they could view the geolocation data in a Dataview. |
| FLC-64172/ WFD-3898 | When attempting to navigate to a transferred employee's timecard from a Dataview using Go To, the timecard did not load and the following error appeared:<br><br>"Error Hyperfind queryText, QueryID, persons and locations list cannot be empty. Please select any one to execute the hyperfind." |
| FLC-64078/ WFD-3882 | In the timecard, the last day of the previous pay period appeared as the first day of the current pay period and caused several blank rows to appear. |
| FLC-63607/ WFD-3805 | Some employees were excluded from totalization because they were not able to sign-off their timecard or remove sign-off on their timecard. |

| | |
|---|---|
| FLC-63597/ WFD-3804 | On an iOS mobile device, when scrolling through the Reason drop-down list on the My Time Off tile, the paycode values would randomly disappear. |
| FLC-62913/ WFD-3692 | When attempting an accrual reset via the API, the following error appeared, and the reset failed:<br><br>"WTK-135013 No accrual profile assigned or the accrual code is not part of the profile." |
| FLC-62416/ WFD-3592 | The Attestation Report Dataview was not returning any data, and the following error appeared:<br><br>"Information Data within Answer, Question cannot be retrieved. Contact your system administrator." |
| FLC-62014/ WFD-3502 | On a mobile device, after performing a historical correction in the timecard the save button did not appear. |
| FLC-61834/ WFD-3492 | In the timecard, after opening and then closing the Audits add-on, there was a performance degradation for all timecard actions until the timecard was closed entirely and reopened. |
| FLC-61618/ WFD-3455 | When attempting to view timecards, the following error sporadically appeared for managers and administrators:<br><br>"NGUI-00090 Internal error. Please, contact your administrator." |
| FLC-60939/ WFD-3336 | When employees who had geofencing enabled punched in with attestation, a "No Location Data" error appeared. |
| FLC-56301/ WFD-2610 | When using SDM to import an Attestation element (such as an Attestation button) that have the same name in both the source and target tenants, an error was generated instead of the target tenant being updated to match the element name in the source tenant. |

## Universal Device Manager

| | |
|---|---|
| FLC-66396/ WFD-4372 | Attempts to initialize a large number of devices from UDM failed with the message, "Unable to communicate with customer's host system." This defect was a request to increase the timeout value for device initialization until the root cause for FLC-64884 (R4.9.0) was identified and fixed. |
| FLC-65015/ WFD-4109 | A processing error occurred on the UDM server when an employee used one of the following Smart Views on the clock:<br><br>• View Totals<br><br>• Approve Timecard<br><br>• System |

# 5/17/19 (R4.6.0)

The issues below were resolved for R4.6.0.

## Attendance

| | |
|---|---|
| FLC-62183/ WFD-3547 | When exporting a source .zip file from Workforce Central v7.0 to a tenant using SDM, the Attendance Policy and Profile items were returning a "Request Entity too large" error. |

## Common Business

**FLC-64100/**
**WFD-3843**   The multi-read API `/api/v1/commons/persons/job_preferences/multi_read` did not return the data that it was documented as returning in the Developer's Portal.

## Forecasting

**FLC-65550/**
**WFD-4198**   Users were unable to update the business structure when the global.business_structure.restrictions system setting was set to false, and the following error appeared:

"Error: You cannot change the Location category because it may violate business structure."

**FLC-64398/**
**WFD-3964**   Point-of-Sale (POS) Labels and Volume Driver assignments for effective dated locations were not brought over with SDM, even when they were correctly configured in the source tenant.

## Integration Hub

**FLC-65239/**
**WFD-4140**   Payroll Based Journal (PBJ) integrations did not export hours that fall in the next quarter.

**FLC-64005/**
**WFD-3866**   The Universal Accrual Import integration ignored the effective date from the source file and instead used the current date. Now, the integration uses the effective date from the source file.

## Key Performance Indicators

**FLC-65537**   The domain function computation at the Org level was missed in real time events when the entry in the Dimensional group table was not loaded.

**FLC-65268/**
**WFD-4158**   The Scheduled and Projected hours for future dates were not matching in the Actual Spend (By Region) Dataview.

**FLC-65219**   Green cluster nodes making a connection to env rabbit MQ during a WFM rolling upgrade after the "enable as production service" custom action was completed

This was enabling the KPI framework to load onto green deployment nodes. Since there were not any tenants populated in the cache on green cluster nodes, all such events failed to process.

**FLC-62924/**
**WFD-3694**   When used in a Dataview or report, KPIs associated with the Exception Count data source took an unacceptable amount of time to update.

## Leave

**FLC-63977/**
**WFD-3867**   On-Demand Grant button was not displaying for the OFLA Bereavement and the OFLA leave type case.

## Platform

**-66475/**
**-4388**   The OrgMapGroupCache.updateNameObject method was causing performance issues due to the high memory usage caused by its calling getAllLanguageSelections multiple times from the same flow.

FLC-65382/  A response to a `/v1/commons/persons/extensions/multi_read` API request was
*WFD-3997*  returning an incorrect primary job path.

FLC-65320,  An HCM Payroll Export operation failed to create a Payroll Batch file for all employees. Attempts
FLC-64249/  resulted in a variety of different failure messages.
*WFD-3931*

FLC-64193/  The Rabbit message listener failed with the error "ListenerExecutionFailedException" due to a
*WFD-3911*  "WFCEventDBProcessingException" exception.

FLC-63195/  When the Default Tenant time zone was set to GMT +10:00, the Business Structure Location
*WFD-3733*  Selector showed the "As Of" date of the current day in the UTC time zone.

FLC-62796/  When users ran a Hyperfind query with a filter for Attendance Actions, the actions that were
*WFD-3656*  returned were those of the union of three criteria fields: Initiated Date, Completed Date, and Trigger
 Date. The returned actions should have only been those that were associated with the Trigger Date.

FLC-62741/  Scheduled integrations ran on the wrong day after system restarts. Now, the database persists the
*WFD-3647*  schedules so that the system can reschedule the integrations after restarts.

FLC-60855/  The email addresses of all recipients of a group email notification were listed in the CC: field of the
*WFD-3342*  email and were thus visible to everyone in the group.

## Scheduler

FLC-66541/  The run time of group edit processing was poor because they were queued behind Scheduling and
*WFD-4403*  Forecasting batch jobs. Group edits now have the highest priority.

FLC-65633/  When attempting to update the primary job for an employee in People Information, upon save the
*WFD-4209*  following error appeared:

FLC-65484/  When making a change to a Minor Rule, any change to the Minor Rule on any Minor Age tab
*WFD-4187*  appeared to (in the user interface) duplicate the changes to all Minor Ages.

FLC-65385/  After using some Guided Recommendations, the system ran out of memory. The Guided
*WFD-4139*  Recommendations processing was mistakenly using the Team Definition end date to determine
 how far out into the future to gather and process data, which triggered the issue.

FLC-64316/  After manually assigning a schedule pattern to an employee, the assignment was overwritten when
*WFD-3949*  the Schedule Generator was run.

FLC-64186/  After running the "Process Missing Schedule KPI" event, Schedule indicators were empty (zero) for
*WFD-3910*  many existing shifts, or there were incorrect totals.

FLC-64154/  When attempting to submit a Time Off Request (TOR), the following error appeared:
*WFD-3890*
 "You specified a Pay Code Name that you cannot access. Specify another Pay Code Name."

FLC-64018/  In Workload Planner, a location erroneously displayed "Workload over Volume" instead of "Volume
*WFD-3869*  over Workload".

FLC-63959/  When adding a large number of employees to a group in Schedule Planner, the connection timed
*WFD-3859*  out and the word "Error" was displayed. The time-out issue has been addressed but customers
 should assign a maximum of 25 employees to a group at a time.

FLC-63358/ When an open shift was added to a business structure node that did not exist for the effective date of
WFD-3770 the shift, the system did not return an error message and the "open shift" count incremented even
though the shift did not display in Schedule Planner.

FLC-62753/ Users were unable to delete a shift in Schedule Planner, and the following error appeared:
WFD-3646
"Error Shift record(s) not found with given Id(s): xxxxxx."

## Timekeeper

FLC-66540/ Group Edit batch jobs were not assigned the highest priority as they should have been. Therefore,
WFD-4402 the performance was not as expected.

FLC-65364/ Removing a sign-off was also causing the removal of a payroll lock.
WFD-4163

FLC-65255/ For employees who punched-in in a time zone that has daylight savings time and then punched-out
WFD-4146 in a time zone that does not have daylight savings time, the following error message appeared in the
timecard:

"Error 6993: An internal error has occurred with time zones and daylight savings. Try entering the
punches in the same time zone."

FLC-65061/ When viewing a timecard with a date range that included an entire pay period and then signing off
WFD-4117 the timecard, after sign-off if users viewed the timecard again with a selected date range of the exact
dates of the pay period, totals calculated incorrectly.

FLC-64922/ When attempting to apply Attendance Rules on a test employee, the following error appeared:
WFD-4078
"Error No starting balance found for Balance Type needed to process this person."

FLC-64911/ When managers attempted to view employee timecards where the punch round rules Use
WFD-4081 Scheduled Time and Actual and Project Totals were selected for Missed Punch, the following error
appeared:

"NGUI-00090 Internal error. Please contact your administrator."

FLC-64705/ An unknown error message appeared when adding a labor category transfer on a date when an
WFD-4035 employee will have a valid job assigned, but currently did not.

FLC-64537/ In the timecard, for employees with shifts that crossed pay periods, some approved overtime was
WFD-3977 not displayed correctly if the selected timeframe was Previous Pay Period.

FLC-64503/ Some employee timecards could not be opened due to various issues, including punches inserted
WFD-3985 with the wrong time zone which caused totalization failure.

FLC-64287/ When adding a paycode edit in the timecard for an employee who had scheduled time for that day,
WFD-3928 punches were automatically added even though the employee was not set-up with Pay From
Schedule.

FLC-64224/ When running the Absent Employee report, unexcused absences were not included in the report.
WFD-3918

FLC-64176/
WFD-3990

When employment terms were being totalized, if a person number was used and there wasn't a person number that matched the employment term ID, then totalization failed and a high volume of errors was logged on the background processor (BGP).

FLC-63965/
WFD-3861

When managers viewed an employee's timecard, and the employee then opened their timecard and performed sign-off, the manager was still able to make edits to the now signed-off timecard.

FLC-63600/
WFD-3803

After creating a Dataview to view the longitude and latitude of punches, the following error appeared when attempting to open it:

"Information Data within In Punch Geolocation, Out Punch Geolocation cannot be retrieved. Contact your system administrator."

FLC-62527/
WFD-3617

An employee's punches were passed from the InTouch device to UDM correctly, but when they were passed to the WFM the punches were added to the timecard of an employee with a different ID/badge number. Transaction Assistant allowed the exception and did not recognize the invalid badge number.

FLC-62429/
WFD-3599

In an Approval Summary Dataview, if the effective date of a Primary Job fell within the selected pay period for the Dataview, the number of days approved did not show in the Manager Approval Count column.

FLC-62421/
WFD-3596

When running the custom report Hours by Segment, some employee data was missing.

FLC-61656/
WFD-3434

When using the Tab key to navigate cells in the timecard, occasionally data the users entered would disappear.

## Universal Device Manager

FLC-64083/
WFD-3862

When employees used the Soft Key for the View Timecard Online Smart View at an InTouch terminal to view either the current pay period or the previous pay period, they noticed that the total for the pay period was incorrect.

# 5/3/19 (R4.5.0)

The issues below were resolved for R4.5.0.

## Attendance

FLC-62078/
WFD-3524

When an exception and a worked paycode occurred on a specific date, Apply Rules failed on the related Attendance Event (exception and worked paycode) with the following error:

"Error Unknown Error: Please contact system administrator."

FLC-62183/
WFD-3547

When exporting a source .zip file from Workforce Central v7.0 to a tenant using SDM, the Attendance Policy and Profile items were returning a "Request Entity too large" error.

## Common Business

FLC-62789/
WFD-3657

The HCM People Import integration generated errors for terminated employees. Now, the integration correctly processes records for terminated employees by first completing all assignments before termination.

## Common Components

FLC-64796/
WFD-3892

When running a Payroll Export interface with a Range of Dates specified, the output from the interface contained data for dates 1 day behind the specified Range of Dates.

To retrieve the correct output, users needed to enter a Range of Dates with start and end date 1 day later than they actually desired.

## Forecasting

FLC-63780/
WFD-3827

All labor forecasts failed with the following error:

"Text '0006' could not be parsed at index 4" (with '0006' being the store for which the labor forecast being run).

After the failure, users could not attempt reruns without encountering the following error, even though the engine status showed that nothing was currently running.

"Error Duplicate runs are not permitted. The same type of engine run has already been submitted at this forecast location."

## Information Access

FLC-59880/
WFD-3192

On a French-translated Workforce Dimensions system, in the Dataview "Presence sur site", the words "True" and "False" were not correctly translated into French. They will now appear as "Oui" (True) and "Non" (False).

## Integration Hub

FLC-61470/
WFD-3442

The ID column in the list view of the Transaction Assistant was always blank. The Transaction Assistant now displays employee numbers or IDs in the ID column to identify the relevant person.

FLC-55754/
WFD-3415

When running the Transaction Assistance API, a security validation error appeared.

## Key Performance Indicators

FLC-64718/
WFD-3718

The same metric used in two different Dataviews was resulting in different values for the same selections.

## Leave

**FLC-64977, FLC-64814/ WFD-3867**
The On Demand Grant button was not listed as option in Leave Case. It was set up in Eligibility and attached in the leave profile. It was listed for an existing case, but not for new cases.

A check was present which prevented the button from being visible when there were multiple leave types assigned. This check has been removed and the button is now visible.

**FLC-62492/ WFD-3613**
Leave Rule settings changed when using SDM to migrate Leave Rules from one tenant to another.

**FLC-61675/ WFD-3469**
The employee calendar did not show a paid leave type accrual balance change in the event panel. Users needed the paid leave type applied (such as PTO) to be visible as well as the accrual balance (similar to the unpaid leave showing).

## Platform

**FLC-63627/ WFD-4065**
The Attestation Daily Detail report displayed all dates as January 1st, 1970.

**FLC-63613/ WFD-3800**
When an employee was terminated before being removed from the applicable Schedule Group, the Schedule Group assignment end date was not updated and the employee was considered part of the group even after termination. Because of this, the Schedule Group became a partial group, which caused issues when attempting to update the schedule.

**FLC-62494/ WFD-3609**
The Manage Notifications tab did not contain content and has been removed from the Edit Profile page (accessed from the **My Profile tile or Main Menu > Settings > Edit Profile**).

**FLC-63401/ WFD-3780**
The gold data for "Russian Time Zone (GMT +03:00) Moscow; St. Petersburgh; Volgograd" used a Daylight Savings Time (DST) configuration even though Russia dropped DST (also known as Summer Time) in 2014.

**FLC-63215/ WFD-3751**
Employee and job names in standard Scheduler reports in the PDF output were blurry.

**FLC-61741/ WFD-3461**
Duplicate Pay Period Workflow notification emails were being sent out to employees.

**FLC-61589/ WFD-3456**
Attempts to open **Application Setup > Forecaster Setup > Forecasting Category Profiles** or **Application Setup > Forecaster Setup > Category Property Sets** failed with the following error:

"The HTML Framework has detected an exception in the application that you are attempting to access. The exception has not been caught; the application has failed to load. Please contact your system administrator."

## Scheduler

**FLC-64421 WFD-3901**
Following an upgrade to R4.4.0, Schedule Generator was failing to run for locations, and the following error appeared:

"Error Generator failed. Engine exception : {cause}."

FLC-64419/ Schedule Generator Strategies were duplicated for each parent node selected up the business
*WFD-3904* structure.

FLC-64417/ Following an upgrade to R4.4.0, when users attempted to create a new staffing matrix, the following
*WFD-3940* error appeared for each of the jobs:

"The specified Job is not valid for the Location - Job: 624."

FLC-64415/ A Self-Scheduling recurring Visibility Period stopped working after tenant maintenance.
*WFD-3921*

FLC-64095/ When employees submitted a Time Off request on a date or in a date range with a Holiday, the
*WFD-3874* following error appeared:

"Error Some Unknown Error Occurred. Error Details Not Available."

FLC-63580/ After selecting **My Information > My Calendar** from the Main Menu, the calendar opened with a
*WFD-3791* blank screen and no data.

FLC-63103/ When using the Duration (Hours) column in a Dataview, the totals erroneously displayed in seconds
*WFD-3721* instead of hours and minutes.

FLC-62887/ When an Employee submitted an Open Shift Request, the submission notification within their
*WFD-3679* Control Center was set to "Marked Read" by default.

If the Employee was still logged in when the Open Shift Request was approved by Management,
the Control Center displayed a negative value next to Open Shift Requests.

FLC-62491/ After changing schedule patterns, the back-end node CPU spiked to 99% for 18 minutes.
*WFD-3612*

FLC-62469/ When the request body of POST `/v1/scheduling/schedule_pattern_`
*WFD-3581* `templates/multi_read` API was left blank or had an empty collection, no records were
returned. The request now operates as a "find all" and returns all records.

FLC-59885/ After creating a schedule pattern, data related to work rule information became corrupted and
*WFD-3190* system-generated (purple) work rule transfers erroneously appeared in an employee's schedule.

## Timekeeper

FLC-64711/ When running Hours by Segment report, Employee data was empty for some employees. This data
*WFD-3596* is part of the EMPLOYEE entity, but some other columns in the report that also draw from this entity
did populate.

FLC-64605/ Excessive errors in the Background Processor (BGP) were generated by the
*WFD-3990* WFC.PERSISTENCE logged.

FLC-64539/ Punches on the timecard done post-R4.0 appeared as edited on the timecard when entered on the
*WFD-3913* clock.

FLC-64465/ Punches were being committed from the schedule for employees who were not set-up as Pay
*WFD-3928* From Schedule when paycode edits were performed within their timecard on scheduled days. Once
the paycode edit was added to a date with a schedule, the punches appeared on the timecard as if
they were manually added there along with the paycode edit.

| FLC-64090/ WFD-4069 | A "ListenerExecutionFailedException - TimecardEmpApprovalAlertProcessorService.java" error appeared in the timecard. |
|---|---|
| FLC-63944/ WFD-3854 | When creating a new Exception Rule, the Duration Paycode selection option was visible when it should not have been. |
| FLC-63917/ WFD-3846 | In an hourly timecard that showed 4 punch columns and transfers, if users edited the Timecard Settings and deselected the Include Transfer option, when viewing the timecard again, one of the transfer columns was still visible. |
| FLC-63525/ WFD-3793 | When viewing a timecard (specifically with the date range of March 17-23, 2019), when an In or Out punch field was selected, the results were unpredictable (the Punch Actions glance opened without any options to select, a slider opened, or nothing happened). |
| FLC-63331/ WFD-3760 | When attempting to open an employee timecard from People Information, the timecard would not open and an "Error 101: Index: 0 size 0" error appeared. |
| FLC-63132/ WFD-3729 | From the timecard, it took a long time to open Rule Analysis for one employee. |
| FLC-63114/ WFD-3714 | When sending the api/v1/timekeeping/setup/percentage_allocation_rules API request, if a qualifier was used for the job or location, then the following error appeared: "WTK-82553: Data validation exception occurs due to bad input data while request processing. Please verify input data." If the specific job ID or location ID was used, the error did not appear. The request should have accepted either a specific ID or a qualifier. |
| FLC-63051/ WFD-3712 | When attempting to assign a badge to an employee in the (GMT -5:00) Eastern Time (USA; Canada) time zone after 8PM, upon save, the following error appeared: "Error WFP-01602 Start Date cannot occur before Current Date." |
| FLC-62915/ WFD-3693 | Some employees were unable to punch in using the Punch tile and an "Error 347: null" error appeared. In addition, these employees' timecards could not be opened and they were excluded from totalization with the same error message. |
| FLC-62748/ WFD-3649 | When using Payroll Lock, the effective date the user entered was ignored and the system instead used the latest "Sign-off Through Date" for the lock. |
| FLC-62637/ WFD-3628 | Hyperfinds with a condition to return any employee with the comment of "Training" for Amount did not return the correct employees. |
| FLC-62475/ WFD-3605 | When running the Pay Period Close Dataview, an employee whose start day was during the previous pay period (and therefore was not active for the entire pay period) did not have any data in the Total Hours column. |
| FLC-62185/ WFD-3552 | High CPU usage was noted on a specific node. |
| FLC-62056/ WFD-3523 | When a Bonus Rule was set up with the option "Short break exception disqualifies break" set to Yes and a Short Break Exception was triggered, the Bonus exception was not applied in the timecard. |

FLC-60940/ WFD-3270  For a particular employee, a duration paycode that was added to their schedule did not appear in their timecard.

FLC-60757/ WFD-3331  When running the API call v1/commons/data/multi_read with different combinations of employees, inconsistent results were returned.

FLC-59816/ WFD-3187  In the timecard, if a punch had a comment or note the text did not appear when you hovered over the Comments icon.

## Universal Device Manager

FLC-63573/ WFD-3798  Administrators could not include labor categories that were newly-created in Workforce Dimensions in existing Configurable Transactions within UDM.

FLC-59913/ WFD-3201  Performance of the UDM Device Dashboard was unacceptable due to an issue in how device groups and their tags were mapped in an API call that the dashboard uses.

# 4/13/19 (R4.4.0)

The issues below were resolved for R4.4.0.

## API

FLC-61141/ WFD-3369  Following an upgrade to R3.8.0, any call to the Import Punches–Multiple Employees API operation at POST /v1/timekeeping/punches/import failed when the call body included the punchGeoLocation property.

## Common Business

FLC-62993/ WFD-3708  Intermittently, Workforce Dimensions HCM person import did not update the employee base rate of pay with the most current record.

FLC-62740/ WFD-3644  Workforce Dimensions HCM person import was not mapping Labor Category assignments to employees.

FLC-62284/ WFD-3554  After the Workforce Dimensions HCM Person Import iPack was updated and then an integration was run, employees who did not have a general manager assigned in HCM were assigned the value for the next manager field (in this case, the Regional Director of Operations). Since the "Reports to" field in Workforce Dimensions is not required, the import should have respected the blank value and not assigned a value from another field.

FLC-60679/ WFD-3310  Managers were unable to duplicate employees in People Information if the Mexican Spanish locale policy was assigned to the employee.

FLC-60442/ WFD-3278  The system erroneously allowed an employee ID to include spaces, which caused an error when trying to open the Audit add-on in the timecard. Now, if a user tries to create an employee ID that includes a space, the system will generate an error.

FLC-60386/ WFD-3268  A Workforce Dimensions integration from Timekeeper to HCM either failed with the error message of "[Function: getStartEndDate, Date Format (Step 5)]: DateFormat cannot parse '1': java.text.ParseException: Format.parseObject(String) failed", or completed but it processed no

data or time.

| FLC-56853/ WFD-2722 | When an employee who was not a manager used the API call POST /v1/scheduling/employee_swap/apply_read, the response included the database ID and the person number for the employee. The response should have also included the employee name with the person number. |

## Forecasting

| FLC-62054/ WFD-3558 | Category nodes were intermittently appearing in an incorrect order in breadcrumbs. For example, breadcrumbs of "A > B > C > D > E > F" appeared as "A > D > E > B > F". |

| FLC-61552/ WFD-3451 | Users were unable to generate a Volume Forecast value for a specific location, and a "WFF-130004" error appeared. |

| FLC-60496/ WFD-3528 | Category nodes were intermittently missing in the breadcrumbs. For example, breadcrumbs of "X > Y > Z" appeared as "X > Z". These location paths appeared correctly in the grid. |

| FLC-60455/ WFD-3282 | Function Access Profiles (FAPs) contained an access control point (acp) for a button that had been deprecated (the Consolidate Labor button on the Operational Dashboard). |

| FLC-59867/ WFD-3557 | In the Forecast Planner, during a volume run, when users opened the Engine Status panel (**Tools > Engine Status**), the field labeled "Engine" incorrectly identified the process being run by displaying the user-defined batch action name rather than the engine name (Volume). |

| FLC-59281/ WFD-3110 | For partial success records for the v1/forecasting/actual_volume/import API call, a 207 HTTP code did not contain a tag for error offsets. An error appeared but there was no indication of which parts were valid and which were not. The response structure for this API call has been updated. |

## Information Access

| FLC-61226/ WFD-3633 | When viewing a Dataview, if users selected another Dataview, the Chart button that usually appears at the bottom of the screen was not visible. |

| FLC-61188/ WFD-3529 | When a dataview was created by an administrator with a symbolic timeframe or a selected date range, and the end user personalized and saved it, the resulting Dataview changed to contain an incorrect date range. |

| FLC-60782/ WFD-3702 | Some Business Structure Dataviews included employees a manager did not have access to because the Dataview was returning all employees included in the Organizational Set assigned to the manager's Employee Group and did not take into account any assigned Labor Category Profiles. |

| FLC-60221/ WFD-3231 | The labels that were displayed in either of the "Détails des cumuls" and "Soldes de cumuls par code" Dataviews when users accessed them from "**Menu > Affichage des données > Bibliothèque de dataviews** were not translated into French. |

## Integration Hub

| FLC-63696/ WFD-3809 | When attempting to run an Accrual Export iPack integration, it failed with the following cryptic error:

"An unexpected error occurred while executing the integration. Please contact the system administrator."

In addition, the message detail said, "Not an actual flow." |

Corrections to the _HyperfindAndLocationsType process property have corrected the error.

FLC-61521/ WFD-3445

When users attempted to run a Payroll Based Journal (PBJ) integration for a three-month period, with a memory usage error appeared and the integration failed.

FLC-61378/ WFD-3430

Schedule Export integrations failed for pay periods that are not supported by Scheduling and for date ranges that required processing of large numbers of records. The integration now supports large numbers of records such as exports of records for more than 500 employees for 40-day date ranges. However, the integration continues to export schedules only for pay periods that are supported by Scheduling as follows: Previous schedule period, Current schedule period, Next schedule period, Week to date, Last week, Yesterday, Today. The *Universal Schedules Export – Reference* help topic has been updated.

FLC-59308/ WFD-3106

Schedule Import integrations failed when importing a large number of records (around 90,000). Changes to API handling have resolved this issue.

## Key Performance Indicators

FLC-61268/ WFD-3391

When a historical load was executed for the Actual Hours metric, the load failed with the following error:

"Error: System Error. Contact your system administrator."

## Leave

FLC-62287/ WFD-3572

Importing a Leave Type into SDM on a system where the assigned Pay Code was not present produced a misleading error message.

FLC-61740/ WFD-3462

The Absence Type section in the Absent Employees Report was not translated; it appeared in English instead of Spanish.

FLC-61474/ WFD-3365

Managers were unable to apply Leave Time to an employee's schedule after it was submitted, preventing the manager from knowing which employees were available.

FLC-60743/ WFD-3328

From within the Leave case, when users attempted to do an On demand grant, the window showed the amount it would grant, and also showed the "Unit Average". It does not ask users to choose between the two (the total OR the Unit Average); the wording for the total was "Grant Amount".

When users clicked APPLY, the Unit Average (19:15) as of the first day of the leave case was being granted to the accrual instead of the total hours (231).

FLC-60739/ WFD-3318

60739 The Create Leave case API generated and a valid leave case status approval was selected, the following error appeared:

"There is no default case approval status in the system."

## Platform

FLC-61417/ WFD-3399

After creating a report that included custom fields, the data in the custom fields was duplicated in the report.

FLC-61282/ WFD-3392

Data was duplicated in reports that used the location name field in the Business Structure View report data object (RDO).

| FLC-61269/ WFD-3377 | When running the Attendance Incident Details Report using a time based policy, the time format HH:MM appeared incorrectly as 28800:00 (8x60x60). |
|---|---|
| FLC-59650/ WFD-3573 | The French (France) translation of the Chart Editor UI for Dataviews and reports incorrectly translated the options provided to the user for limiting its results ("Limiter les Données") as "Activé/Congé." The options available for selection should have been "Oui/Non." |
| FLC-59114/ WFD-3045 | In the French translation, the options that were shown in the Duration field after the user tapped or clicked Apply in the Request Time Off slider were incorrect. |
| | "1re demi-journée" and "2e demi-journée" should have been "1ère demi-journée" and "2ème demi-journée", respectively. |
| FLC-58823/ WFD-3046 | In the French translation of the My Profile tile "Paramètres de réinitialisation" was misspelled as "Pramètres de réinitialisation." |
| FLC-58727/ WFD-3031 | The French translations of notifications from the Control Center were incorrect. |
| FLC-58522/ WFD-3014 | Connectivity issues were not being handled well by the application's WebSocket protocol. The icons for tiles on users' landing pages were not being refreshed upon login, and ultimately an "You are offline" error appeared. |
| FLC-57884/ WFD-2912 | The French translations of certain user interface labels that were used when charts were edited in Dataviews were suboptimal. |
| FLC-56820/ WFD-2706 | The German translations of certain user interface labels that were used when charts were edited in Dataviews were suboptimal. |
| FLC-56642/ WFD-2675 | Several pages in the application were either not fully translated to French or there were errors in the translation. |
| FLC-54629/ WFD-2331 | When logging in using the France French locale policy, some translations were not accurate. For example, in the transfer slider "Business Structure" was translated to "Structure d'entreprise" when it should have been "Structure organisationnelle". |

## Scheduler

| FLC-62308/ WFD-3578 | The Scheduled Hours indicator did not include values for most shifts. |
|---|---|
| FLC-62288/ WFD-3562 | When attempting to approve an employee time off request, the following error appeared for the manager: |
| | "Failed to mark request as approved." |
| | If the manager navigated to the Control Center and viewed this request, the Action buttons in the header were greyed-out (disabled) and the information in the request shows the following error: |
| | "Time Off Request record(s) not found with the id(s): 151." |
| FLC-62264/ WFD-3567 | When invoking the API v1/scheduling/group_schedule/assignments/apply_create during an update, a new row in Schedule Group History was created even if the group assignment did not change. Depending on the effective date, the schedule group assignment also displayed |

overlapping assignments to the same group. This caused duplicate schedules for employees.

| | |
|---|---|
| FLC-62019/ WFD-3764 | After submitting a time off request with the Notify my colleagues option selected in My Time Off tile, no e-mail was sent to colleagues. |

FLC-61889/ WFD-3487

When managers selected an Open Shift request and clicked **Approve** in the Control Center, the following error appeared:

"Error You cannot get this shift because the shift is not an open shift."

FLC-61805/ WFD-3485

When viewing a Time Off Request, the Guided Recommendations arrow in the slideout panel was greyed-out (disabled) and recommendations could not be viewed.

FLC-61804/ WFD-3482

When running Postman API (/api/v1/scheduling/schedule/multi_read) with specific raw body that included "expandedJobs", an error appeared.

FLC-61646/ WFD-3464

When an employee entered a Shift Swap request and selected a shift, the following error appeared:

"Error Some Unknown Error Occurred. Error Details Not Available."

FLC-61524/ WFD-3403

Schedule tags did not display for employees with access to un-posted schedules on the My Schedule Tile or My Calendar.

FLC-61485/ WFD-3448

Users could not access the Manager Tile page in Administration > Application Setup > Scheduler Setup > Manager Tile, and the following error appeared:

"Error : Some unknown Error Occurred. Error Details not available."

FLC-61353/ WFD-3404

Only one pattern template sometimes displayed in **Administration > Application Setup > Scheduler Setup > Pattern Templates** instead of all of the pattern templates available.

FLC-61241/ WFD-3385

When users edited a shift without saving, then made a paycode edit that overrode the unsaved shift, and then clicked GoTo Timecard, the edited paycode displayed the wrong time in the timecard.

To address this issue, users are now prevented from creating a paycode edit that overrides an unsaved shift (new shift or edited shift). A message displays in the Paycode Edit panel after the user clicks Apply.

FLC-61184/ WFD-3374

(All Schedule reports failed with the following error:

"WFP-114011 - Error occurred in run report processing. Please contact System Administrator."

FLC-61061/ WFD-3359

After including the Notify Colleagues option in a Time Off Request (TOR), the Control Center notification sent to colleagues did not show up in the Control Center pop-up.

FLC-60867/ WFD-3347

After adding an end date to a schedule pattern, the following error appeared:

"Some Unknown Error Occurred. Error Details Not Available when End Dating a Schedule Pattern."

FLC-60857/ WFD-3565

A new data column was added to the Timecard Transactions entity for the historical correction Include in Totals indicator. This supports HCM payroll export; any historical corrections that are not included in totals will be filtered out to prevent duplicate payments.

FLC-60764/ WFD-3334

After editing the budgeted-required staff number directly in Workload Planner, the plan-required staff number was removed and the actual required staff number changed to the edited budgeted number.

**FLC-60763/**
*WFD-3322*
After creating a Plan Workload Pattern, the plan-required staff numbers were updated correctly, but if the manager then edited a future dated Budgeted Workload Pattern, the plan and actual required staff numbers were **replaced** by the budgeted required staff number without warning and the Plan Workload Pattern was deleted.

To correct this issue, a warning is now displayed.

**FLC-60762/**
*WFD-3320*
When creating or editing a Budget Workload Pattern, the only options were for budget and plan, but the actual required staff numbers were also updated.

To address this issue, a new system setting was added to determine whether the actual numbers should also updated.

`site.workload.budget.copy` (default = true)

**FLC-60687/**
*WFD-3317*
Scheduler reports did not use the correct locale of the user, or the default locale setting, to display the start and end times for shifts.

**FLC-60582/**
*WFD-3293*
When employees requested an open shift request in their calendar and they didn't have a manager assigned, an error appeared and prevented the request from being submitted.

**FLC-60524/**
*WFD-3245*
After creating budget in Workload Planner, the budget did not appear in Schedule Planner.

**FLC-60309/**
*WFD-3244*
Even though an Employment Term contained a holiday profile to override the holiday settings in an employee's work rule and pay rule, employees were able to see holidays in the calendar and time-off request screens with an employment term assigned.

**FLC-58362/**
*WFD-2931*
When using the Data Migration Tool v2.3.03 to export and transfer Shift Templates from Workforce Central, the transfer failed when transferring the exported zip file from the tool into a Workforce Dimensions tenant via the Setup Data Manager in Workforce Dimensions.

## Tenant Management

**FLC-60325/**
*WFD-3256*
After changing global value settings in the Tenant Management System (TMS) for a tenant, the system generated a "connection-refused" error when accessing System Settings.

## Timekeeper

**FLC-62800/**
*WFD-3654*
Timecard sign-off was attempted for two specific employees, but the sign-off process was not completing and the two employees failed to totalize with the following error:

"WTK-97008 Carry Forward for pay period already exists."

**FLC-62735/**
*WFD-3642*
In the Employee Timecard Audit Dataview, the Datasource column did not include the IP address.

**FLC-62472/**
*WFD-3601*
When opening a timecard with the timeframe of last week and then marking an exception as reviewed, upon save, the following error appeared even though the edit did not impact totals:

"Error: You cannot make this edit because the edit affects totals outside the loaded time frame. Change the time frame to include the affected date and try again. Date affected: 11/03/2019 (March 11th)."

| | |
|---|---|
| FLC-62622/ *WFD-3627* | The Pool Accruals feature and its associated options appeared in the user interface in Dataviews and Application Setup, but this feature has not been implemented in the system for R4.4.0. |
| FLC-62337/ *WFD-3579* | In the timecard, you could not edit projected punches in the 2 am – 3 am timeframe on 10 March 2019 due to daylight savings time. |
| FLC-62074/ *WFD-3816* | When running some Dataviews, iterative SQL ran for each employee, causing performance issues. |
| FLC-62042, FLC-61279/ *WFD-3526, WFD-3397* | Rate and wage information for employees appeared in Dataviews and reports even though the user running the report should only have had access to view their own wage and rate information. |
| FLC-62000/ *WFD-3503* | When attempting to move a holiday from one year to the next (in **Application Setup > Pay Policies > Holidays > Select Holidays**), after moving the holiday (in particular, Victory Day) from the Available Holidays list to the Selected Holidays list and then selecting Save & Return, a blank screen appeared. |
| FLC-61895/ *WFD-3500* | Bulk sign-off for timecards using the API failed if the user running the API/integration did not have an employee license assigned to their person record. |
| FLC-61800/ *WFD-3483* | When a user logged in with a profile that used the Mexican Spanish locale policy and then ran the Accrual Detail report, the following error appeared: "[WFM-COMMON-1234] Failed to retrieve some data from the providers (Cantidad de acumulado (dinero), Origen de datos de acumulado, Cantidad de acumulado (días), Fecha de vigencia, Cantidad de acumulados (horas), Nombre de código de acumulado) shown in the header of the report output." |
| FLC-61755/ *WFD-3475* | In the timecard, when attempting to approve overtime for the first or last day of the pay period, the following error appeared: "One or more of the 'overtime approvals' requested to be reset cannot be found." |
| FLC-61576/ *WFD-3458* | From the timecard, some employees were not able to sign-off on the pay period, and the error below appeared. These employees were also excluded from totalization. "Error Previous sign-off has not yet completed." |
| FLC-61563/ *WFD-3427* | When adding a paycode in Schedule Planner for an employee, the Paycode panel took a long time to load. |
| FLC-61349/ *WFD-3402* | Some Accrual Detail Reports reported PTO accrual codes and PTO grants for employees whose accrual profiles did not have a PTO policy defined. |
| FLC-61295/ *WFD-3395* | When viewing a project timecard for a new employee whose start date was in the middle of a pay period and the selected date range was a symbolic range (for example, Previous Pay Period), the Add New button was not available for selection and the timecard could not be edited. |
| FLC-61272/ *WFD-3376* | When opening the Target Hours add-on in the timecard for employees who have an Employment Term, the following message appeared: "No data to display." |

| | |
|---|---|
| FLC-61250/ <br> *WFD-3381* | When using the API call /api/v1/timekeeping/timecard/multi_read through Postman or Punch Export API, the Business Structure and Organizational Transfer Set information was not included for time that crossed the day-divide. |
| FLC-60914/ <br> *WFD-3348* | For employees that did not have scheduled breaks, when they punched in, then out, then in again, a system-generated out punch appeared in their timecard when it should not have. |
| FLC-60734/ <br> *WFD-3316* | Some attestation questions appeared on the clock even though the condition for that particular attestation question had not been met. |
| FLC-60518/ <br> *WFD-3288* | For some users with accrual taking increments, they received error messages when employees submitted PTO requests with the correct increments because the percent allocation was splitting the taking into multiple accounts that could not be evenly divided by the taking increment. |
| FLC-60403/ <br> *WFD-3706* | In People Information, when assigning an Adjustment Rule to an employee with an existing Adjustment rule, an additional record was added (Empty Profile with a different effective date) when it should not have been. |
| FLC-60385/ <br> *WFD-3243* | In the timecard, when users toggled between the Totals tab and the Accruals tab, the amount of time for a system generated transfer changed. |
| FLC-60382/ <br> *WFD-3260* | Following an upgrade to R3.7.0, users experienced errors when attempting to open a particular employee's timecard for the previous pay period because on one specific date, the last punch had a different start time zone then the end time zone. |
| FLC-60345/ <br> *WFD-3255* | Because two punch interpretation rules had the same ID in the application' s TerminalRule table, the affected terminals could not communicate with UDM, and the following error appeared: <br><br> "Unable to communicate with customer's host system." |
| FLC-60238/ <br> *WFD-3234* | After creating a new labor category entry, if the entry was then assigned to an employee through People Information and then saved, 2 rows were added to the LABORACCT table with the only difference for the rows being the value for the primary key. Only one row should have been created. |
| FLC-59914/ <br> *WFD-3202* | For some employees, the Pay Period Close Dataview was missing the sign off indicator for a specific date range (9 December – 15 December 2018). |
| FLC-59883/ <br> *WFD-3183* | In a project timecard, when users performed a labor category transfer, the Transfer drop-down list did not contain any of the recently-used transfers. |
| FLC-59698/ <br> *WFD-4066* | When users attempted to retrieve data for the Timecard Approval and Timecard Approval Summary columns, it was not returned and an error appeared. |
| FLC-59581/ <br> *WFD-3149* | In a project timecard, users were unable to add a comment to a scheduled shift that did not have an exception. |
| FLC-57313/ <br> *WFD-2816* | In the timecard, when a Job transfer was added, the Primary Labor categories did not appear in the Totals add-on. |
| FLC-45362/ <br> *WFD-4068* | When delegate authority was granted to a user for Group Edits, the delegatee was unable to approve/sign off a timecard by Group Edit. |

## Universal Device Manager

FLC-62138/
*WFD-3545*
When users performed Gate Entry transactions at a terminal, its status appeared in the UDM View Transactions workspace as "Packet Malformed".

FLC-61892/
*WFD-3497*
Because the UDM Device Configuration page was being refreshed every several seconds, the device being configured could be de-selected before the administrator completed its configuration.

FLC-61841/
*WFD-3494*
Attempts to load biometric templates into UDM during a migration to Workforce Dimensions from Workforce Central failed with the following error:

"HostUploadJob: Error: org.hibernate.exception.DataException: could not execute query."

FLC-59739/
*WFD-3173*
After a tenant was cloned, bad data in UDM device logo settings caused attempts to initialize clocks to fail with the following error:

"The xml does not adhere to the Xml Schema Definition."

# 4/13/19 (R4.3.0)

The issues below were resolved for R4.3.0.

## Attendance

FLC-58257/
*WFD-2960*
When policy actions were required in the Manage Attendance, performance in the tile was slow.

## Common Components

FLC-59465/
*WFD-3142*
A multi_upsert API call was failing with the following error:

"SQL statement failed (may be caused by network or database issues). Please contact your system administrator."

As a result, employees could not be added to or updated in the application during user acceptance testing.

FLC-58622/
*WFD-3038*
When the `global.empphoto.enable` system setting (located in **Administration > Application Setup > System Configuration > System Settings > Global Values**) was to FALSE, users were able to upload photos. This setting should restrict all access to uploading photos and remove them from view within the application.

FLC-58457/
*WFD-3001*
When loading Charts on the Home Page, performance was slow and charts were not rendering properly.

## Forecasting

FLC-60869/
*WFD-3350*
When users attempted to assign a volume driver to some stores (locations) in Forecast Planner Setup, an "Error Null Parameters: (translatorName=)" error appeared.

FLC-60592/
*WFD-3291*
The Forecast Setup data was missing from Setup Data Manager.

FLC-60242/ Users were unable to view all Forecasting components (such as Volume Drivers) because the
*WFD-3236* accounts did not have a Forecast Category Profile Assigned.

FLC-60152/ When users selected the Volume option in Forecast Planner, the following error appeared:
*WFD-3228*
"Error: Some Unknown error occurred."

FLC-60053/ Users were unable to assign a Forecast Category Profile in the people record; it was not appearing
*WFD-3213* as an option. Because users did not have access to forecast categories, they were unable to assign
a volume in **Forecaster Setup > Volume Drivers**.

FLC-59881/ Forecasted Hours did not appear in the Operational Dashboard. The cells were empty.
*WFD-3313*

FLC-58459/ Users were unable to access School Calendar from Schedule Setup.
*WFD-3002*

## Integration Hub

FLC-59246/ The time period of integration run results were offset by one day rather than according to the system
*WFD-3105* date and time. The results now display the correct date and time.

FLC-58666/ Transaction Assistant was not displaying error details for a hire date error in the People Import
*WFD-2897* integration. Now, the Transaction Assistant displays the error details.

## Leave

FLC-58607/ When users added a new Leave of Absence Case, an error appeared and a case was not created.
*WFD-3018*

## Platform

FLC-59683/ Combined paycodes appeared in the Combined Paycode Summary section of the Time Detail
*WFD-3157* Report appeared, even though the 'Visible in Report Options and Report Totals' option had been
deselected.

FLC-59515/ After selecting Previous Pay Period, Current Pay Period, or Next Pay Period in the timeframe
*WFD-3145* selector, multiple user-created Hyperfind queries performed poorly.

FLC-59054/ When employees punch out and answer "Yes" to the question, "Were you injured today at work?"
*WFD-3077* an email was not sent to the email address that was set in the associated workflow notification.

## Scheduler

FLC-59710/ Even though managers were configured to with access to only six Paycodes (five cascades and one
*WFD-3174* Voluntary Time Off), all Paycodes were listed in the drop-down when adding a paycode edit in
Schedule Planner.

FLC-58671/ After running a Person Import integration, the following error sometimes appeared when the user
*WFD-3048* opened Schedule Planner:

"Some Unknown Error Occurred. Error Details Not Available."

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|---|---|
| FLC-58616/ *WFD-3036* | When a Time-Off Request (TOR) had multiple approvers, only the first approver's comments were shown when viewing the Time-Off Request details. |
| FLC-58346/ *WFD-2982* | The Employee Visibility Period incorrectly was using the Hyperfind Profile assigned to the Manager's Display Profile instead of the Manager's Hyperfind Schedule Visibility Profile. |
| FLC-58306/ *WFD-2974* | When a schedule period started on Monday and ended on Sunday and the time zone was set to UTC+11, the Schedule page, which was set for the current schedule period, displayed last week's schedule, but only until 11 a.m. on Monday. |
| FLC-56912/ *WFD-2730* | When a manager made a request from the Manage Schedule tile that involved more than 500 employees (the service limit), the following error appeared: |

"Number of employees in request (530) exceeds allowed limit"

If the limit is exceeded, the request is now split into multiple requests and the results are merged and returned to the user interface. Effectively, there is no limit, but the time for a response is affected by the number of employees submitted.

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| FLC-49903/ *WFD-3632* | Managers were unable to generate a Dataview or report that included employees who have certifications that are expiring soon. |

To correct this issue, two columns that retrieve the Certification Grant or Expiration date from People Information have been added to Application Setup in the following areas:

• **Display Preferences > Display Profile Building Blocks > Dataview Management**

• **Common Setup > Report Data Object Management**

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| FLC-40463/ *WFD-3093* | The Location schedule Detail - Weekly report did not display empty days. |

## Tenant Management

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|---|---|
| FLC-58466 | When employees submitted a Time Off Request (TOR), the process was taking much longer than expected. |

## Timekeeper

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|---|---|
| FLC-60125/ *WFD-3221* | In the timecard, if the selected pay period included the start date of a Leave period, some days that were entered in the system with vacation Paycodes were appearing incorrectly with other Paycodes. |
| FLC-59437/ *WFD-3135* | The Move Amounts in My Timecard Function Access Profile (FAP) and the Move Amount FAP were visible in the user interface and the online help, but they are scheduled for a future release. |
| FLC-59374/ *WFD-3122* | When creating a new Workflow Notification, the Notification Type "Timecard edited by manager after employee approval" has been renamed to "(Deprecated) Timecard edited by manager after employee approval". Workflow Notifications of this type should no longer be used. Instead, create a Workflow Notification with the Generic Notification type, and then add the notification to a timekeeping alert or display profile. For complete details on how to do this, see the "Notify employees after manager changes employee-approved time" topic in the online help. |

FLC-59277/
WFD-3076
For employees who had Geofencing enabled and were in a known location, an error message appeared when punching in on a mobile device.

FLC-58446/
WFD-2998
When employees submitted a Time Off Request (TOR), the process was taking much longer than expected.

FLC-58263/
WFD-2965
When a manager added a paycode edit to a hourly timecard, the Pay from Schedule (PFS) punches disappeared on that day, and the daily total only reflected the paycode edit. If the manager added a paycode edit to a project view timecard, the PFS hours for that day disappeared and the daily totals only reflected the paycode edit. The employee's pay rule was configured to use Pay from Schedule "Pay the employee using all scheduled events, but only if no actual events exist on the day".

FLC-57751/
WFD-2869
Some SDM imports timed out due to paycode distributions taking longer than the time allowed.

FLC-57250/
WFD-2801
High memory usage and over 2,000 live threads (1,447 that were blocked on HyperFindProfile) were causing severe performance degradation on a Background Processor (BGP) server.

# 4/13/19 (R4.2.0)

The issues below were resolved for R4.2.0.

## Common Components

FLC-58828/
WFD-3060
When a manager attempted to edit an employee transfer set that contained a location that was not in the manager's Employee Group, the edit page would attempt to load but would not open. An error message did not appear to alert the manager that editing was unavailable to them. The following error message now appears to inform the manager:

"Editing unavailable: A location in the employee's Transfer Set is not in the manager's Employee Group."

## Scheduler

FLC-48752/
WFD-3103
The following message appeared after submitting a time-off request:

"Submitted: your time-off was successful"

In addition to being ambiguous, the message did not translate correctly. The message has been corrected to the following:

"Information: Your time-off request has been successfully submitted."

## Timekeeper

FLC-60942/
WFD-3356
The Daily Attestation process model was missing from **Application Setup > Business Process Setup > Business Processes**.

FLC-60428/
WFD-3272
Using the timekeeping audit entity key (`AUDIT_TRANSFER_JOB`), only the job was returned when the expectation was that the entire job transfer Business Structure path would be returned.

| FLC-59046/ WFD-3083 | The Accrual Summary Report did not display an accrual balance for employee's that had accrual balances if the accrual was configured as follows: |
|---|---|

     • The accrual was set to display in the timecard.

     • The policy was set to hidden in the accrual profile.

| FLC-58621/ WFD-3040 | In the timecard, the Rule Analysis Report did not show the applied rounding rule for a span if the rounding rule was an Interval Rounding Rule. |
|---|---|
| FLC-58255/ WFD-2955 | Employees could view exceptions in the Timecard tile, but could not view exceptions in their project view timecard if the Include Daily Totals Row option was not selected. |

# 4/13/19 (R4.1.0)

The issues below were resolved for R4.1.0.

## Attendance

| FLC-55982/ WFD-2551 | When users Applied rules in Attendance, a memory error appeared and rules were not applied. |
|---|---|
| FLC-55829/ WFD-2524 | When applying rules on the Attendance Landing Page for one or more employees without a starting balance, no error was generated. |
| FLC-55828/ WFD-2523 | When applying rules on the Attendance Details page for an employee without a starting balance, no error was generated. |
| FLC-54871/ WFD-2355 | Users were unable to apply rules on the Attendance Landing page without receiving an error. |

## Cloud OSS

| FLC-57904/ WFD-2916 | A system that used IDP Unified single sign-on for the full suite with HCM displayed an error message in the My Pay tile on users' Home Page. |
|---|---|
| FLC-57159/ WFD-3139 | When running an event in Event Manager, the process did not complete and the system became locked. |

## Common Business

| FLC-56713/ WFD-2690 | In the **Timekeeping > Employee Role** section of People Information, an invalid date appeared in the Seniority Date column. |
|---|---|
| FLC-55290/ WFD-2448 | The navigation label was not displaying at the bottom of the Custom Tile that appeared on the Home Page. |

## Common Components

| FLC-57422/ WFD-2840 | Users were unable to delete multiple employees from a Dataview. |
|---|---|

FLC-57060/ Some Dataviews based on the Business Structure displayed data that the manager did not have
WFD-2759   access to.

FLC-57046/ When attempting to change the timeframe in a timecard viewed in Internet Explorer, you could not
WFD-3111   enter dates using the keyboard, select dates from the calendar, or click the Cancel or Apply buttons.

FLC-56325/ Some managers were able to see employees that were not in their Employee Group. Additionally,
WFD-2611   some Organization Sets were reverting to older versions.

FLC-47165/ Users who had access to the system with "on behalf of" rights were not able to log in for users who
WFD-1140   did not have login permissions.

The system now has the ability to create "Clock Only Users" who are not able to log in in to the
application but APIs can be executed on their behalf by the system user.

## Configuration App

FLC-58485/ An error appeared in the data migration tool when the name attribute is an integer instead of a
WFD-3023   string.

FLC-57449/ From the PC's touch screen, users were unable to select the down arrow from a tile using a finger
WFD-2771   tap, despite that the mouse arrow did work correctly.

## Information Access

FLC-56520/ An employee who was previously a manager in the system and still has the Employee Group
WFD-2649   assignment in their People Record, is still able to see the employees in the Employee Group within
           Dataviews.

FLC-56508/ Although POST /v1/commons/data/multi_read returned data for terminated/inactive employees
WFD-2641   using the internal ID with a Hyperfind that included terminated/inactive employees, if the Person
           Number was used instead of the internal ID, an error was returned:

{ "errorCode": "WCO-106017", "message": "Unable to resolve Employee-Qualifier for the specified
request parameters: [90117]." }

FLC-56298/ The Audit report did not display any actions related to Dataview Profile changes, edits, additions, or
WFD-2608   deletions.

FLC-56092/ When accessing a Dataview with calculations on a Mobile Browser or Mobile Application for the first
WFD-2570   time, the calculations label for the "Summary" area display as "undefined" instead of sum, count,
           avg, and so on.

FLC-55890/ When opening the tile to load the Dataview, the following error appeared:
WFD-2539
           "Information Data within Leave Edit Amount, Leave Taking cannot be retrieved. Contact your
           system administrator."

FLC-50803/ An API has been added which allows multiple employees to be grouped in a single API call that
WFD-1745   performs a mass Enable Edits operation of over 70 KB after a payroll export has been run.

## Integration Hub

FLC-61521/ WFD-3445    When users attempted to run a Payroll Based Journal (PBJ) integration for a three-month period, with a memory usage error appeared and the integration failed.

FLC-57063/ WFD-2760    "Accrual" was misspelled as "Accural" in multiple places in the Workforce Dimensions API and its documentation. The resolution for this issue includes the addition of fields with the correct spelling of Accrual. Old fields with incorrect spelling were marked deprecated but still maintained to support backward compatibility. Incorrectly-spelled fields were removed from the Developer's Portal documentation.

## Key Performance Indicators

FLC-57882/ WFD-2909    The Time Worked Not Paid Hours Column did not contain accurate data. Time Worked Not Paid Hours should be the summary total of Time Worked Not Paid (IN) Hours and Time Worked Not Paid (OUT) Hours.

FLC-57322/ WFD-2818    After its operations were completed on a tenant, a dataseed transaction would hang in the "Accepted" state.

## Leave

FLC-55270/ WFD-2444    When adding leave time to the schedule for an employee with six or more levels in their Primary Job, an error appeared.

## Platform

FLC-58450/ WFD-2992    Managers received the following error when they tried to launch the Manager Delegation process:

"Error This task has failed runtime validation and cannot be completed. Contact your system administrator."

FLC-58442/ WFD-3413    58442 When users whose names exceeded 50 characters attempted to access the Workflow Admin database through **Administration > Business Processes**, the following error appeared:

"Couldn't Authenticate. Access denied here."

FLC-58316/ WFD-2981    A user with a Manager Role, no licenses, and Super Access function access profile (FAP) was unable to access the Attestation section in Application Setup. Users should be able to see all sections in Setup allowed in their FAP regardless of the licenses assigned.

FLC-58192/ WFD-2950    When using Postman to post the v1/commons/data/multi_read API, the following error appeared:

"WFM-COMMON-1234 "Failed to retrieve some data from the providers."

FLC-58062/ WFD-2938    In Employee Self-Service, the submission period is closing based on the wrong time zone preventing employees from making new submissions.

FLC-57830/ WFD-2906    When attempting to export a Hyperfind query to a file using SDM, the following error appeared for the query Employees with leave cases:

"System Error. Please contact your system administrator."

When attempting to edit the "Employees with leave cases" Hyperfind, the following error appeared:

"Error WCO-112062 You do not have access to the following filters in requested operation: Leave Case Status."

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| FLC-57691/ *WFD-2883* | After attempting to assign an e-mail to all categories in the Notification Profile, the profile did not save. It reverted back to what it had been. |
| FLC-57253/ *WFD-2802* | To make API behaviors consistent in R3.2, the `/v1/commons/persons/extensions/multi_read` API no longer returned the supervisorPersonNumber unless the submitter had a manager role. This impacted integrations. In R4.1, this change is reverted so that the API always returns the supervisorPersonNumber regardless of role. |
| FLC-57174/ *WFD-2782* | When users were initiating Manager Delegation, they received an email for the New Delegation Form assignment. They received this email even if they closed the form before submitting the delegation request. |
| FLC-56819/ *WFD-2704* | Certain strings on the German version of the Reset Password page were incorrectly translated: <br><br>• "Geben Sie die Details an, um Ihr Konto zu finden" should have been "Bitte geben Sie die notwendigen Details an um Ihr Konto zu finden". <br><br>• "Geben Sie Ihren Benutzername" should have been "Geben Sie Ihren Benutzernamen an". <br><br>• "Oder geben Sie Ihre E-Mail-Adresse" should have been "oder geben Sie Ihre E-Mail-Adresse an". |
| FLC-56568/ *WFD-2662* | When users tried to duplicate an existing standard report, such as Time Detail, the following error appeared: <br><br>"Error in saving data object." |
| FLC-56327/ *WFD-2617* | When users called the Update Timecard API to add a pay code edit with a comment, but omitted the notes key/value pair, the API logged the following internal server error instead of providing a helpful error message regarding the missing required field: <br><br>{ "errorCode": "API-10001", "message": "Some Internal Server Error Occurred. Please contact System Administrator." } |
| FLC-56323/ *WFD-2615* | When users ran the All Home and Transferred-In Hyperfind query, the following error appeared: <br><br>"Error WCO-112003 null." |
| FLC-56274/ *WFD-2599* | Daylight Saving Time (DST) was being incorrectly applied to the time zone (GMT +08:00) for Perth, despite that Perth stopped observing DST in 2009. |
| FLC-56236/ *WFD-2593* | When running any report as PDF or interactive format, the logo was cut off half-way. |
| FLC-55979/ *WFD-3024* | All API calls from Workflow to Workforce Dimensions were failing with a "404 Page Not Found" error. |
| FLC-55543/ *WFD-2653* | The TypeCacheMT business object was not thread-safe. Its users could read the cache and write to the cache at the same time. |

## Scheduler

FLC-58460/
WFD-3004
When using the GoTo icon to navigate from timecards to Schedule Planner with an ad hoc Hyperfind query, the following error appeared:

"hyperFind not found for reference:com.kronos.scheduling.commons.core.model.ObjectRef@73cdcd71[id=-999,qualifier=]"

This issue also occurred in Attendance and Leave of Absence Dataviews.

FLC-58441/
WFD-2996
The variance figures in an employee's schedule were negative, but the same variance figures were positive in the employee's timecard for the same timeframe.

> **Note:** Variance = Target amount - Projected amount.

FLC-58009/
WFD-3635
When a schedule rule set was not assigned to an employee, an exception occurred for the "multiread workWeeks ByPersonNum" service.

FLC-57883/
WFD-2911
When using a work rule transfer to append duration hours to an employee in Schedule Planner, the following error appeared, even though the employee had the appropriate data access:

"You do not have the Data Access Profile to create or update a transfer with the work rule or work rules: <work rule>."

FLC-57832/
WFD-2902
When extracting schedule audits with the Schedule Audit Trail API, the response returned the following error regardless of what ID or qualifier was used:

"Unrecognized property findAuditWhereGroups at where.findAuditWhereGroups supplied for request."

FLC-57818/
WFD-2870
Employees are able to submit time off requests multiple times for the same day.

FLC-57592/
WFD-2866
In the Generate Schedule panel, clicking the Strategy drop-down takes over 40 seconds to populate for a small subset of locations.

FLC-57337/
WFD-2819
Dataviews using the Locations option in configuration did not appear as available options for a Schedule Planner Dataview in Schedule Planner Setup.

FLC-57074/
WFD-2763
The accrual balances in the Control Center for time off request approval do not match the accrual balances in the employee timecard.

FLC-56975/
WFD-2738
After entering and saving multiple paycode edits in a schedule that caused accrual overdrafts, the overdrafts were accepted instead of being blocked. If the same paycode edits were made and saved individually, the validation prevented the overdraft on any individual paycode edit that triggers the overdraft.

FLC-56725/
WFD-2678
When logged into a tenant with a French locale, holidays appeared in English in My Calendar.

FLC-56720/
WFD-2692
When a manager created a team definition, the **Reports To Manager** list (as well as the **Report To** field in People Information) was populated with all managers in the system instead of the employee

group assigned to the manager.

FLC-56244/ Users were erroneously receiving 'Request Period Alert' e-mails for messages in old and ended
WFD-2597  request periods.

FLC-55978/ Managers cannot access the Employee Visibility Period page based on their FAP access if their
WFD-2546  Hyperfind Profile does not include all Hyperfinds used by the existing Employee Visibility Periods.

FLC-55919/ When attempting to delete an open shift in Schedule Planner, an error message appeared and the
WFD-2542  open shift was not deleted. When attempting to edit the same shift, incorrect data appeared on the
          slide-out panel.

FLC-55574/ Time-off requests generated from Workflow Notifications using email notifications sometimes
WFD-2429  showed 0 hours requested.

FLC-55544/ When using a business structure, performance was poor due to a caching issue.
WFD-2694

FLC-55045/ When a someone in Services or Support logged in to a system with a logical access account and
WFD-2388  accessed the schedule through the timecard, the schedule was blank. This issue did not occur when
          an actual user logged in.

FLC-53858/ When adding volume in Workload Planner and clicking Apply, they system was very slow to
WFD-2594  respond.

## Timekeeper

FLC-58894/ The description for the Hours by Location report incorrectly stated that the report displays hours and
WFD-3064  wages for each *location's job* in which employees accrued hours. The correct description is that the
          report displays hours and wages based on the *location* (not the location's job) in which the hours
          and wages were accrued.

FLC-58268/ Changes made to the Employment Terms Pay Rule did not automatically take effect on employees;
WFD-2966  the Employment Terms had to be manually reassigned to reflect the changes.

FLC-58055/ Intermittently, the schedule column in the timecard would not load completely and the Rule Analysis
WFD-2932  timeframe did not reflect the complete set of dates for the pay period.

FLC-57327/ For some employees, an error appeared when the timecard tile and punch tile loaded, or when they
WFD-2810  opened their timecard from the main menu.

FLC-57200/ When using a mobile device or a mobile app, users were not able to view the entire Labor Category
WFD-2793  entry name in the drop-down list if the name was longer than 17 characters.

FLC-57065/ Intermittently, when attempting to select a different Employee Group for a manager in People
WFD-2761  Information, the change was not saved and the application reverted to the previously-assigned
          Employee Group.

FLC-56802/ For employees punching in on the current day, schedule break punches were automatically added
WFD-2711  to the timecard even though the employee's FAP had the access control point (acp) **Employee >
          Timecard Editor for Employees (My Timecard) > Display Projected Punches** set to
          DISALLOWED.

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|---|---|
| FLC-56638/ WFD-2674 | When viewing a timecard on an iPad, some data in the schedule column was not visible because the default column width was not large enough. |
| FLC-56556/ WFD-3700 | The overtime Group Approvals page returned no data, or was displayed as empty. |
| FLC-56552/ WFD-2769 | For employees that had the View the Audit Trail Tab in My Timecard FACP set to allowed, when they clicked the Audits tab in the Timecard, the data source column was empty. |
| FLC-56519/ WFD-2647 | When an employee viewed their My Timecard in list view and clicked a date, if they did not have a first name defined, their last name appeared with "undefined" after it. |
| FLC-56491/ WFD-2638 | The text in some attestation messages was covered by the close (X) button. |
| FLC-56461/ WFD-2629 | The Fixed Rule reference date defaulted to US date format, even though the tenant's locale policy was Australia. |
| FLC-56441/ WFD-2668 | The key referenced in the @ApiModelProperty Swagger annotation was missing its symbol prefix (@). |
| FLC-56241/ WFD-2886 | When navigating to a timecard from the Leave of Absence page, when users entered a Paycode, the timecard switched from a project view to an hourly view. |
| FLC-56192/ WFD-2583 | When adding a new holiday to the Holidays table, the date appeared incorrectly as NaN/NaN/NaN. |
| FLC-56130/ WFD-2571 | When running the Employee Hours by Job report with certain parameters (for example, Previous Pay period and Holiday Pay Code), the report failed and an error appeared. |
| FLC-55887/ WFD-2536 | When selecting the Audits tab in the timecard, an error message appeared. |
| FLC-55837/ WFD-2529 | A custom report was designed in the external Desktop Designer and uploaded to Workforce Dimensions. Running the report was successful but the Employee Full Name column data was not populated. |
| FLC-55768/ WFD-2505 | When an invalid cost center or labor category entry was passed to the Adjustment Rule API, the error message that was displayed referred to a Workforce Central object (invalid labor level entry) instead of a Workforce Dimensions object (invalid labor category entry or invalid cost center). |
| FLC-55710/ WFD-2490 | When selecting the last day in the Transfer column of the employee timecard, the recent entry list did not show all of the available entries or Search. Additionally, users could not scroll through the list using a mouse; they could only use the keyboard arrows to scroll. |
| FLC-55622/ WFD-3121 | When a manager edited a timecard that an employee had not yet approved, the employee received a notification stating employee approval had been removed. The notification should only have been sent if the employee had approved their timecard. |
| FLC-55614/ WFD-2485 | Labor Category Entries that were assigned to a Labor Category Entry List could be deleted and the user did not receive an error message to indicate the Labor Category Entry was assigned to a Labor Category Entry List. |

FLC-55409/ WFD-3637  Employees did not receive a notification when employee timecard approval was removed after the manager approved, denied, or reset overtime. The employee should have received a notification as there was a Workflow Notification configured for Employee Approval Removed and the Timekeeping Alert Profile also included alerts and notifications for the employee if the timecard was edited by someone else or if employee approval was removed.

FLC-55185/ WFD-2395  Punch round rules for missed punches were configured to add an out punch equal to the schedule, but the out punch did not appear on the schedule. Additionally, when an employee punched in late the total number of hours should have been calculated as the difference between the full shift and the late punch, but the total hours for the scheduled shift were recorded instead.

FLC-55105/ WFD-2378  The Universal Accruals Balance Import integration failed for employees who had a Manager role. The error message erroneously stated that these employees did not have a Timekeeping Employee license or were terminated.

The integration now correctly imports accruals balances for large numbers of employees regardless of status or role.

FLC-55091/ WFD-2405  There were scalability and performance issues with Timecard Transaction columns.

FLC-54805/ WFD-2340  If an employee had a schedule pattern assigned to them and they were using pay from schedule, the timecard incorrectly showed a transfer.

FLC-54556/ WFD-2323  In the timecard, when viewing a previous pay period for an employee the date range included the last day of the previous pay period and displayed a large number of empty rows that could not be deleted.

FLC-54483/ WFD-3636  Employees did not receive a notification when a punch they added to their timecard was deleted by a manager. The employee should have received a notification as there was a Workflow Notification configured for Employee Approval Removed and the Timekeeping Alert Profile also included alerts and notifications for the employee if the timecard was edited by someone else or if employee approval was removed.

FLC-54375/ WFD-2295  When a Rules Analysis was run on a timecard for a signed-off period, the Rules Analysis did not populate with data and a message appeared that did not clarify the error.

FLC-53860/ WFD-3279  When the user's Locale Policy was set to HH.mm, the following error appeared when the user entered time in HH.mm

"Error WFP-01050 Invalid time format - Time = 08.30."

When the user entered the time in standard US format (HH:mm), the punch was successful, although they were eventually converted to the HH.mm.

FLC-51978/ WFD-1910  Some employees that had the time zone "(GMT +10:00) Canberra; Melbourne, Sydney" assigned in their person record received an error when attempting to view their Timecard tile.

FLC-51610/ WFD-1857  The Audit Add-on in the timecard showed the username in the User column (for example, AnnaClark). However, the Audit Dataview and Report showed the full employee name in the Revision User column (for example, Clark, Anna), the data in these columns did not match.

FLC-51537/   When importing Known Places through SDM, an error appeared.
WFD-2400

# Legal Statement

## Document Revision History

| Document Revision | Release Date |
|---|---|
| A | September 2019 |
| B | September 2019 |
| C | September 2019 |
| D | September 2019 |
| E | October 2019 |
| F | October 2019 |
| G | October 2019 |
| H | October 2019 |
| I | October 2019 |