# What's new for R6

The features below were added for R6.

**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).

## Dataviews/Scheduling

### Parameterized Accruals Data Columns

The data columns in the *Accrual Daily Balances* and *Accrual Reporting Period Balances* entities now accept the assignment of a specific accrual code. This allows the selected data column to return data for only that selected accrual, providing a single row of data per employee. A selected row, such as *Available Balance (Hours)*, may be added to a Dataview or Report Data Object multiple times with a different accrual code configured in each added column. This functionality has been created to allow the Call List to provide accrual balance data for selected accruals. It can also be leveraged for use in Dataviews and Reports.

## Business Process

### My Business Process Tile

With R6, Administrators, managers, or employees can now start or respond to Business Processes from the Business Process tile or from the GoTo control as well as from the Control Center or from notifications.

The **Business Process** tiles enables you to initiate a Business Process directly from your home page. When you select a Business Process tile, the applicable panel opens and you can complete the applicable fields. The access to these Business Processes is configured for the users.

For more information, see the "Tile Library" help topic.

## Information Access

### Dataview Management

With Admin-defined Charts, an administrator **can define one or more charts when defining a Dataview**. When the Dataview is assigned to users through their Dataview Profile, the chart will be available for data visualization without the user having to build. In addition, the charts that have been predefined by the administrator can be added to a Home Page as a tile. Home Pages can now be defined by the administrator with the desired set of application tiles **AND** chart tiles to provide the user with the desired experience.

## Healthcare Analytics

### Healthcare Analytics Productivity Reports

Healthcare Analytics allows managers to analyze payroll, volume, and daily labor data so that they can make informed budget decisions and schedule the right people in the right places at the right times. Managers can see actionable, timely metrics that are based on the actual volume for the day, the core scheduling plan, and the staffing decisions throughout the day.

Standard Reports for Healthcare Analytics include the following:

- Daily Productivity Trend 14 Days Report
- Six Pay Periods Productivity Trend Report
- Workload Volume and Weights Report
- Employee Actuals Reports

For more details on the Healthcare Analytics Productivity Reports feature, see the "Standard Reports for Healthcare Analytics" help topic.

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**Daily Productivity Trend - 14 Days(Analytics)**

Reference Date : 03/26/2020 Target : Default Executed On : 4/13/2020 4:02 PM
Work Unit : All My Work Units Printed For : CindyMartin

**Critical Unit1** Target Variable Hours/UoS : 0.0000 Target Fixed Hours/Period : 0.0000
Unit of Service : Adj Patient Days

| | 23 Mar Mon | 24 Mar Tue | 25 Mar Wed | 26 Mar Thu | 27 Mar Fri | 28 Mar Sat | 29 Mar Sun | 30 Mar Mon | 31 Mar Tue | 01 Apr Wed | 02 Apr Thu | 03 Apr Fri | 04 Apr Sat | 05 Apr Sun | TOTALS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DAILY HOURS** | | | | | | | | | | | | | | | |
| Adj Patient Days | 22 | 22 | 22 | 22 | 22 | 17 | 17 | 22 | 22 | 22 | 22 | 22 | 17 | 17 | **281** |
| TARGET PRODUCTIVE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0** |
| ACTUAL PRODUCTIVE | 15 | 15 | 15 | 16 | 19 | 16 | 16 | 15 | 19 | 0 | 0 | 0 | 0 | 0 | **146** |
| REGULAR | 8 | 8 | 8 | 8 | 6 | 8 | 8 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | **67** |
| OVERTIME | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | **5** |
| AGENCY | 7 | 7 | 7 | 8 | 11 | 8 | 8 | 7 | 11 | 0 | 0 | 0 | 0 | 0 | **74** |
| INTERNAL AGENCY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0** |
| PRODUCTIVE VARIANCE | **15** | **15** | **15** | **16** | **19** | **16** | **16** | **15** | **19** | **0** | **0** | **0** | **0** | **0** | **146** |
| PRODUCTIVITY INDEX | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | **0.0%** |
| TARGET/UOS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | **0.00** |
| ACTUAL/UOS | 0.70 | 0.70 | 0.70 | 0.74 | 0.88 | 0.97 | 0.97 | 0.70 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | **0.52** |
| **CUMULATIVE HOURS** | | | | | | | | | | | | | | | |
| PRODUCTIVE VARIANCE | 15 | 30 | 45 | 61 | 80 | 96 | 112 | 127 | 146 | 146 | 146 | 146 | 146 | 146 | **146** |
| PRODUCTIVITY INDEX | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | **0.0%** |
| TARGET/UOS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | **0.00** |
| ACTUAL/UOS | 0.70 | 0.70 | 0.70 | 0.71 | 0.74 | 0.77 | 0.80 | 0.78 | 0.80 | 0.71 | 0.64 | 0.59 | 0.55 | 0.52 | **0.52** |
| *** RECOMMENDED ADJ.** | **1.15** | **2.50** | **4.09** | **6.10** | **8.89** | **12.00** | **16.00** | **21.17** | **29.20** | **36.50** | **48.67** | **73.00** | **146.00** | **N/A** | **N/A** |

* RECOMMENDED ADJUSTMENT : Average daily hours recommended adjustment for each remaining day of the pay period to achieve a 100% productivity level by the end of the pay period.

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## Six Pay Periods Productivity Trend (Analytics)

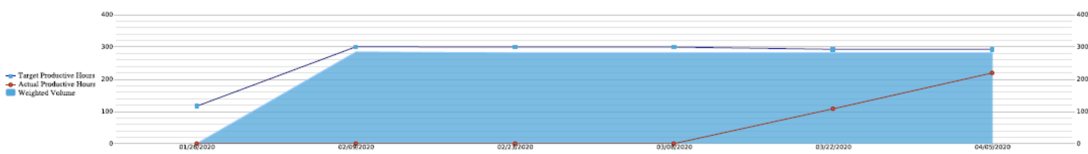
| | | | | | |
|---|---|---|---|---|---|
| Reference Date : | 03/26/2020 | Target : | Default | Executed On : | 4/13/2020 4:07 PM |
| Work Unit : | All My Work Units | | | Printed For : | CindyMartin |

### Critical Unit1

Unit of Service : Adj Patient Days

Fiscal Year to Date : 09/23/2019 - 04/05/2020

| | 01/26/2020 | 02/09/2020 | 02/23/2020 | 03/08/2020 | 03/22/2020 | 04/05/2020 | SIX PERIODS TOTAL | YEAR TO DATE TOTAL |
|---|---|---|---|---|---|---|---|---|
| Adj Patient Days | 0 | 284 | 281 | 281 | 281 | 281 | 1,408 | 1,408 |
| VARIABLE HOUR TARGETS/UOS | 0.0000 | 0.6500 | 0.6500 | 0.6500 | 0.6500 | 0.6500 | 0.6500 | 0.6500 |
| VARIABLE HOUR TARGETS | 0 | 184 | 183 | 183 | 183 | 183 | 915 | 915 |
| FIXED HOUR TARGETS | 116 | 116 | 116 | 116 | 110 | 110 | 684 | 916 |
| TOTAL TARGET PRODUCTIVE | 116 | 300 | 299 | 299 | 292 | 292 | 1,598 | 1,830 |
| ACTUAL PRODUCTIVE | 0 | 0 | 0 | 0 | 108 | 219 | 327 | 327 |
| PRODUCTIVE VARIANCE | (116) | (300) | (299) | (299) | (184) | (73) | (1,271) | (1,503) |
| NON-PRODUCTIVE | 0 | 0 | 0 | 0 | 2 | 2 | 5 | 5 |
| PAID HOURS | 0 | 0 | 0 | 0 | 110 | 221 | 332 | 332 |
| PAID FTEs | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 3.18 | 0.79 | 0.69 |
| PRODUCTIVITY INDEX | 0.0% | 0.0% | 0.0% | 0.0% | 270.7% | 133.5% | 488.8% | 559.7% |
| OVERTIME | 0 | 0 | 0 | 0 | 4 | 9 | 13 | 13 |
| AGENCY | 0 | 0 | 0 | 0 | 0 | 106 | 106 | 106 |
| INTERNAL AGENCY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TARGET HOURS/UOS | 0.00 | 1.06 | 1.06 | 1.06 | 1.04 | 1.04 | 1.14 | 1.30 |
| ACTUAL HOURS/UOS | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.78 | 0.23 | 0.23 |
| PRODUCTIVE VARIANCE/UOS | 0.00 | (1.06) | (1.06) | (1.06) | (0.66) | (0.26) | (4.10) | (4.10) |
| PRODUCTIVE COST/UOS | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 15.49 | 3.58 | 3.58 |
| PAID MONEY/UOS | 0.00 | 0.00 | 0.00 | 0.00 | 2.60 | 15.63 | 3.64 | 3.64 |
| AVERAGE HOURLY RATE | $0.00 | $0.00 | $0.00 | $0.00 | $6.61 | $19.85 | $15.45 | $15.45 |
| ESTIMATED COST | $0 | $0 | $0 | $0 | ($1,220) | ($1,457) | ($2,677) | ($2,677) |

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## Workload Volume and Weights (Analytics)

| | | | |
|---|---|---|---|
| | | Latest Date Available : | |
| Time Period : | 11/06/2019 - 11/06/2019 | Executed On : | 11/21/2019 1:48 PM |
| Work Unit : | All My Work Units | Printed For : | CXSysAdmin |

### Critical Unit1

Fiscal Year to Date : 08/12/2019 - 11/17/2019

| | | ACTUAL VOLUME | | | Adj Patient Days | |
|---|---|---|---|---|---|---|
| PROCEDURE CODE | PROCEDURE DESCRIPTION | PERIOD | YEAR TO DATE | WEIGHTS | PERIOD | YEAR TO DATE |
| 0011072 | X-Ray MedSurge 1 | 5.00 | 60.00 | 0.5000 | 2.50 | 30.00 |
| 0011114 | R+B INTERMEDIATE ICU | 5.00 | 53.00 | 0.5000 | 2.50 | 26.50 |
| 0011702922 | X-Ray Aug | 0.00 | 6.00 | 0.0000 | 0.00 | 3.00 |
| 0023010 | Telemetry Days | 6.00 | 66.00 | 1.0000 | 6.00 | 66.00 |
| 453993 Flu shots MedSurge 1 | Manual Volume | 4.00 | 44.00 | 0.5000 | 2.00 | 22.00 |
| 453994 X-Ray Clin Op Unit 1 | X-Ray Clin Op Unit 1 | 0.00 | 16.00 | 0.0000 | 0.00 | 16.00 |
| 453995 Band Aid Clin Op Unit 1 | Band Aid Clin Op Unit 1 | 0.00 | 16.00 | 0.0000 | 0.00 | 8.00 |
| 900010 | R&B ICU INTERMEDIATE | 5.00 | 55.00 | 0.5000 | 2.50 | 27.50 |
| 920400 | R&B MEDICAL/SURGICAL SEMI-PVT | 3.00 | 38.00 | 0.5000 | 1.50 | 19.00 |
| 920401 | IP nonED Visits | 5.00 | 55.00 | 0.5000 | 2.50 | 27.50 |
| 920402-MedSurge1 | Flue shots MedSurge 1 | 4.00 | 50.00 | 0.5000 | 2.00 | 25.00 |
| 920403 | Manual Volume Clin Op Unit 1 | 0.00 | 40.00 | 0.0000 | 0.00 | 10.00 |
| Band Aid MedWMNB1 | Band Aid MedWMNB1 | 0.00 | 16.00 | 0.0000 | 0.00 | 16.00 |
| X-Ray MedWMNB1 | X-Ray MedWMNB1 | 0.00 | 16.00 | 0.0000 | 0.00 | 16.00 |
| TOTAL : | | 37.00 | 531.00 | | 21.50 | 312.50 |

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# Employee Actual Hours (Analytics)

*Not Included in Totals.

| | | | |
|---|---|---|---|
| Time Period : | Pay Period | Latest Date Available : | 12/30/2019 |
| Reference Date : | 12/30/2019 | Executed On : | 12/30/2019 3:20 AM |
| Work Unit : | Single Work Unit | Printed For : | SeanIvan |

Type : Hours

**WU-India-Assembly-20191230011758**

Pay Period : 12/16/2019 - 12/29/2019

| | PRODUCTIVE | | | | | | | NON - PRODUCTIVE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | REGULAR | OTHER | OT | EXTRA PT | *FLOAT OUT REG | *FLOAT OUT OT | TOTAL | REG NON PROD | REG NON PROD1 | REG NON PROD2 | OTHER | *FLOAT OUT | TOTAL | TOTAL PAID |
| **TOTAL** | **228.36** | **103.80** | **62.28** | | **83.04** | **41.52** | **394.44** | **83.04** | | | **62.28** | **103.80** | **145.32** | **539.76** |
| **-1 Unknown** | **83.04** | | **62.28** | | **83.04** | **41.52** | **145.32** | **62.28** | | | | **103.80** | **62.28** | **207.60** |
| **FULL TIME** | **41.52** | | **41.52** | | **41.52** | **41.52** | **83.04** | **41.52** | | | | **20.76** | **41.52** | **124.56** |
| Garg498043, Akansh K | 20.76 | | 20.76 | | 20.76 | 20.76 | 41.52 | 20.76 | | | | | 20.76 | 62.28 |
| Garg681763, Akansh K | 20.76 | | 20.76 | | 20.76 | 20.76 | 41.52 | 20.76 | | | | | 20.76 | 62.28 |
| Garg744088, Akansh K | | | | | | | | | | | | 20.76 | | |
| **PART TIME** | | | | | **41.52** | | | | | | | **20.76** | | |
| Garg196957, Akansh K | | | | | 20.76 | | | | | | | | | |
| Garg744088, Akansh K | | | | | | | | | | | | 20.76 | | |
| Garg990437, Akansh K | | | | | 20.76 | | | | | | | | | |
| **INTERNAL AGENCY** | **20.76** | | | | | | **20.76** | | | | | **20.76** | | **20.76** |
| Garg744088, Akansh K | | | | | | | | | | | | 20.76 | | |
| Garg923135, Akansh K | 20.76 | | | | | | 20.76 | | | | | | | 20.76 |
| **PER DIEM** | | | | | | | | | | | | **20.76** | | |
| Garg744088, Akansh K | | | | | | | | | | | | 20.76 | | |
| **POOL** | **20.76** | | **20.76** | | | | **41.52** | **20.76** | | | | **20.76** | **20.76** | **62.28** |
| Garg521038, Akansh K | 20.76 | | 20.76 | | | | 41.52 | 20.76 | | | | | 20.76 | 62.28 |

## Mobile App

The latest version of the Mobile App, accessing an R6 host, contains the following new features.

### Extended Authentication

Extended authentication allows a mobile app user to log into the system once, and then not have to login again to a timed-out session for up to 7 days.

For more details on the Extended Authentication feature, see the "Extended Authentication" help topic under *"Administration > Mobile App >Access the system through the app"*.

### Local Authentication

Local authentication requires mobile app users to verify their identity before being allowed to login and/or punch. Verification can be device PIN, pattern, or biometric identifier (fingerprint, face).

For more details on the Local Authentication feature, see the "Local Authentication" help topic under *"Administration > Mobile App >Access the system through the app"*.

## Scheduling

### Predictive Scheduling Compliance

To comply with Predictive Scheduling legislation requiring employers to pay out predictive compensation for last-minute changes made to an employee's schedule, a tag is automatically created in the schedule when an edit is made that violates a configured Predictive Scheduling rule. Customizable building blocks enable administrators to configure where, when, and how much predictive compensation is paid out.

### System-Adjusted Labor Forecast (Labor Constraints)

The system-adjusted labor forecast feature allows retailers to build financial targets into the labor forecast and create a schedule that adheres to the labor budget while still meeting coverage demands.

- Forecasting Setup > Labor Constraints
- Forecasting Setup > Labor Constraint Profiles
- Forecasting Setup > Adjustment Drivers
- Common Setup > Hours of Operating
- Common Setup > Average Pay Rates

### Request to Cover

Employees can send shift requests to individual employees to find coverage for shifts they can't work. Managers can approve the request or the system can automatically approve the request.

### Request Tile (Manage My Schedule tile)

The Manage My Schedule tile provides a direct link for employee to initiate a request to change or edit a schedule, for example, by picking an open shift or changing your availability.

### Absence Calendar

The Absence Calendar in the Schedule Planner enables managers to see long term absence information when they are making decisions on Time-off requests. This provides a quick and easy way to see detailed absence requests, and absence request count. The Schedule Planner calendar can now be viewed in a yearly view allowing managers to easily see absence and time-off over a longer period of time.

### By Job View

The Job View in the Schedule Planner enables managers to see a comprehensive view of open and filled employee shifts by specific job in each location. This view provides a more efficient and compact way to see the schedule, so managers can easily identify gaps in the schedule and better assess coverage issues by job. Schedule usability is also improved with the new search functionality, allowing managers to search for employees in the Employee View and to search for jobs in the Job View.

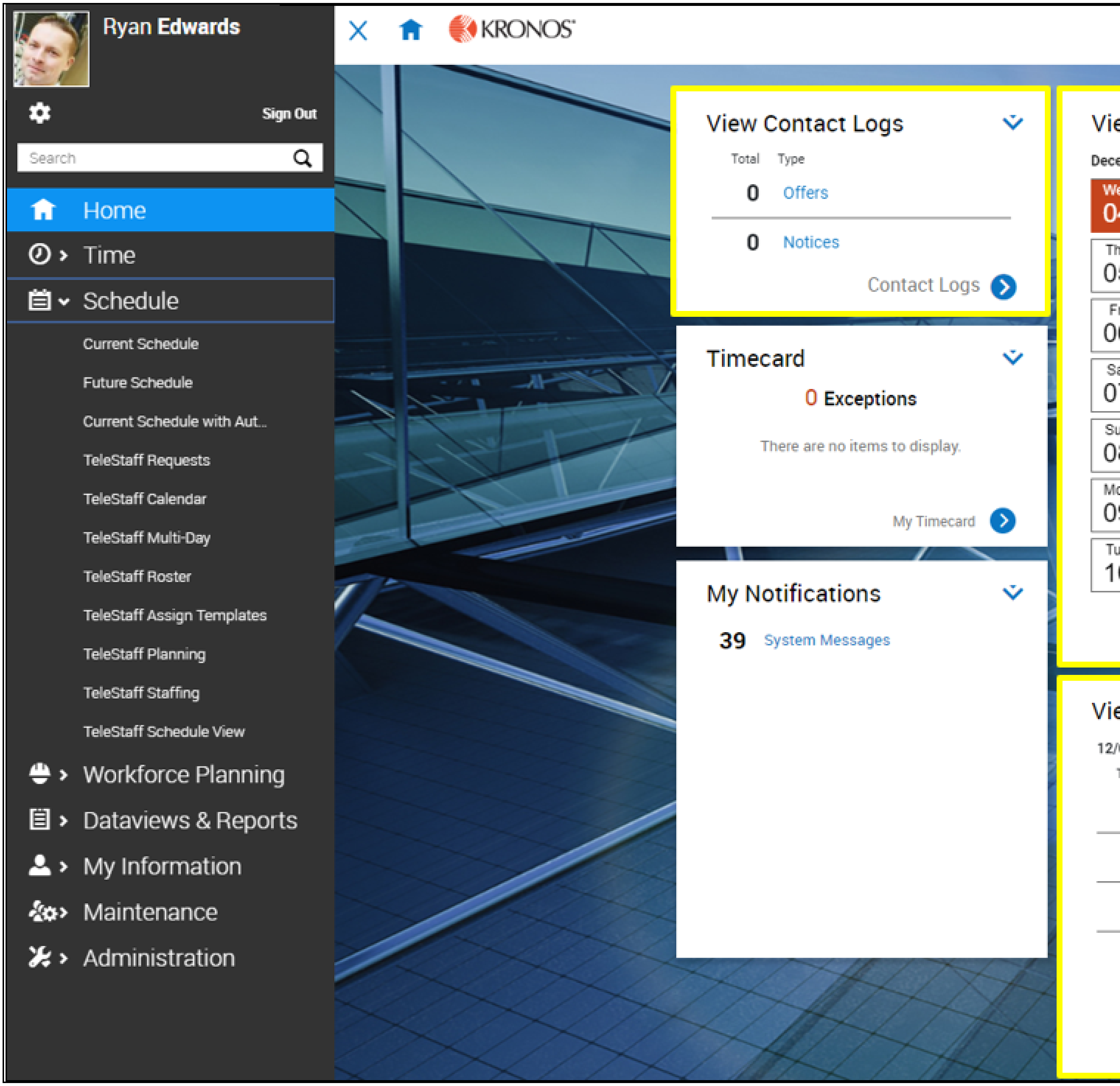
For more details on the By Job View feature, see the "Scheduler Setup > Configure Function Access Profiles for Scheduler" help topic.

## Workforce TeleStaff and Workforce Planner

### Enhanced User Interface Navigation

With R6, administrators, managers or employees who use Workforce TeleStaff or Workforce Planner for scheduling can now have a unified experience for timekeeping and scheduling. Employees can log into Workforce Dimensions, and from the main menu, navigate to Workforce TeleStaff or Workforce Planner pages. The following four tiles can also be added the Home page enabling employees to easily see important scheduling information and take action if needed:

- View My Schedule
- View Open Shifts
- View Pending Approvals
- View Contact Logs


Ryan Edwards
Sign Out
Search
Home
Time
Schedule
Current Schedule
Future Schedule
Current Schedule with Aut...
TeleStaff Requests
TeleStaff Calendar
TeleStaff Multi-Day
TeleStaff Roster
TeleStaff Assign Templates
TeleStaff Planning
TeleStaff Staffing
TeleStaff Schedule View
Workforce Planning
Dataviews & Reports
My Information
Maintenance
Administration
KRONOS
View Contact Logs
Total Type
0 Offers
0 Notices
Contact Logs
Timecard
0 Exceptions
There are no items to display.
My Timecard
My Notifications
39 System Messages

# Work

## Work Overview

Workforce Dimensions Work provides employers with visibility around what employees are working on right now as well as from a summary view.  This visibility helps customers to:

- track work in progress.
- determine employee efficiency, productivity, and utilization.
- establish a cost baseline for work orders or projects.
- make strategic improvements to operational performance.

Regardless of where data is collected from (from a clock, a mobile device or within the application), Work provides employees with a guided, easy-to-follow user experience in which to enter or track their activities. This includes new Smart Forms which improve accuracy by showing only necessary fields. Work is tightly integrated within the timecard; Work data and Timekeeping data remain in-sync.

# What's New Table for R6

The features below were also added for R6.

| Feature | Description | Help Documentation |
|---|---|---|
| **Workforce Dimensions** | | |
| Microsoft Outlook Plugin Integration | A Microsoft Outlook plugin Integration has been introduced for Workforce Dimensions. | None |
| **Business Process** | | |
| My Business Process Tile | See My Business Process Tile on page 1. | |
| Ability to initialize a Business process from GoTo | The **GoTo** control now includes access to the Business Process Library from any of the following pages:<br>• Timecard<br>• Schedule<br>• Attendance Details<br>• Leave of Absence Case Editor | For more information, see the "Run a Business Process" help topic. |

| Feature | Description | Help Documentation |
|---|---|---|
| | • Employee Search<br>• People Information<br>• Dataviews | |
| Validation for controls | Form development has been simplified with built-in form field validation. | For more information, see the "Create forms" help topic. |
| Enhancement for defining and initializing variables within Activiti Process Model Designer | Using Activiti Process Model Designer, you can now define and initialize variables that have not already been initialized in reference forms, script tasks, and public REST APIs.<br>The Initialize Variable is used to initialize variables when the Business Process initialized regardless of where or how many times the activity appears in the flow. It does not overwrite the value of any variables that are initialized as part of a call to the Business Process (for example, when an API is used to launch the Business Process). | For more information, see the "Create, configure, and test business processes" help topic. |
| **Forecasting** | | |
| Error Message and Troubleshooting Tool | Improved error messages and a troubleshooting tool have been added. | None |
| Volume Analyzer | The Volume Analyzer provides the ability to analyze input data that was used to generate a volume forecast so that missing or anomalous data can be easily identified. (Anomalous data can include negative values, data that is at too granular a level, data that presents itself in sporadic spikes, and seasonal data. Users can also use the analysis to determine the impact that special events have had on the forecast.<br>This functionality can be used on all forecasting algorithms (exponential smoothing, daily trend, and machine learning). | For more details, see the following help topic:<br>Workforce Planning > Forecasting > The Volume Workspace > Analyze and export volume forecast data |

<table>
<tr><th>Feature</th><th>Description</th><th>Help Documentation</th></tr>
<tr><td>Ability to make changes to the business structure to support retail business re-alignments for Forecasting</td><td>Normal business operation requires that retailers commonly perform the following operations on the business structure:<br><ul><li>Creating new locations</li><li>Renaming locations</li><li>Moving locations</li><li>Copying locations</li><li>Deleting locations</li><li>End-dating locations</li></ul>These changes can impact configured labor standards, tasks, and task groups for Generic Departments and Generic Categories.<br><br>Workforce Dimensions R6 allows modifications to generic departments and categories to be handled consistently across the business structure by providing a batch processing event that is triggered on any org map node change. If issues are found after a business structure change that were not caught by the batch processing event, the following jobs can be manually executed:<ul><li>Repair generic department event. This job examines all existing business structure nodes and checks links between all department nodes and already existing or newly created generic departments. Where needed, it creates or repairs links.</li><li>Repair generic categories event. This job examines all existing business structure nodes and checks links between all org nodes below sites and already existing or</li></ul></td><td>For more details, see the following help topic:<br><br>Forecasting Setup > Configuring the Business Structure for Forecasting</td></tr>
</table>

| Feature | Description | Help Documentation |
| --- | --- | --- |
| | newly created generic categories. Where needed, it creates or repairs links. | |
| **Globalization** | | |
| Swedish language support | Language support has been added for Swedish. | None |
| **HCM** | | |
| Common Employee Record | Phase 1 allows HR Administrators to manage HCM Profiles (formerly managed through cross-reference tables in the Boomi Person Import) in a new Application Setup Page.<br>HCM Profiles may now be assigned to Companies, EINs, Cost Centers, HR Jobs, and Positions which will automatically be inherited by employees who are assigned to them.<br>The 8 new direct-assignment fields below have been added to HCM's Employee Information page. These allow HCM Administrators to better handle profile assignment exceptions.<br>• Pay Rule<br>• Manager Job Transfer Set<br>• Employee Group<br>• Percent Allocation Rule<br>• EE Job Transfer Set<br>• Accrual Profile<br>• Employment Terms<br>• Scheduler Group Assignment | For more details, see the following topics in HCM Profile Setup:<br>• Standard Profiles<br>• Accruals Profiles<br>• Attendance Profiles<br>• Leave Profiles<br>• License Profiles<br>• Scheduling Profiles<br>• Timekeeping Profiles |
| Data Integration Enhancements | Use **Manage SFTP** to access the inbound (source) and outbound (destination) SFTP folders on the internal SFTP account. This access | For more details, see the "Manage SFTP" and "Resubmit Failed Integrations" help topics. |

| Feature | Description | Help Documentation |
|---|---|---|
| | to unencrypted files helps you to troubleshoot integrations.<br>In addition, **Transaction Assistant** has the following enhancements:<br>• You can display all (up to 50,000) records of transactional errors in integrations and not just first 200 records.<br>• The **API Endpoint** column records the API endpoint that was called and which produced the error.<br>• **Select Max** replaces Select All to select up to 200 of the errors that are loaded. Filtering and sorting work on all columns of all of the records.<br>• The XML Framework has been removed which eliminates errors for XML-restricted characters. | |
| Account Extra fields | If cross-reference tables use HR Time and Labor Profiles to map numerous people information attributes, the number and complexity of profiles and tables can become confusing and difficult to maintain. As an alternative, use the **HCMAccountExtraFields** process property to map the attributes. | For more details, see the "HCM People Import Integration Configuration" help topic. |
| Attestation Profile | To import attestation profiles, you must add **Attestation Profile** to the headers of the **HCMPeopleImport-v1_Timekeeping** cross-reference table. | For more details, see the "HCM People Import Integration Configuration" help topic. |
| Cost Center mapping | The **HCMLaborCategories** process property maps labor categories to cost centers or managers. Alternatively or in addition, you can assign any employee or job attribute in people | For more details, see the "HCM People Import Integration Configuration" help topic. |

| Feature | Description | Help Documentation |
|---|---|---|
| | information to cost centers, so long as the attribute is not effective dated and always applies the current date. | |
| Unified Alerts and Notifications | Workforce Dimensions HCM event notifications are now included in the Control Center. | For more details, see the "Workforce Dimensions HCM Unified Alerts Metadata Release– Configuration" help topic. |
| **Healthcare Analytics** | | |
| Healthcare Analytics Productivity Reports | See Healthcare Analytics Productivity Reports on page 2. | |
| Reporting Framework Enhancements | The reporting framework now supports Healthcare Analytics (HCA) reports. | For more details, see the "Standard Reports for Healthcare Analytics" help topic. |
| IA Framework updates | Healthcare Analytics reports use the following Work Unit Hyperfinds:<br>• All My Department Work Units<br>• All My Work Units<br>• Single Work Unit | For more details, see the "Run Reports for Healthcare Analytics" help topic. |
| Volume Import | The HCA Volume Import integration imports transactional volume data from a comma-separated values (CSV) file that you generate from external volume or billing systems. Use this data to track the volume of work that is done in a facility. | For more details, see the "Configure the Volume Import for Healthcare Analytics" help topic. |
| Integrations | The Healthcare Analytics installation kit sets up a system for bulk imports and exports of the following:<br>• Work Units Work Groups<br>• Job Code Work Groups | For more details, see the "Configure the Installation Kit for Healthcare Analytics" help topic. |

| Feature | Description | Help Documentation |
|---|---|---|
| | • Billing Departments<br>• Charge Master<br>• Volume Departments<br>• Volume Department Overrides<br>• Payroll Departments<br>• Payroll Employment Status<br>• Payroll Jobs<br>• Targets<br>Data is transferred by way of comma-separated values (CSV) files. | |
| Payroll Data Import | The HCA Payroll Import integration imports transactional payroll records automatically from a comma-separated values (CSV) file that you generate from an external payroll system. Use it for ongoing data transfers and to map payroll data to metrics. | For more details, see the "Configure the Payroll Import for Healthcare Analytics" help topic. |
| Open Data Access (ODA) | Open Data Access (ODA) is a custom data source to the APIs that allows rich content in the BIRT™ report-generation tool. The ODA HCA Service APIs are the source for the reports rather than the dataviews. You can combine these APIs with other APIs to enhance further the content of reports. ODA reduces the time to create highly formatted reports and can be used when data is not available from another data source. | For more details, see the "Standard Reports for Healthcare Analytics" help topic. |
| Timekeeper Updates | For Healthcare Analytics labor, configure paycodes, assign labor types to people, and map pay rules to agency labor types. | For more details, see the "Configure Agency Labor" help topic. |
| Healthcare Analytics Targets | For Healthcare Analytics, configure variable and fixed healthcare productivity targets on work | For more details, see the "Configure Targets > Configure |

| Feature | Description | Help Documentation |
|---|---|---|
| | units. | healthcare productivity targets" help topic. |
| **Information Access** | | |
| Dataview Management | See Dataview Management on page 1. | |
| Symbolic Times | Three new symbolic time periods are available in the time period selector ("Last 3 Months", "Last 4 Quarters", and "Last 4 Weeks".) These can be used as default time periods when creating Time-Series dataviews that summarize data by week, month or quarter.) | None |
| Admin-created Charts | Administrators can create charts as part of a Dataview and add them to a Home page for specific end-users. By doing so, the administrator tailors the experience for the end-users in a way that makes sense for their role in the organization. | For more details, see the "Create a Dataview - Add an Admin-Created Chart to a Dataview" and " Create Dataview Charts" help topics. |
| **Integration Hub** | | |
| Users now Generate App Keys in Workforce Dimensions Setup rather than the Developer Portal | To generate and access app keys to track API usage by application, select **Main Menu > Administration > Application Setup > Common Setup > My Apps**. | For more details, see the "Generate and access app keys" help topic |
| Connector Error Handling | The Kronos Workforce Dimensions – HTTP connector exchanges data with HTTP-enabled servers that use either Hyper Text Transfer Protocol (HTTP) or Hyper Text Transfer Protocol Secure (HTTPS). This connector is not a web service or SOAP. Use it to get and send generic data through HTTP or HTTPS by the use of HTTP commands.<br>This connector includes the following: | For more details, see the "Kronos Workforce Dimensions – HTTP Connector" help topic. |

| Feature | Description | Help Documentation |
|---|---|---|
| | • Browse the Workforce Dimensions API<br>• Seamlessly integrate with Transaction Assistant<br>• Error logs by HTTP status codes<br>• Process logs | |
| Transaction Assistant App | To help you troubleshoot transactional errors, you can download all error records for an integration run from Transaction Assistant to a comma-separated values (CSV) file.<br>• Transaction Assistant cannot show more than 50,000 records, and navigating between pages is cumbersome. The downloaded file has none of these limitations.<br>• You can share, open, sort, filter, or process the records in the CSV file with applications such as spreadsheets or text editors.<br>• Downloaded files are available for 24 hours. | For more details, see the "Transaction Assistant Downloads" help topic. |
| Additional Details Logging | Additional details help troubleshoot failures in integration runs as follows:<br>• Additional details show the reasons for errors and the specific records that were disqualified during integration runs.<br>• Additional details can push errors in an integration process that are not related to API failures.<br>• Transaction Assistant lists failed records only for import integrations, but additional details can handle records for both import and export Integrations. | For more details, see the "Configure Additional Details" and "Show Additional Details " help topics. |

| Feature | Description | Help Documentation |
|---|---|---|
| | • The Additional Details API can process up to 1000 records, but the Additional Details page does not limit the number of records it can display.<br>• The integration uses the public custom_ errors API to submit records to Workforce Dimensions. The Kronos Workforce Dimensions – HTTP Connector can access this API. | |
| Manage SFTP Folders | Use Manage SFTP to access the inbound (source) and outbound (destination) SFTP folders on the internal SFTP account. This access to unencrypted files helps you to troubleshoot integrations. | For more details, see the "Manage SFTP" help topic. |
| Customer Support and Best Practices | Integration design best practices and guidelines have been published outside of the online help and are available from Kronos Community. | For more details, see the *Integrations Design Guide* on Kronos Community. |
| **Mobile App** | | |
| Extended Authentication | See Extended Authentication on page 5. | |
| Local Authentication | See Local Authentication on page 5. | |
| **Platform** | | |
| Emailing Report as Attachment to users | When you set **Manager-Department Manager > Reports > Schedule report delivery to email as attachment** to "Allow," the following warning appears:<br>"Selecting this option will allow users assigned this Function Access Profile to schedule reports to be delivered as email attachments. Reports may include personal information. This setting may be transferred to another tenant via Setup | For more details, see the "Application Setup > Access Profiles > Access Profiles setup reference > ACPs for reporting functionality" help topic. |

| Feature | Description | Help Documentation |
|---|---|---|
| | Data Manager or by cloning. Do you wish to continue?"<br>You must click Yes to enable access.<br>In addition, if you are already using the “Email report as attachment” feature in your tenants before this release, you  release must reset the Function Access Control Point **Manager-Department Manager > Reports > Schedule report delivery to email as attachment** to “Allowed” to be able to continue using this feature that allows users to  receive reports as email attachments. If they do not do that, the FAP by default will be set to “Disallowed” and prevent you from using this feature when you create new scheduled reporting jobs. Existing scheduled jobs will have no impact however. | |
| **Scheduling** | | |
| Predictive Scheduling Compliance | See Predictive Scheduling Compliance on page 5. | |
| System-Adjusted Labor Forecast (Labor Constraints) | See  System-Adjusted Labor Forecast (Labor Constraints) on page 5. | |
| Request to Cover | See  Request to Cover on page 6. | |
| Request Tile (Manage My Schedule tile) | See Request Tile (Manage My Schedule tile) on page 6. | |
| Absence Calendar | See Absence Calendar on page 6. | |
| By Job View | See By Job View on page 6. | |
| Enhanced the Retrieve Location Sets by List (POST /v1/commons/location_ | The Retrieve Location Sets by List (POST /v1/commons/location_sets/multi_read) API operation now includes support for the optional property **expandJobs** in the request payload. | For more details, see the Developer Portal, "Common Resources > Business Structures > Location Sets > |

| Feature | Description | Help Documentation |
|---|---|---|
| sets/multi_read) API operation to allow retrieval of all descendant node jobs | This property allows the operation to return all descendant node jobs. | Retrieve Location Sets by List". |
| Call List Dataview Columns | Dataviews and reports can now be created that provide accrual balance data for a selected accrual. The data columns in the Accrual Daily Balances and Accrual Reporting Period Balances have been parameterized to allow you to select the Accrual Code for which data will be provided. | None |
| Schedule Tag Enhancement | Cost Center and Labor Category transfers can now be added to shifts when using the Schedule Tag panel in the Schedule Planner. A new option in the Schedule Tag Definition setup enables or disables the ability to perform Cost Center and Labor Category transfers in the Schedule Tag panel. | For more details, see the "Scheduler Setup > Tag Definitions" help topic. |
| Period Hours Rules | Period-based hours rules enable you to schedule employees over an extended fixed or rolling time period (up to a year) to ensure that, on average over the specified time period, employees' schedules are compliant with legal minimum and maximum working hours limits. When compliance issues occur, managers are alerted via Rule Violations in the Schedule Planner.<br>This functionality enables you to:<br>• Ensure compliance with strict work hours limits mandated by labor laws in various countries.<br>• Provide greater flexibility and efficiency by allowing you to schedule your workforce’s contractual hours over a longer period of time to better align with fluctuating business | For more details, see the "Scheduler Setup > Configure Period Definitions" help topic. |

| Feature | Description | Help Documentation |
|---|---|---|
| | demand.<br>• Reduce overtime and prevent under-utilization. | |
| Break Usability | Breaks can now be automatically adjusted – based on configured automated break placement rules – when shifts are edited or resized. Managers no longer need to adjust breaks manually when changes are made to a shift. In addition, the Shift Editor was enhanced to enable a faster and more intuitive way to add segments to a shift. | For more details, see the "Scheduler Setup > Configure Schedule Planner" help topic. |
| Skill and Certification Profiles on Shifts | Skills and Certifications Profiles can be attached to shifts to provide more granular details – other than just the job – for scheduling managers to use when assigning employees to shifts. Rule violations display in the Schedule Planner when an employee is assigned to a shift but does not meet the required skills and certifications criteria for that shift. | For more details, see the "Scheduler Setup > Configure Skill and Certification Profiles on Shifts" help topic. |
| **Setup Data Manager** | | |
| Auto-Select | Auto-Select in SDM lets an Admin (or AC) select a setup item and find all of the item's dependencies automatically, resulting in faster and more accurate tenant configuration. Auto-Select works with the following setup items:<br>• Employment Terms<br>• Pay Policies<br>• Accruals<br>• Attendance<br>• Leave<br>• Business Structure | None |

| Feature | Description | Help Documentation |
|---|---|---|
| **Workforce TeleStaff and Workforce Planner** | | |
| Enhanced User Interface Navigation | See Enhanced User Interface Navigation on page 6. | |
| Common User Interface: Menu | The Common user interface Menu enables users to open Workforce TeleStaff or Workforce Planner pages directly from the main menu. | For more details, see the *Workforce TeleStaff System Guide*, *Workforce TeleStaff Employee Guide*, *Workforce Planner System Guide*, and *Workforce Planner Employee Guide*. |
| Common User Interface: Tiles | Tiles can be added to the Home page allowing users to access Workforce TeleStaff or Workforce Planner information related to their schedule, open shifts, pending approvals and contact logs. | For more details, see the *Workforce TeleStaff System Guide*, *Workforce TeleStaff Employee Guide*, *Workforce Planner System Guide*, and *Workforce Planner Employee Guide*. |
| Schedule Integration: Labor Category support | Labor categories can be added to shift segments and imported as part of the schedule integration to drive pay outcomes or for reporting purposes. | For more details, see the *Workforce TeleStaff System Guide* and the *Workforce Planner System Guide*. |
| **Timekeeping** | | |
| A new Pay Code Data Access Profiles API resource with create, read, update, and delete single and bulk operations | The Pay Code Data Access Profiles API resource allows an API developer to retrieve and manipulate pay code data access profiles, which specify the pay codes that users can access. | For more details, see the Developer Portal, "Timekeeping > Pay Code Data Access Profiles". |
| Web-based Attestation Missed punch workflow (and Timecard Approval | The Timecard Approve Form requires employees who use web-based hourly or project timcards to attest that the hours on their timecards are accurate. | For more information, see the "Attestation Models" help topic. |

| Feature | Description | Help Documentation |
|---|---|---|
| workflow) for when employee goes to the timecard and timecard approve button workflow trigger | When an employee clicks **Approve** on the timecard, a panel opens with an attestation question (such as, " By selecting approve, you attest that your timecard is accurate) along with an **Approve/Cancel** radio button and a Submit button.<br>• If the employee clicks **Approve** and there are no errors on the timecard, the panel closes, the timecard is approved, and a success message appears: "Timecard approved successfully."<br>• If the employee clicks **Cancel**, the panel closes and the timecard is not approved. | |
| Timecard Approval Restriction | An approval restriction enables restriction of timecard approval if certain exceptions are not resolved. The following updates have been made for this feature:<br>• A new configuration option, Approval Restrictions, has been added to the Pay Policies building blocks to allow customers to configure approval restrictions that determine which exceptions need to be resolved before an approval can take place.<br>• An option called Manager Approval Restriction has been added in the Pay Rule configuration. This option allows customers to determine if, and which, Approval Restriction should be implemented. The Pay Rule configuration allows for effective dating.<br>• An additional option called No Manager Approval has been added in Sign-Off Restrictions. When this option is selected, | For more information, see the “Approval Restrictions”, “Pay Rules”, and “Sign-Off Restrictions” help topics. |

| Feature | Description | Help Documentation |
| --- | --- | --- |
| | manager approval is required before an employee timecard can be signed-off. | |
| Accrual Payout Paycode | You can now explicitly select the payout paycode for accrual policies. When configuring an accrual policy, select a paycode from the Payout Pay Code drop-down list (populated from the Selected list). The <Default> option uses the existing payout behavior. | None |
| **Work** | | |
| Work Overview | See Work Overview on page 8. | |
| Hourly Timecard | Work supports the hourly timecard, for both start/stop and durations. Activities are displayed and editable within the timecard based on the users Work license. Activities can be hidden or displayed using the Show/Hide Activities icon within the timecard. The Work Summary tab, at the bottom of the timecard, displays totals information, which is viewable for different time periods (such as Daily) and specifics types of data (such as Cost Center). | None |
| Clock Support | Work is supported on currently-supported Workforce Dimensions data-collection devices, including the Kronos 4500, the Kronos InTouch and the Kronos InTouch DX. | None |
| Core Forms | Employees can enter activity event data into the Work system through forms. An employee accesses these forms through either a data-collection device or through a Web browser. Each form contains a form type which defines the functionality of the form along with a combination of control steps or step sequences that define the data that is collected in the form. The control | |

| Feature | Description | Help Documentation |
| --- | --- | --- |
| | steps enable the form to be interactive, helping to guide the user through a workflow. Example: When an employee selects a Stop form, the employee is presented with a list of open activities that they can select from to stop. The step sequences prompt the employee for additional information. | |
| Data Access | Data Access defines which employees have access to activities based on the job, labor category or organizational set. | None |
| Job Costing | Activities can be defined with a Transfer to a Location, one or more Labor Categories and/or a Cost Center. When an employee logs time against that activity, the employee is automatically transferred and the transferred information can be used to determine Job Costing for the activity across all employees. | None |
| Data Delivery | Activity tracking, through the Work product, provides visibility to a wealth of data. Users can access the data either by creating a Dataview with the appropriate Work columns or generating a report. | None |
| Integration APIs | APIs that support importing and exporting Work data are provided to enable Work integrations. | None |
| Activity Query | Activity Query is a flexible activity selection tool. It enables users to search for activities based on changeable levels, and number of configurable items such as activity name or description. | None |
| Employee Tile | Work introduces a new Employee Tile that allows employees to start and stop activities they have been configured for from their home page with ease. It also provides a quick way for employees to access Forms from their Home page. | None |

| Feature | Description | Help Documentation |
|---|---|---|
| Transactional Auditing | All activity transactions are saved and available for viewing in an audit Dataview. | None |
| Hyperfind | Two Hyperfind filters are available for Work: activity profile and activities. | None |
| SDM Support | Work will launch with support for Setup Data Manager. | None |
| Validator/Activity Transaction Manager (ATM) | Work provides the ability to validate data entry, which functions the same way as form validation. | None |
| Setup Pages in Workforce Dimensions | Intuitive building block setup pages make configuring Work in Workforce Dimensions fast and easy. | None |

In addition, the following API operation(s) were added for R6.

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Common Resources | Custom Tiles | Create Custom Tile | POST | `/v1/commons/custom_tiles` |
| Common Resources | Employee Groups | Retrieve Employee Groups | POST | `/v1/commons/employee_groups/multi_read` |
| Common Resources | Average Pay Rate Sets | Retrieve All Average Pay Rate Sets | GET | `/v1/commons/average_pay_rate_sets` |
| Common Resources | Average Pay Rate Sets | Retrieve Average Pay Rate Set - One Location | POST | `/v1/commons/average_pay_rate_sets/apply_read` |
| Common Resources | Average Pay Rate Sets | Create Average Pay Rate Set | POST | `/v1/commons/average_pay_rate_sets` |
| Common Resources | Average Pay Rate Sets | Create Average Pay Rate Sets | POST | `/v1/commons/average_pay_rate_sets/multi_create` |
| Common Resources | Average Pay Rate Sets | Update Average Pay Rate Set by ID | PUT | `/v1/commons/average_pay_rate_sets/{id}` |
| Common Resources | Average Pay Rate Sets | Update Average Pay Rate Sets | POST | `/v1/commons/average_pay_rate_sets/multi_update` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Common Resources | Average Pay Rate Sets | Delete Average Pay Rate Set by ID | DELETE | /v1/commons/average_pay_rate_sets/{id} |
| Common Resources | Average Pay Rate Sets | Delete Average Pay Rate Sets | POST | /v1/commons/average_pay_rate_sets/multi_delete |
| Employee Self-Service | Employee Cover Requests | Retrieve Shift Cover Request by ID | GET | /v1/scheduling/employee_cover_requests/{id} |
| Employee Self-Service | Employee Cover Requests | Retrieve Shift Cover Requests | POST | /v1/scheduling/employee_cover_requests/multi_read |
| Employee Self-Service | Employee Cover Requests | Create Shift Cover Request | POST | /v1/scheduling/employee_cover_requests |
| Employee Self-Service | Employee Cover Requests | Update Shift Cover Request | POST | /v1/scheduling/employee_cover_requests/apply_update |
| Employee Self-Service | Employee Cover Requests | Retrieve Candidate Employees | GET | /v1/scheduling/employee_cover_requests/candidate_employees |
| Employee Self-Service | Employee Cover Requests | Retrieve Shift Cover Request Subtypes | GET | /v1/scheduling/employee_cover_requests/request_subtypes |
| Employee Self-Service | Employee Cover Requests | Retrieve Offerable Shifts | GET | /v1/scheduling/employee_cover_requests/shifts |
| Employee Self-Service | Employee Cover Requests | Retrieve Submission Periods | GET | /v1/scheduling/employee_cover_requests/submission_periods |
| Employee Self-Service | Manager Cover Requests | Retrieve Shift Cover Request by ID as Manager | GET | /v1/scheduling/cover_requests/{id} |
| Employee Self-Service | Manager Cover Requests | Retrieve Rule Violations for Shift Cover Request | GET | /v1/scheduling/cover_requests/{id}/rule_violations |
| Employee Self-Service | Manager Cover Requests | Retrieve Shift Cover Requests as Manager | POST | /v1/scheduling/cover_requests/multi_read |
| Employee Self-Service | Manager Cover Requests | Update Shift Cover Request as Manager | POST | /v1/scheduling/cover_requests/apply_update |
| Forecasting | Volume Analyzer | Retrieve Anomaly Scores | GET | /v1/forecasting/volume_analyzer/anomaly_scores |
| Forecasting | Volume Analyzer | Retrieve History Years | GET | /v1/forecasting/volume_analyzer/history_years |

| Domain | Resource | Operation | Method | URL endpoint |
| --- | --- | --- | --- | --- |
| Forecasting | Volume Analyzer | Retrieve Analysis Data Sample Sizes | GET | `/v1/forecasting/volume_analyzer/analysis_data_sample_sizes` |
| Forecasting | Volume Analyzer | Execute Volume Analyzer | POST | `/v1/forecasting/volume_analyzer/apply_create` |
| Forecasting | Adjustment Drivers | Retrieve Adjustment Driver Values | POST | `/v1/forecasting/adjustment_drivers/multi_read` |
| Forecasting | Adjustment Drivers | Update Adjustment Driver Values | POST | `/v1/forecasting/adjustment_drivers/apply_upsert` |
| Forecasting | Adjustment Drivers | Update Values for Multiple Adjustment Drivers | POST | `/v1/forecasting/adjustment_drivers/multi_upsert` |
| Healthcare Analytics | HCA Payroll Job Maps | Retrieve Payroll Job Maps | GET | `/v1/hca/payroll/job_maps` |
| Human Capital Management | People Profiles | Retrieve All People Profiles | GET | `/v1/commons/profiles/people_profiles` |
| Human Capital Management | People Profiles | Retrieve People Profile by ID | GET | `/v1/commons/profiles/people_profiles/{id}` |
| Human Capital Management | People Profiles | Retrieve People Profiles | POST | `/v1/commons/profiles/people_profiles/multi_read` |
| Human Capital Management | Profile Field Maps | Retrieve All Profile Field Maps | GET | `/v1/commons/profiles/profile_field_mappings` |
| Human Capital Management | Profile Field Maps | Retrieve Profile Field Maps | POST | `/v1/commons/profiles/profile_field_mappings/multi_read` |
| Human Capital Management | Profile Field Maps | Create or Update Profile Field Maps | POST | `/v1/commons/profiles/profile_field_mappings/multi_upsert` |
| Human Capital Management | Profile Templates | Retrieve All Profile Templates | GET | `/v1/commons/profiles/profile_templates` |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Human Capital Management | Profile Templates | Retrieve Profile Template by ID | GET | /v1/commons/profiles/profile_templates/{id} |
| Human Capital Management | Profile Templates | Retrieve Profile Templates | POST | /v1/commons/profiles/profile_templates/multi_read |
| People | Person Assignments > Direct Assignments | Retrieve All People Direct Assignment Profiles | GET | /v1/commons/profiles/people_direct_assignments |
| Platform > Integrations | Integration Executions | Submit Integration Execution Custom Errors | POST | /v1/platform/integration_executions/{id}/custom_errors |
| Scheduling | Employment Term Schedule Patterns | Retrieve Employment Term Schedule Pattern by ID | GET | /v1/scheduling/employment_term_schedule_patterns/{id} |
| Scheduling | Employment Term Schedule Patterns | Retrieve Employment Term Schedule Patterns | POST | /v1/scheduling/employment_term_schedule_patterns/multi_read |
| Scheduling | Employment Term Schedule Patterns | Create Employment Term Schedule Pattern | POST | /v1/scheduling/employment_term_schedule_patterns/apply_create |
| Scheduling | Employment Term Schedule Patterns | Update or Remove Employment Term Schedule Patterns | POST | /v1/scheduling/employment_term_schedule_patterns/apply_update |
| Scheduling | Employment Term Schedule Patterns | Delete Employment Term Schedule Pattern by ID | DELETE | /v1/scheduling/employment_term_schedule_patterns/{id} |
| Scheduling | Employment Term Schedule Patterns | Retrieve Employment Term Schedule Pattern Configuration | GET | /v1/scheduling/employment_term_schedule_patterns/builder |
| Scheduling | Schedule Group Patterns | Retrieve Schedule Group Pattern by ID | GET | /v1/scheduling/schedule_group_patterns/{id} |
| Scheduling | Schedule Group Patterns | Retrieve Schedule Group Patterns | POST | /v1/scheduling/schedule_group_patterns/multi_read |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Scheduling | Schedule Group Patterns | Create Schedule Group Pattern | POST | /v1/scheduling/schedule_group_patterns/apply_create |
| Scheduling | Schedule Group Patterns | Update or Remove Schedule Group Patterns | POST | /v1/scheduling/schedule_group_patterns/apply_update |
| Scheduling | Schedule Group Patterns | Delete Schedule Group Pattern by ID | DELETE | /v1/scheduling/schedule_group_patterns/{id} |
| Scheduling | Schedule Group Patterns | Retrieve Schedule Group Pattern Configuration | GET | /v1/scheduling/schedule_group_patterns/builder |
| Scheduling | Skills and Certifications Profiles | Retrieve All Skills and Certifications Profiles or by Name | GET | /v1/scheduling/skill_certification_profiles |
| Scheduling | Skills and Certifications Profiles | Retrieve Skills and Certifications Profile by ID | GET | /v1/scheduling/skill_certification_profiles/{id} |
| Scheduling | Skills and Certifications Profiles | Retrieve Skills and Certifications Profiles | POST | /v1/scheduling/skill_certification_profiles/multi_read |
| Scheduling | Skills and Certifications Profiles | Create Skills and Certifications Profile | POST | /v1/scheduling/skill_certification_profiles |
| Scheduling | Skills and Certifications Profiles | Create Skills and Certifications Profiles | POST | /v1/scheduling/skill_certification_profiles/multi_create |
| Scheduling | Skills and Certifications Profiles | Update Skills and Certifications Profile by ID | PUT | /v1/scheduling/skill_certification_profiles/{id} |
| Scheduling | Skills and Certifications Profiles | Update Skills and Certifications Profiles | POST | /v1/scheduling/skill_certification_profiles/multi_update |
| Scheduling | Skills and Certifications Profiles | Delete Skills and Certifications Profile by ID | DELETE | /v1/scheduling/skill_certification_profiles/{id} |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Scheduling | Skills and Certifications Profiles | Delete Skills and Certifications Profiles | POST | /v1/scheduling/skill_certification_profiles/multi_delete |
| Timekeeping | Employment Terms | Retrieve Employment Terms | POST | /v1/timekeeping/setup/employment_terms/multi_read |
| Timekeeping | Timekeeping Setup Overtime Rules | Retrieve Overtime Rules | POST | /v1/timekeeping/setup/overtime_rules/multi_read |
| Timekeeping | Percentage Allocation Rules | Retrieve Percentage Allocation Rules | POST | /v1/timekeeping/setup/percentage_allocation_rules/multi_read |
| Work | Activities | Retrieve Activity by Name | GET | /v1/work/activities |
| Work | Activities | Retrieve Activity by ID | GET | /v1/work/activities/{id} |
| Work | Activities | Retrieve Activities | POST | /v1/work/activities/multi_read |
| Work | Activities | Create Activity | POST | /v1/work/activities |
| Work | Activities | Create Activities | POST | /v1/work/activities/multi_create |
| Work | Activities | Create or Update Activities | POST | /v1/work/activities/multi_upsert |
| Work | Activities | Update Activity by ID | PUT | /v1/work/activities/{id} |
| Work | Activities | Update Activities | POST | /v1/work/activities/multi_update |
| Work | Activities | Delete Activity by ID | DELETE | /v1/work/activities/{id} |
| Work | Activities | Delete Activities | POST | /v1/work/activities/multi_delete |
| Work | Activity Resources | Retrieve All Data Access Types | GET | /v1/work/activities/setup/data_access_types |
| Work | Activity Resources | Retrieve All Activity Complete Statuses | GET | /v1/work/activities/setup/complete_statuses |
| Work | Activity Resources | Retrieve All Quantity Allocation Types | GET | /v1/work/activities/setup/quantity_allocation_types |
| Work | Activity Resources | Retrieve All Activity Process Types | GET | /v1/work/activities/setup/process_types |
| Work | Activity Resources | Retrieve All Activity Types | GET | /v1/work/activities/setup/activity_types |

| Domain | Resource | Operation | Method | URL endpoint |
| --- | --- | --- | --- | --- |
| Work | Activity Resources | Retrieve All Activity Held History | GET | /v1/work/activities/setup/held_histories |
| Work | Activity Resources | Retrieve All Hours Allocation Types | GET | /v1/work/activities/setup/hours_allocation_types |
| Work | Activity Resources | Retrieve All Activity Priority Types | GET | /v1/work/activities/setup/priority_types |
| Work | Activity Resources | Retrieve All Sequence Validation Types | GET | /v1/work/activities/setup/sequence_validation_types |
| Work | Activity Profiles | Retrieve All Activity Profiles or by Name | GET | /v1/work/activity_profiles |
| Work | Activity Profiles | Retrieve Activity Profile by ID | GET | /v1/work/activity_profiles/{id} |
| Work | Activity Profiles | Retrieve Activity Profiles | POST | /v1/work/activity_profiles/multi_read |
| Work | Activity Profiles | Create Activity Profile | POST | /v1/work/activity_profiles |
| Work | Activity Profiles | Create Activity Profiles | POST | /v1/work/activity_profiles/multi_create |
| Work | Activity Profiles | Update Activity Profile by ID | PUT | /v1/work/activity_profiles/{id} |
| Work | Activity Profiles | Update Activity Profiles | POST | /v1/work/activity_profiles/multi_update |
| Work | Activity Profiles | Delete Activity Profile by ID | DELETE | /v1/work/activity_profiles/{id} |
| Work | Activity Profiles | Delete Activity Profiles | POST | /v1/work/activity_profiles/multi_delete |
| Work | Activity Shifts | Create or Update Activity Shifts | POST | /v1/work/activity_shifts/multi_upsert |
| Work | Activity Net Changes | Retrieve Net Changes for Activity Shift | POST | /v1/work/activity_shifts/net_changes/multi_read |
| Work | Activity Customers | Retrieve All Customers or by Name | GET | /v1/work/customers |
| Work | Activity Customers | Retrieve Customer by ID | GET | /v1/work/customers/{id} |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Work | Activity Customers | Retrieve Customers | POST | /v1/work/customers/multi_read |
| Work | Activity Customers | Create Customer | POST | /v1/work/customers |
| Work | Activity Customers | Create Customers | POST | /v1/work/customers/multi_create |
| Work | Activity Customers | Update Customer by ID | PUT | /v1/work/customers/{id} |
| Work | Activity Customers | Update Customers | POST | /v1/work/customers/multi_update |
| Work | Activity Customers | Delete Customer by ID | DELETE | /v1/work/customers/{id} |
| Work | Activity Customers | Delete Customers | POST | /v1/work/customers/multi_delete |
| Work | Field Definitions | Retrieve All Field Definitions or by Name | GET | /v1/work/field_definitions |
| Work | Field Definitions | Retrieve Field Definition by ID | GET | /v1/work/field_definitions/{id} |
| Work | Field Definitions | Retrieve Field Definitions | POST | /v1/work/field_definitions/multi_read |
| Work | Field Definitions | Create Field Definition | POST | /v1/work/field_definitions |
| Work | Field Definitions | Create Field Definitions | POST | /v1/work/field_definitions/multi_create |
| Work | Field Definitions | Update Field Definition by ID | PUT | /v1/work/field_definitions/{id} |
| Work | Field Definitions | Update Field Definitions | POST | /v1/work/field_definitions/multi_update |
| Work | Field Definitions | Delete Field Definition by ID | DELETE | /v1/work/field_definitions/{id} |
| Work | Field Definitions | Delete Field Definitions | POST | /v1/work/field_definitions/multi_delete |
| Work | Form Profiles | Retrieve All Form Profiles or by Name | GET | /v1/work/form_profiles |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Work | Form Profiles | Retrieve Form Profile by ID | GET | /v1/work/form_profiles/{id} |
| Work | Form Profiles | Retrieve Form Profiles | POST | /v1/work/form_profiles/multi_read |
| Work | Form Profiles | Create Form Profile | POST | /v1/work/form_profiles |
| Work | Form Profiles | Create Form Profiles | POST | /v1/work/form_profiles/multi_create |
| Work | Form Profiles | Update Form Profile by ID | PUT | /v1/work/form_profiles/{id} |
| Work | Form Profiles | Update Form Profiles | POST | /v1/work/form_profiles/multi_update |
| Work | Form Profiles | Delete Form Profile by ID | DELETE | /v1/work/form_profiles/{id} |
| Work | Form Profiles | Delete Form Profiles | POST | /v1/work/form_profiles/multi_delete |
| Work | Activity Forms | Retrieve All Activity Forms or by Name | GET | /v1/work/forms |
| Work | Activity Forms | Retrieve Activity Form by ID | GET | /v1/work/forms/{id} |
| Work | Activity Forms | Retrieve Activity Forms | POST | /v1/work/forms/multi_read |
| Work | Activity Forms | Create Activity Form | POST | /v1/work/forms |
| Work | Activity Forms | Create Activity Forms | POST | /v1/work/forms/multi_create |
| Work | Activity Forms | Update Activity Form by ID | PUT | /v1/work/forms/{id} |
| Work | Activity Forms | Update Activity Forms | POST | /v1/work/forms/multi_update |
| Work | Activity Forms | Delete Activity Form by ID | DELETE | /v1/work/forms/{id} |
| Work | Activity Forms | Delete Activity Forms | POST | /v1/work/forms/multi_delete |
| Work | Activity Form Resources | Retrieve All Form Types | GET | /v1/work/forms/setup/form_types |
| Work | Activity Form Resources | Retrieve All Entry Types | GET | /v1/work/forms/setup/entry_types |
| Work | Activity Form Resources | Retrieve All Validation Types | GET | /v1/work/forms/setup/validation_ types |
| Work | Activity Form | Retrieve All Input | GET | /v1/work/forms/setup/input_source_ |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | Resources | Source Types | | types |
| Work | Activity Form Resources | Retrieve All Control Types or Only Applicable Type | GET | /v1/work/forms/setup/control_types |
| Work | Activity Form Resources | Retrieve Offline Forms | GET | /v1/work/forms/setup/offline_forms |
| Work | Paycode Actions | Retrieve All Paycode Actions or by Name | GET | /v1/work/pay_code_actions |
| Work | Paycode Actions | Retrieve Paycode Action by ID | GET | /v1/work/pay_code_actions/{id} |
| Work | Paycode Actions | Retrieve Paycode Actions | POST | /v1/work/pay_code_actions/multi_read |
| Work | Paycode Actions | Create Paycode Action | POST | /v1/work/pay_code_actions |
| Work | Paycode Actions | Create Paycode Actions | POST | /v1/work/pay_code_actions/multi_create |
| Work | Paycode Actions | Update Paycode Action by ID | PUT | /v1/work/pay_code_actions/{id} |
| Work | Paycode Actions | Update Paycode Actions | POST | /v1/work/pay_code_actions/multi_update |
| Work | Paycode Actions | Delete Paycode Action by ID | DELETE | /v1/work/pay_code_actions/{id} |
| Work | Paycode Actions | Delete Paycode Actions | POST | /v1/work/pay_code_actions/multi_delete |
| Work | Activity Queries | Retrieve All Activity Queries or by Name | GET | /v1/work/queries |
| Work | Activity Queries | Retrieve Activity Query by ID | GET | /v1/work/queries/{id} |
| Work | Activity Queries | Retrieve Activity Queries | POST | /v1/work/queries/multi_read |
| Work | Activity Queries | Create Activity Query | POST | /v1/work/queries |
| Work | Activity Queries | Create Activity Queries | POST | /v1/work/queries/multi_create |
| Work | Activity Queries | Update Activity Query | PUT | /v1/work/queries/{id} |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | | by ID | | |
| Work | Activity Queries | Update Activity Queries | POST | /v1/work/queries/multi_update |
| Work | Activity Queries | Delete Activity Query by ID | DELETE | /v1/work/queries/{id} |
| Work | Activity Queries | Delete Activity Queries | POST | /v1/work/queries/multi_delete |
| Work | Activity Query Resources | Retrieve All Activity Query Date Range Date Types | GET | /v1/work/queries/setup/date_types |
| Work | Activity Query Profiles | Retrieve All Activity Query Profiles or by Name | GET | /v1/work/query_profiles |
| Work | Activity Query Profiles | Retrieve Activity Query Profile by ID | GET | /v1/work/query_profiles/{id} |
| Work | Activity Query Profiles | Retrieve Activity Query Profiles | POST | /v1/work/query_profiles/multi_read |
| Work | Activity Query Profiles | Create Activity Query Profile | POST | /v1/work/query_profiles |
| Work | Activity Query Profiles | Create Activity Query Profiles | POST | /v1/work/query_profiles/multi_create |
| Work | Activity Query Profiles | Update Activity Query Profile by ID | PUT | /v1/work/query_profiles/{id} |
| Work | Activity Query Profiles | Update Activity Query Profiles | POST | /v1/work/query_profiles/multi_update |
| Work | Activity Query Profiles | Delete Activity Query Profile by ID | DELETE | /v1/work/query_profiles/{id} |
| Work | Activity Query Profiles | Delete Activity Query Profiles | POST | /v1/work/query_profiles/multi_delete |
| Work | Result Codes | Retrieve All Result Codes | GET | /v1/work/result_codes |
| Work | Result Codes | Retrieve Result Code by ID | GET | /v1/work/result_codes/{id} |
| Work | Result Codes | Retrieve Result Codes | POST | /v1/work/result_codes/multi_read |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Work | Result Codes | Create Result Code | POST | /v1/work/result_codes |
| Work | Result Codes | Create Result Codes | POST | /v1/work/result_codes/multi_create |
| Work | Result Codes | Update Result Code by ID | PUT | /v1/work/result_codes/{id} |
| Work | Result Codes | Update Result Codes | POST | /v1/work/result_codes/multi_update |
| Work | Result Codes | Create or Update Result Codes | POST | /v1/work/result_codes/multi_upsert |
| Work | Result Codes | Delete Result Code by ID | DELETE | /v1/work/result_codes/{id} |
| Work | Result Codes | Delete Result Codes | POST | /v1/work/result_codes/multi_delete |
| Work | Result Code Profiles | Retrieve All Result Code Profiles or by Name | GET | /v1/work/result_code_profiles |
| Work | Result Code Profiles | Retrieve Result Code Profile by ID | GET | /v1/work/result_code_profiles/{id} |
| Work | Result Code Profiles | Retrieve Result Code Profiles | POST | /v1/work/result_code_profiles/multi_read |
| Work | Result Code Profiles | Create Result Code Profile | POST | /v1/work/result_code_profiles |
| Work | Result Code Profiles | Create Result Code Profiles | POST | /v1/work/result_code_profiles/multi_create |
| Work | Result Code Profiles | Update Result Code Profile by ID | PUT | /v1/work/result_code_profiles/{id} |
| Work | Result Code Profiles | Update Result Code Profiles | POST | /v1/work/result_code_profiles/multi_update |
| Work | Result Code Profiles | Delete Result Code Profile by ID | DELETE | /v1/work/result_code_profiles/{id} |
| Work | Result Code Profiles | Delete Result Code Profiles | POST | /v1/work/result_code_profiles/multi_delete |
| Work | Results Templates | Retrieve All Results Templates or by Name | GET | /v1/work/results_templates |
| Work | Results | Retrieve Results | GET | /v1/work/results_templates/{id} |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| | Templates | Template by ID | | |
| Work | Results Templates | Retrieve Results Templates | POST | /v1/work/results_templates/multi_read |
| Work | Results Templates | Create Results Template | POST | /v1/work/results_templates |
| Work | Results Templates | Create Results Templates | POST | /v1/work/results_templates/multi_create |
| Work | Results Templates | Update Results Template by ID | PUT | /v1/work/results_templates/{id} |
| Work | Results Templates | Update Results Templates | POST | /v1/work/results_templates/multi_update |
| Work | Results Templates | Delete Results Template by ID | DELETE | /v1/work/results_templates/{id} |
| Work | Results Templates | Delete Results Templates | POST | /v1/work/results_templates/multi_delete |
| Work | Results Template Resources | Retrieve All Step Types | GET | /v1/work/results_templates/setup/step_types |
| Work | Activity Settings | Retrieve All Activity Settings | GET | /v1/work/settings |
| Work | Activity Settings | Retrieve Activity Setting by ID | GET | /v1/work/settings/{id} |
| Work | Activity Settings | Retrieve Activity Settings | POST | /v1/work/settings/multi_read |
| Work | Activity Settings | Update Activity Setting by ID | PUT | /v1/work/settings/{id} |
| Work | Activity Settings | Update Activity Settings | POST | /v1/work/settings/multi_update |
| Work | Units of Measure | Retrieve All Units of Measure or by Name | GET | /v1/work/units_of_measure |
| Work | Units of Measure | Retrieve Unit of Measure by ID | GET | /v1/work/units_of_measure/{id} |
| Work | Units of Measure | Retrieve Units of Measure | POST | /v1/work/units_of_measure/multi_read |

| Domain | Resource | Operation | Method | URL endpoint |
|---|---|---|---|---|
| Work | Units of Measure | Create Unit of Measure | POST | /v1/work/units_of_measure |
| Work | Units of Measure | Create Units of Measure | POST | /v1/work/units_of_measure/multi_create |
| Work | Units of Measure | Update Unit of Measure by ID | PUT | /v1/work/units_of_measure/{id} |
| Work | Units of Measure | Update Units of Measure | POST | /v1/work/units_of_measure/multi_update |
| Work | Units of Measure | Delete Unit of Measure by ID | DELETE | /v1/work/units_of_measure/{id} |
| Work | Units of Measure | Delete Units of Measure | POST | /v1/work/units_of_measure/multi_delete |

# Release documentation

Release documentation is detailed as follows:

- This document provides information about Workforce Dimensions R6.
- Update Summaries contain information about R6 Updates (for example, Updates 1 and 2).
- Express Upgrades (for example, R6 Express Upgrade 1) will be listed in the document of the release they apply to: either the Release Notes or an Upgrade Summary. Express Upgrades have their own sections in either the "Resolved Issues" or "What's New" section.

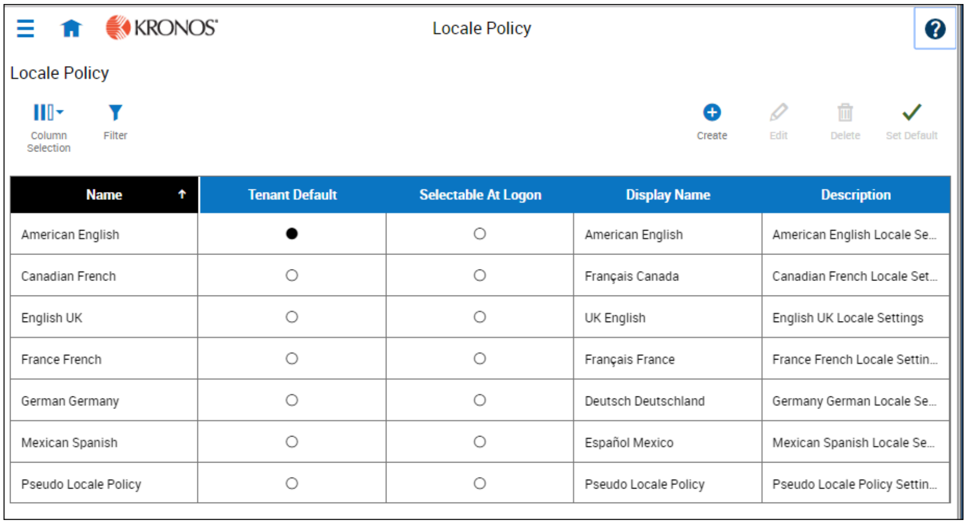
# International and customization considerations

Besides US English, Workforce Dimensions provides translation of the application into the following additional languages:

- Czech
- Dutch
- French
- French Canadian
- German
- Japanese
- Spanish (Mexico)
- Swedish
- UK English

To change the user interface to one of these languages:

1. Go to **Administration** > **Application Setup** from the Main Menu.
2. From the Application Setup page, select **System Configuration** > **Locale Policy**. The **Locale Policy** page contains regional settings (language locale, date format, number format, and currency format) that can be assigned as the tenant default or to individual users. The users' settings take precedence over the default setting for the tenant default settings. Users see the user interface in the language and regional settings assigned to them in their locale policy. The locale policy is assigned to users in **People Information**.




| Name | Tenant Default | Selectable At Logon | Display Name | Description |
|---|---|---|---|---|
| American English | ● | ○ | American English | American English Locale Se... |
| Canadian French | ○ | ○ | Français Canada | Canadian French Locale Set... |
| English UK | ○ | ○ | UK English | English UK Locale Settings |
| France French | ○ | ○ | Français France | France French Locale Settin... |
| German Germany | ○ | ○ | Deutsch Deutschland | Germany German Locale Se... |
| Mexican Spanish | ○ | ○ | Español Mexico | Mexican Spanish Locale Se... |
| Pseudo Locale Policy | ○ | ○ | Pseudo Locale Policy | Pseudo Locale Policy Settin... |

3. To change the default setting, select one of the listed languages in the **Tenant Default** column.
4. To have one or more languages selectable from the logon page, select the applicable languages from the **Selectable at Logon** column.

   Users can then change their locale profile by clicking one of the options on the logon screen. The new locale profile is valid only during the logon session.
5. To assign different languages for people to select at logon:
   a. Go to **Maintenance** > **People Information** from the Main Menu.
   b. Select **Access Profiles** and then select a Locale Policy from the **Locale Policy** drop-down list.

## Translation and customization

In addition to the translations provided, you can translate and customize the user interface using a language or terminology that is familiar to your users. From the Translation Support - Locale Support page, you can:

- Extract, customize and import text strings used by the user interface.
- Extract the text strings to Excel.
- Extract text strings from selected domains of the product (for example, Timekeeping, Scheduling).
- Extract text strings in their context (for example, exceptions).
- Use find and replace functionality when editing individual property files.

For example, you want to change the name of "Employee Timecards" to "Associates Timecards."

1. On the Translation Support - Locale page:
   a. Select **English** as the baseline language and specify the **United States** as the country.
   b. Select the **Timekeeping** domain and then select the **wtk_web-timekeeping_timecard_strings.propertie**s group.
   c. Click **Export**.
2. Open the downloaded **en_US.xls** file and locate the **html5.timecard.pages.title** key, then enter **Associates Timecards** in the TRANSLATED_VALUE column and save the file.
3. On the Translation Support - Locale page, click **Import**, then click **Choose File** and locate the **en_US.xls** file in the download folder. Click **Upload**.
4. Navigate to the Employee Timecards page, and verify that the title is now Associates Timecards.

# Implementation considerations

Because Workforce Dimensions is hosted in the cloud, implementation considerations are minimal, but you should be aware of the following:

- Workforce Dimensions device-specific support on page 42
- Workforce Dimensions supported data-collection devices (terminals) on page 43
- Use Workforce Dimensions from the keyboard or screen reader on page 43

## Workforce Dimensions device-specific support

Workforce Dimensions can be accessed through browsers on desktop and laptop computers as well as through tablets and mobile devices such as smartphones.

### Desktop requirements

| | CPU | Memory |
|---|---|---|
| Recommended for best performance | 4 Core Intel i7 2.3GHz or equivalent | 16 GB |
| Minimum | 2 Core Intel i5u 1.9GHz or equivalent | 4 GB |

### Browser support by operating system

| Browser | Windows 7 | Windows 10 | OSX | iOS | Android |
|---|---|---|---|---|---|
| Microsoft Edge | | ✓ | | | |
| Internet Explorer 11 | ✓ | ✓ | | | |
| Chrome | ✓ | ✓ | ✓ | | ✓ |
| Safari | | | ✓ | ✓ | |
| Firefox | ✓ | ✓ | | | |

### Mobile app: minimum operating system support

- Android OS
  - Phones and tablets with Android 6.0 and greater, and access to Google Services.
  - Zebra devices (TC51/TC52) with Android 6.0 and greater, and access to Google Services.
- iOS
  - iPad and iPhone: iOS version 12 or greater
- iPadOS
  - iPadOS version 12 or greater

## Workforce Dimensions supported data-collection devices (terminals)

Workforce Dimensions supports the following devices:

| Device Type | Part Number | Minimum Software/Firmware required |
|---|---|---|
| Kronos 4500 | 8602000-0xx | Not supported |
| Kronos 4500 | 8602004-xxx | 02.03.16 - 2.X.X* |
| Kronos 4500 | 8602800-0xx through -499 | 02.03.16 - 2.X.X* |
| Kronos 4500 | 8602800-500 through -999 | 03.00.18, 03.00.20 and greater (03.00.19 is not supported) |
| Kronos InTouch 9000 | 8609000-xxx | 02.02.02 and greater |
| Kronos InTouch 9100 | 8609100-xxx | 03.00.02 and greater |
| Kronos InTouch DX | 8610000-xxx | All versions |

*Server Initiated Communication via VPN Required.

**Note:** For customers migrating clocks from Workforce Central to Workforce Dimensions, it is required to update the clock to the latest version of Firmware that is available.

## Use Workforce Dimensions from the keyboard or screen reader

Workforce Dimensions can be accessed from the keyboard or a Non-Visual Desktop Access (NVDA) screen reader. The online help includes component-specific guidelines.

## General components

The Workforce Dimensions user interface contains a number of elements and controls. Accessibility recommendations include the following:

- **Glances** – Press the spacebar on a cell within timecard, Dataviews, leave and attendance, and scheduling to access a glance. You can use this option as an alternative to navigating from the action bar above the grid.
- **Grids** – When navigating through the grids, press the up-arrow key when in the first cell in the first row followed by Shift + Tab to exit the grid so you can access other components.
- **Slide-out panels** – For the best results with NVDA, access form elements and activate secondary slide-out panels, tab through the slide-out panels in focus mode and access read-only content in browse mode.

  Note that in some slide-out panels, using the Tab key (instead of arrow keys) to navigate through a list is the only way to select one or more options. Also, some radio buttons and check boxes can only be accessed using the Tab key, which will automatically populate the selection.
  - **Combo boxes** – Some combo boxes within slide-out panels can only be opened using the Enter key and options can be selected by using arrow or tab keys and pressing Enter to collapse the list.
  - **Check boxes** – You can navigate some check boxes and radio buttons by pressing either the Tab or arrow keys and using space to select and unselect options on slide-out panels.
- **Hyperfind** – When selecting locations in a Hyperfind, press the left arrow when focused on the drop-down list to delete a selection.
- **Drop-down menus** – On some drop down menus, there is a column header that is announced as a button when using NVDA; however, this is not an actionable element.

## Refine slide-out panels

- The best way to filter, group, or calculate information when using NVDA is to press space or Enter on the **Refine** button.
- Press Tab to access the tab index of filtering types and use the left and right arrow keys to select.
- Press Tab to access the **Search** input field.
- Press Tab to access the list of filtering options.
- Use the up and down arrow keys to progress through the list of filtering options.
- Press space to expand the accordion options.

- Press Tab to access the options list and use arrow keys and press Enter to select and collapse the accordion.
- Press Tab to access the **Cancel** and **Apply** buttons and press space or Enter to modify a Dataview.

> **Note:** There might be only one filter type on some Refine panels. The **Delete** button clears the last filter applied; this is not announced by NVDA.

### Information access

When tabbing through the column headers of the Dataview Library, the submenus contain options that can sort or calculate. When you select the sum or average options, the result appears on the column header title area. Press Shift + Tab to access this information.

> **Note:** NVDA may announce currency and time as it is displayed on the screen along with the column header title to indicate amount designation.

### Leave and attendance

The **View** button located on the My Calendar and Calendar from the Attendance details page can be activated with only the Enter key and tabbing to navigate to the view options.

### Scheduling

The **View** button, which is located on the **My Information** > **My Calendar** and **Calendar** from the Scheduling page, can be activated only with the Enter key and tabbing to navigate to the view options.

For optimum NVDA or keyboard results, access schedules in table view by pressing space or Enter on the **Table View** button

> **Note:** The current view is not announced when using NVDA. If the button for switching views says "table view," the inaccessible Gantt view is currently being displayed. Press space on this button to display the accessible table view; the button will say "Gantt view."

When tabbing through the week day column heads within the Schedule Planner grid, tabbing leads to the first shift within the table instead of the first column or check boxes or the second column of employee names. Use the left arrow to access this information.

When you are in the employee name column, press the left arrow to select or unselect all rows. Pressing the right arrow navigates back to the employee name column header and submenu.

When activating the **Quick Action** button, press Shift + Tab to navigate to the first option in the list that appears to the left of this button.

> **Note:** The Quick Actions menu and application to schedule shifts is not currently recommended when using NVDA. Using the glance menus while in the Schedule Planner grid accomplishes the same tasks.

When accessing events and requests in My Calendar or the calendar in general, the events and requests sometimes display the hour amount before the information and the hour amount after the actual event/request content. If using NVDA, these hour totals may be announced as times.

### Swap shift slideout panel

1. From the Main Menu, go to **My Information**> **My Calendar**.
2. Tab to the **New Request** button on the action bar.
3. Select **Swap** to activate the Request Shift Swap slideout panel.
4. Select **Swap Auto Approve** or **Swap Manager Approve**.
5. Tab to **Apply** to open a secondary slider
6. If you are using NVDA, switch to browse mode to select a shift by using the tab and arrow keys or by pressing **H** to get to day headings from the list of options

   > **Notes:** There are two buttons that can be selected. One button contains the shift duration and the other button contains details about the shift. Tab to **OK** to escape out of the Shift details button to return to the Select Shift slideout panel.

7. Select a shift by pressing space on the **Shift Duration** button. A secondary panel opens that contains a **Comment** button and a listing of available shifts to swap. There is also a drop down to select specific employees.
8. Press space on the desired **Shift Duration** button to automatically place focus on the **Submit** button and then press **Enter**. A slideout panel containing the details of the request is displayed. You can cancel by pressing **Enter** on the **Cancel Request** button or you can confirm the request by pressing the **OK** button, which closes the slideout panel
9. The employee whose shift was selected will see a notification in the Control Center where it can be approved or refused.

> **Note:** Press **Cancel** or **Escape** at any time during the request process to close out of this panel.

### Timekeeping

For the best results with NVDA, you access the timecard in list view. The **Accruals** and **Totals** add-ons also display in a list view if this view is selected.

Use the **Tab** key to navigate through the list and press space or **Enter** on the **More Details** button to open a side panel that contains detailed information pertaining to the specific employee and date.

> **Note:** NVDA announces time and hours the same especially when using the 24-hour clock.

### Additional accessibility notes

**Hyperfind selector** – Except for the button associated with the ad hoc option, you can access the Hyperfind selector using the keyboard with NVDA. Currently, the Hyperfind editor that can be accessed from the Hyperfind selector is not optimized for NVDA and keyboard users.

**People Information** – The People Information component is not recommended for use with NVDA at this time.

**Schedule Planner** – The Schedule Planner grid is not currently announcing row and column headers when using NVDA. Using the arrow keys is the best method for accessing this grid.

# Documentation modifications for R6

No documentation modifications were made for R6.

# Known Issues

There are no known issues as of the R6 release.

# Resolved issues

## R6, Express Upgrade 6 (3/25/20)

The issue(s) below were resolved for the R6 EU 6.

### KPI

| | |
|---|---|
| FLC-81538/ *WFD-7363* | The dataseed activity was failing for certain tenants in the CFN HA cluster. |

### Timekeeping

| | |
|---|---|
| FLC-85067/ *WFD-8362* | When trying to edit the timecard of some employees, the following error appeared: "*Error Can't overwrite cause with java.lang.IllegalStateException: Can't overwrite cause with java.lang.NullPointerException*". |

## R6, Express Upgrade 5 (3/18/20)

The issue(s) below were resolved for the R6 EU 5.

### Microsoft Outlook Plug-in

| | |
|---|---|
| FLC-82451/ *WFD-7686* | The system icon was not appearing on the screen until an email was accessed. It should have appeared upon load of Outlook. |
| FLC-82259/ *WFD-7646* | Outlook integration in SSO (Single Sign-on) environment was not working. |

### Platform

| | |
|---|---|
| FLC-82784/ *WFD-7757* | When selecting "All Home & Transferred In" Hyperfind in a dataview, all employees were displayed when selecting more than one day in the date picker. With only one day selected in the picker, it would only show "your" employee group. Only employees who report to the manager and those who transferred into the manager's employee group should have been visible. |
| FLC-76751 | Existing user sessions were not being invalidated after a password change. |

All sessions/tokens are invalidated after an employee changes their password via the self-service Edit Profile page or after the employee's manager changes the employee's password via the People Information page. The employee must log in using their new password to regain access.

FLC-72308 Existing user sessions were not being invalidated after an account lock.

All sessions/tokens are invalidated after an employee's account is locked. The employee must log in using their new password to regain access.

## Scheduling

FLC-83679/ *WFD-8014* Shift Swap was not displaying expected employees in available shifts for multiple days.

FLC-82691/ *WFD-7738* API calls to `v1/scheduling/schedule/multi_read` returned schedule information, but failed to Include transfer information until hours after the transfer had been entered.

## Timekeeping

FLC-84617/ *WFD-8227* Prior to R6, work span ids matched the shift id in the output from `v1/timekeeping/timecard/multi_read`. In R6, the first span in the output matched the shift id, but subsequent spans were incremented. The work span ids should match the shift id.

FLC-83859/ *WFD-8036* When running a Punch / PCE import integration, records would fail and the following error appeared: *WTK-113027: Invalid Request. Effective date must be after employee's hire date*.

FLC-83782/ *WFD-8021* The system was ignoring personal overtime rules and assigning incorrect pay codes in employee timecards.

FLC-83654/ *WFD-8001* Certain decimal amounts were being changed when imported through the `v1/timekeeping/pay_code_edits/import` API. For example, 1.78 hours was changed to 1.77 hours. These were decimals that had a valid minute translation in the decimal-to-minutes conversion.

FLC-81389/ *WFD-7407* Performance issues: Long lag times when navigating/accessing Hyperfinds.

### Work

| | |
|---|---|
| FLC-84601/ *WFD-8214* | All Tenants unexpectedly showing "Work" Entitlements assigned (through **App Setup > System Configuration > Entitlement Summary**). |

## R6, Express Upgrade 4 (3/11/20)

The issue(s) below were resolved for the R6 EU 4.

### HCM

| | |
|---|---|
| FLC-82929/ *WFD-7812* | When logging onto Workforce Dimensions, the browser needed to be refreshed to get the full menu of WFD and HCM. Refresh should not have been necessary. |

### OrgMap

| | |
|---|---|
| FLC-82081/ *WFD-8167* | Updating location did not update transferable "child," causing data corruption. |

### Scheduling

| | |
|---|---|
| FLC-83477/ *WFD-7957* | When requesting time off for a scheduled day in the employee's schedule, the following error occurred: *Error Cannot override the accrual days of a pay code edit that doesn't use a standard hours pay code.* No error should have occurred and the pay code associated with the request should have been added for the day in the schedule. |
| FLC-81931/ *WFD-7549* | The following problem was occurring when a change was made to an employee's Schedule Group in the people record, Sometimes the 'old' pattern was removed correctly; other times the pattern that was applied to the employee from the Schedule Group was not removed and became an 'ad hoc' shift that had to be removed manually. |

### Timekeeping

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|---|---|
| FLC-83999/ *WFD-8073* | An error was appearing on the dashboard Reports tile instead of the chart. You could click through the error and get the chart, but the error should not have been appearing. |
| FLC-83565/ *WFD-7969* | In the timecard, when moving hours from one paycode to another, a balance was left in the old paycode. |

FLC-83549/ *WFD-7968* The holiday credit rule averaging was incorrectly calculating.

FLC-81977/ *WFD-7557* When trying to remove Sign Off for two employees, '*Error Previous sign-off has not yet completed*' appeared. This was preventing the employees from being resubmitted to the background processor (BGP) for totalization.

## R6, Express Upgrade 3 (3/4/20)

The issue(s) below were resolved for the R6 EU 3.

### Forecasting

FLC-82963/ *WFD-7821* Level 1 access to Forecasting data was not working.

FLC-82479/ *WFD-7667* When the Labor Constraint Engine was run, the engine ran successfully, but no System Adjusted Labor Forecast was produced.

### Information Access

FLC-81505/ *WFD-7414* When attempting to delete a column or add a new chart within a work dataview, the following error appeared: *Error WCO-106715 Invalid cardid 4775 found*.

### Platform

FLC-79845 *WFD-7057* One click navigation link in email notifications would display the URL of a previous tenant.

### Scheduling

FLC-83899/ *WFD-8034* The Coverage Chart in the schedule was not correctly calculating the total amount of jobs for all employees when the "Total Jobs" option was selected in the "Jobs" drop down list. It only showed one employee for any day, despite there being days where multiple employees were scheduled with different jobs.

FLC-83844/ *WFD-8040* The Date Picker in the Schedule Planner calendar was showing Sunday - Saturday, even though the Schedule Period started on Monday and the Locale Policy "Week Start Day" was set to Monday. The Date Picker calendar in the Timecard did not have this issue.

FLC-83749/ *WFD-8027* Employees with On Call Schedule Tags were not receiving On Call pay in their Timecards because the On Call Schedule Tag Work Rule Transfer had been removed. When managers tried to re-add the Schedule Tag they received the error message "The Schedule Tag does not allow work rule to be specified".

FLC-82899/ *WFD-777* A custom report (employee's schedule as reflected in Schedule Planner) stopped printing out data. The report would finish, but contained no data where the schedules should have been.

### Timekeeping

FLC-82738/ *WFD-7749* The Lock Payroll operation for "previous pay period" was not working.

FLC-82762/ *WFD-7752* Accrual balance resets using decimal *HH.hh* values were permitted using invalid decimal values. Instead of converting the invalid decimal values, the invalid amounts were being accepted as is.

FLC-83846/ *WFD-8041* Employees who had a shift with a scheduled break built in and an in-punch were showing phantom punches for return from break and out-punch when they should not.

FLC-83661/ *WFD-7990* The `minutesSinceLastPunch` was calculating incorrectly. It was basing on the employee's projected punches instead of the last actual punch in the timecard.

FLC-80789/ *WFD-7233* Pay code edits using "full schedule day" symbolic amount was using the employment term's time-off rule when it should not have been.

### UDM

FLC-83843/ *WFD-8017* Punches from the clocks were not allowed after the timecard had been approved. The punches were being sent to the transaction assistant (TA). If submitted from the transaction assistant, they would process successfully. This should have been allowed, as the global setting `global.udm.dataCollection.allow.transactions.after.timecard.approval` was set to set to “True”.

FLC-83599/ *WFD-7986* Since being upgraded to R6, the last communication status for devices in UDM was intermittently showing "*invalid date invalid date*". After a refresh of the screen, the last communication date would show the correct date and time.

FLC-83330/ *WFD-7927* Scheduled events in Event Manager were getting stuck in an "*Executing*" state and would not finish (even after accessing Event Manager in UDM and using the "run" button).

## R6, Express Upgrade 2 (2/26/20)

The issue(s) below were resolved for the R6 EU 2.

### Payroll

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|---|---|
| FLC-82477/ | When running the payroll export version 2 integration, the following error appeared: "*The value for the property is not valid - Name: Symbolic Qualifier, Value: Current_Payperiod*". |

### Scheduling

| | |
|---|---|
| FLC-81359/ *WFD-7393* | When trying to enter the last number of days of an accrual balance either through the schedule or enter time off as an employee, an error appeared indicating the accrual balance was overdrawn (even though there was sufficient balance available.) |
| FLC-80629/ *WFD-7242* | When attempting a shift swap, employee was not seeing the expected list of available shifts. Searching for a specific employee resulted in the message "*There are no items to display.*" |
| FLC-74915 *WFD-5977* | There was a large difference in loading times between UAT and TST environments. The TST environment was loading quite slower. |

### Timekeeping

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|---|---|
| FLC-83547/ *WFD-7978* | On the Timecard landing page, no data appeared and the following error occurred: "*Information Data within EMP_COMMON_ID, EMP_COMMON_PHOTO_ID, Employee Full Name and 2 more columns cannot be retrieved. Contact your system administrator.*"<br>If you then changed the symbolic date range to a "schedule" based date range, the error disappeared and data showed. Reverting back to any "pay" based symbolic date range resulted in no data again (without the error message.) |
| FLC-83164/ *WFD-7872* | Employee timecard was displaying the following error messages when selecting previous, current, or next pay period: "*The query result exceeded the maximum threshold 50000*" and "*There are no items to display.*" |
| FLC-82895/ *WFD-7764* | In the Timecard add-on (in R6), the Accrual tab was displaying before the Totals tab. This was a change in the display order from the pre-R6 version. |

FLC-82478/ *WFD-7650* Paycode totals added from holidays were not counting towards overtime limit. Manually adding the same paycodes would correctly count towards overtime.

FLC-82371 *WFD-7668* The location search function was not working properly in Schedule Planner and Dataviews, When selecting Locations and a Store number in the search field, the search was returning all jobs and not departments.

FLC-81733/ *WFD-7480* When using `POST v1/commons/data/multi_read` to return data for a shift with a work rule transfer, no data was returned for the TK_WSS_WKS_WORKRULE and TK_WSS_WKS_IS_XFR_WORKRULE keys. Both keys should have returned data when a work rule transfer applied to the worked span.

FLC-80808/ *WFD-7288* The Wage Adjustment Rule should trigger when transferred into an assigned Labor Category. The Adjustment Rule with Wage Type Trigger was not working; however the Bonus Type Trigger for the same Labor Category did work.

## R6, Express Upgrade 1 (2/19/20)

The issue(s) below were resolved for R6 EU 1.

### Scheduling

FLC-78188/ *WFD-6693* Screen was flashing when attempting use Schedule Planner, rendering the system unusable.

FLC-72647/ *WFD-5509* When creating a schedule pattern of *Monday - Friday*, the assigned pattern to the employee was returning a pattern of *Tuesday - Saturday*.

### Timekeeping

FLC-75722/ *WFD-6164* Totalizer issues; employee "stuck".

FLC-72058/ Delegate Manager was unable to perform timecard functions that the Role Profile's assigned Function Access Profile was configured to allow.

## R6 (2/19/20)

The issues below were resolved for R6.

### Analytics

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|---|---|
| FLC-73800/ *WFD-5764* | When users attempted to modify an existing target using KPI Builder > Target Management, the following error appeared:<br>"WFP-103286 You cannot change the currency after it is defined for a target." |

### Attendance

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|---|---|
| FLC-79938/ *WFD-7086* | With an absence exception and a worked paycode applied, the unexcused absence was not suppressed as it should have been. |
| FLC-78831/ *WFD-6818* | When Attendance Apply Rules ran and an edit was made, events between the last apply rules and sign off did not process. |
| FLC-77953/ *WFD-6638* | Opening the Processor Event Manager page caused an error. |

### Common Business

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|---|---|
| FLC-80174 | A tenant was failing in Authn while doing password rotation. |
| FLC-79628/ *WFD-7019* | Users with names containing commas were unable to be inserted into the IDP. |

### Common Components

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|---|---|
| FLC-78567/ *WFD-6727* | When creating an ad hoc Hyperfind with more than five reports to managers, an undefined error message appeared. |
| FLC-70319/ *WFD-5066* | When updating the Business Structure using the API `commons/locations/multi_update`, the behavior was different than what occurred in the user interface (UI). For example, when attempting to update a name or description on the Business Structure through the API, changes were allowed without an effective date change (which is different behavior than the UI.) |
| FLC-68215/ *WFD-5857* | The Retrieve Location Set by Name (`GET /v1/commons/location_sets`) API returned location sets in a flat, inefficient structure that did not facilitate navigating locations in a tree format. |

## Information Access

| | |
|---|---|
| FLC-80998/ *WFD-7329* | When editing certain tiles, the following error appeared:<br>"Error: A Tile with ID <number> does not exist." |
| FLC-80160/ *WFD-7111* | Charts on the Dataview Dashboard and Homepage were listing different data when 'Transaction Type' was one of the columns in the underlying Dataview. |
| FLC-79495/ *WFD-6990* | The Execute Report by Name (`POST /v1/platform/reports/{ReportName}/execute`) API operation would fail with certain large HyperFinds |
| FLC-78206/ *WFD-6698* | When logging into the tenant as a named account, the My Notifications tile never loaded and a spinning blue wheel displayed. |
| FLC-77568, FLC-75997/ *WFD-6561, WFD-6202* | When using SDM, the following error appeared in Publish History when publishing Data View Profiles from one tenant to another:<br>"Item Name: <name of item> Not Found." |
| FLC-77091/ *WFD-6458* | After the Budget Adherence chart has been added to a tile to be displayed on the Home page of an employee, when the Employee logged in, the tile did not include the chart, and the following error appeared:<br>"Chart data could not be retrieved data for the column(s) : KPI_TGT_COREFIXEDTHRESHOLDTEXT_METRIC_ACTUAL_AMT, KPI_METRIC_ACTUAL_AMT." |

## Integration Hub

| | |
|---|---|
| FLC-82586/ *WFD-7724* | When running the WFTSPeopleExport-v1 IPack, the process failed with a message: "*Integration process failed.*" The run details indicated that all processed records failed. |
| FLC-81414/ *WFD-7427* | Integrations failed for multiple accounts with error 502: Bad gateway |
| FLC-77166/ *WFD-6482* | The Payroll Based Journal integration pack failed because the Clean file type did not remove negative values, and no error log recorded the invalid hours. Corrected business rules have resolved this error. |

### Leave

FLC-79772/ *WFD-7046* Not all types of Leave requests displayed on the calendar.

FLC-77659/ *WFD-6570* When a user was a listener of a reviewer list for Leave of Absence cases, they could not clear read notifications from the My Notifications tile.

FLC-76763/ *WFD-6380* When a Leave rule was assigned to a leave case the following error generated:

*Error Unknown Error. Please contact the Administrator*

### Platform

FLC-80321/ *WFD-7178* When a Time off request was submitted, the employee did not have a manager, and was assigned the Mexican Spanish locale the error message was in English.

FLC-80056/ *WFD-7104* Multiple Application Setup pages were not translated in a Japanese locale.

FLC-79779/ *WFD-7039* When the Locale policy was set to Japanese, users could not add new employee visibility periods.

FLC-79701/ *WFD-6966* On tenants on which high CPU usage was observed, threads were intermittently blocked and unblocked from processing.

FLC-78177/ *WFD-6691* After the transition to Daylight Savings Time (DST), scheduled JVM events started logging errors.

FLC-78077/ *WFD-6642* Scheduled integration run times did not match the corresponding times in the Event Manager. Changes to processing of Daylight Savings Time (DST) shifts have resolved this error; the times now match.

FLC-77299/ *WFD-6498* When a pay-period Workflow Notification was migrated via SDM from one tenant to another, the values of the Recipients, Pay Period, and Send parameters from the source were not retained.

FLC-75415/ *WFD-6079* Scheduled "Daily Labor Report - Innisfail Admin & Operations" resulted in error when scheduled to run.

FLC-74491/ *WFD-5895* Deadlocked threads were blocking the Background Processor (BGP) server from processing.

FLC-74988/ *WFD-5979* A large number of nginx HTTP server processes that were in a closed-wait status consumed the open file limit on a tenant.

FLC-73060/ *WFD-5611* Managers were only intermittently receiving notifications via Email or Control Center after employees successfully submitted time-off requests.

FLC-72611/ *WFD-5520* After employees entered a punch that included an attestation question from any device (Mobile, Terminal, or Workstation), the IP address that was displayed in the timecard audit trail was incorrect.

### Scheduler

FLC-80594/ *WFD-7237* When adding a team to a Team Definition with an associated Personal Hyperfind, the new team name did not display in the Team Definition list. Attempting to re-add the same team name resulted in a message that a unique name must be used.

FLC-80543/ *WFD-7193* When attempting to view schedule audits on the Audit tab in the Schedule, a "Cannot read property 'qualifier' of undefined" error appeared.

FLC-80460/ *WFD-6687* The data migrator tool (v5.0.0.21) did not convert any Employment Terms that had a name consisting of only numbers and no error was included in the log file.

FLC-80376/ *WFD-7194* When a manager was assigned the All Pattern Template profile in People Information, the pattern templates in the Schedule Planner displayed in random order instead of in alphanumeric order as expected.

FLC-80291/ *WFD-7157* After a new location was assigned to a Schedule Zone Set or Shift Set, the following error occurred when opening the Workload Planner:

"*Warning: The business structure was changed for the selected time period, and the workload planner cannot display these time periods Select one of the following periods."*

FLC-80252/ *WFD-7146* When trying to implement a Time Off Request by submitting a "First Half Day" request following a previously created "Second Half Day" for the same day, the user received the error "Unknown Error has occurred" and the request was not processed.

FLC-80142/ *WFD-7133* When editing an existing employee visibility period in **Maintenance > Employee Visibility Periods**, attempting to add a hyperfind query after selecting the Multi Group option resulted in the following error:

"Error cannot read property "1" of null."

FLC-80020/ *WFD-7110* Some users were only able to view or configure a subset of metrics indicators in **Application Setup > Scheduler Setup > Metrics Setup > Indicators** despite the fact that their Scheduling entitlement should have enabled them to have access to more indicators.

FLC-80008/ *WFD-7102* When editing an Organizational Set that had an ampersand (&) in the name, the Set Name and Description fields displayed as blank. If users re-entered the original Organization Set name and included the ampersand, it would not allow them to save it.

FLC-79998/ *WFD-7096* The Retrieve Rule Set by ID API returned a different Schedule Rule Set name on the NPR tenant than on the PRD tenant.

FLC-79946/ *WFD-7087* Administrators were unable to edit existing request periods for Open Shift, Self Schedule, and Shift Swap visibility periods. They received the error: *"Error Operation not permitted. FAPs disallowed: schedule and open shift visibility options."*

FLC-79848/ *WFD-7072* When the selected Procedure Set in the Call List used a matching rule for Job Transfer Set Only, employees who did not have a particular job in their job transfer set but had a matching primary job were being returned as eligible for the shift.

FLC-79776/ *WFD-7056* When managers used a Procedure Set in the Call List to find qualified employees, different results were produced when that same Procedure Set was subsequently selected.

FLC-79730/ *WFD-6992* In **Scheduler Setup > Shift Templates**, there was no vertical scroll bar on the Tags drop-down menu, which resulted in some options not being visible on small screens or browsers that were zoomed out.

FLC-79667/ *WFD-7029* The Schedule Generator was incorrectly scheduling employees for shifts that violated the "Maximum hours per week that the employee can be scheduled" rule.

FLC-79666/ *WFD-7031* When a manager edited hours for an employee's Time Off Request, the edited hours did not apply to the schedule after the request was approved.

FLC-79565/ *WFD-6993* System-generated email notifications were incorrectly showing a time stamp that was one hour behind the default time zone setting for the tenant.

FLC-79434/ *WFD-6960* When identical Schedule Periods were set up in a UAT and a PRD tenant, the Schedule Planner displayed differently in both tenants.

FLC-79411/ *WFD-6963* The "Maximum hours per day that the employee can be scheduled" rule violation was incorrectly being triggered when the schedule was saved instead of when shifts were assigned to employees who violated the rule.

FLC-79410/ *WFD-6947* Open shifts assigned to employees under the selected locations were not being assigned after schedule generation had been run successfully.

FLC-78949/ *WFD-6862* When an employee's availability was edited for a Schedule Pattern, where the start date was modified to fall on a Sunday, the pattern was incorrectly changed to start on a Tuesday.

FLC-78947/ *WFD-6861* The Schedule Generator was not creating shifts that covered a specific time period where labor demand was required.

FLC-78763/ *WFD-6812* Grid lines were randomly missing between some columns and between some rows in the Schedule.

FLC-78572/ *WFD-6756* When creating employment terms with Schedule as the source, using the `/v1/timekeeping/setup/employment_terms` API, the following error occurred:

*"WTK-08318: 'Amount from' is a required field when Specified Amount is selected. Enter the number of hours in the amount field for SWE-Daily for OT."*

FLC-78297/ *WFD-6721* When editing a calendar in **Setup > Calendar Views Setup > Calendar Configuration**, the Available and Visible schedule items were displayed in Spanish instead of English.

FLC-77270/ *WFD-6442* Employees were unable to accept Shift Swap requests if the Submitter did not have a "Reports To" manager assigned to their People Record.

FLC-77040/ *WFD-6464* When managers did not have access to the Work Rule associated with a Schedule Tag, and they assigned the Schedule Tag to an employee, the Schedule Tag was incorrectly created with that Work Rule instead of being created without a Work Rule transfer.

FLC-76917/ *WFD-6436* A `v1/scheduling/volume/multi_read` API request took an unexpectedly long time to run and generated multiple errors.

FLC-76894/ *WFD-6419* Users were unable to disable Request Time Off Comment and Notes from the My Time Off Tile even when the assigned FAP indicated that comments and notes were disabled.

FLC-76641/ *WFD-6257* Labor categories were not displayed as expected on employee timecards or in Dataviews.

FLC-76443/ *WFD-6331* After creating an employee using the `/v1/commons/person` API, and then attempting to assign the Schedule Rule Set using the `/v1/commons/persons/schedule_rule_sets/multi_upsert` API, the following error intermittently occurred:

*"WFP-00753: The data was modified by another user while you were working on this page. Your edits can not be saved. Please refresh your data and try again."*

FLC-76003/ *WFD-6245* When an employee was removed from a Schedule Group, future shifts related to the Schedule Group were not removed. When an employee was assigned to a new Schedule Group, shifts from the Schedule Group were not applied to the employee.

FLC-75998/ *WFD-6236* Managers were receiving Approvals under My Requests, instead of the employees.

FLC-75500/ *WFD-6106* Multiple employees had duplicate assignments for the same schedule group, which caused duplicate shifts to be created in the schedules for those employees.

FLC-75068/ *WFD-6006* Users were able to save shifts that violated configured minor rules and shouldn't have been allowed to be saved.

FLC-74867/ *WFD-5935* Notification alerts and employee Time Off Request refusal alerts are not being received by managers and employees.

FLC-73809/ *WFD-5780* The duration time for the `v1/scheduling/staffing_assistant/apply_read` API to execute was longer than expected.

FLC-72416/ *WFD-5444* Employees that were not included in any schedule groups with a shift pattern and did not have a shift assigned to them were displaying in the Schedule with assigned shifts.

FLC-71655/ *WFD-5337* The Schedule Generator was not allocating shifts to the correct locations as specified in the planned workload, resulting in employees being over-scheduled.

FLC-70931/ *WFD-5183* When a workload Schedule Zone Set name or Shift Set name was modified, the Staffing Matrix and Workload Planner were not updated to reflect the change and an error occurred when the Workload Generator was run.

FLC-69117/ *WFD-4841* Time Off Request (TOR) Notifications did not automatically update to "Mark as Read" for other managers included in a Reviewer List assigned to Approval Settings if one of the managers had "Refused" the TOR Notification Request Submission.

FLC-66703/ *WFD-4436* The `/v1/scheduling/schedule/shifts/multi_create` API was intermittently not properly creating shifts. The shifts were displaying in the schedule audits, but were not displaying in the schedule.

FLC-44945/ *WFD-757* The `/commons/location_sets/multi_read` API was not returning all node references.

### Tenant Management

FLC-78500/ *WFD-6751* Deleted tenants were still being referenced by WFM nodes.

### Timekeeper

FLC-81403/ *WFD-7411* When uploading a translation file, the following error appeared even though the translation was updated:

*Error No Valid Keys Provided*

FLC-81310/ *WFD-7397* When importing a paycode edit for a duration paycode using the `v1/timekeeping/pay_code_edits/import` API, the following error message appeared:

*"errorCode": "WTK-125124",*

*"message": "Invalid Request. amountType is required."*

FLC-81196/ *WFD-7371* When adding automated break settings to a work rule, upon save the following error message appeared:

```
"Error Exception with template "nlink": Define tag cannot set a null value"
```

FLC-80804/ *WFD-7287* In a timecard with the previous pay period selected, when attempting to select an overtime exception, the following error appeared:

*ERROR: NGUI-00186 Internal Error. Please, contact your administrator.*

FLC-80639/ *WFD-7248* Timekeeping alerts were sent to employees even though “Send to employee” was not selected in the workflow notification.

Note that if you do want specific timekeeping alerts to be sent to employees, verify that the “Send to employee” option is selected in those timekeeping alert workflow notifications.

FLC-80599/ *WFD-7238* When using the `v1/timekeeping/employee_timecard/multi_read` API call, for a shift that spanned the day divide at midnight, two worked shift spans were returned instead of one.

FLC-80430/ *WFD-7210* After importing a translation file into the system, when the timecard was opened, the paycodes were not translated as expected.

FLC-80325/ *WFD-7179* In **Application Setup > Common Setup > Document Templates**, after uploading a new version of the Attendance Disciplinary document, the Date Uploaded column did not reflect the new date.

FLC-80313/ *WFD-7163* In the timecard, when users utilized the zoom feature in their browser, they were no longer able to view all of the dates in the timeframe selector and they could not view the Cancel or Apply buttons.

FLC-80145/ *WFD-7134* When attempting to assign an employment term that had multiple effective dated versions, the following error message appeared if the effective dates for the employment term in People Information spanned multiple employment term versions:

“The start and end dates do not fall within the same Employment Term version.”

FLC-80073/ *WFD-7123* When using `POST /v1/timekeeping/timecard/multi_read` for a punch export integration, the following error message appeared:

*{ "errorCode": "API-10001", "message": "Some Internal Server Error Occurred. Please contact System Administrator." }*

FLC-80037/ *WFD-7113* When adding paycodes to a percent allocation rule trigger, after saving the trigger, the added paycodes were not saved.

FLC-79977/ *WFD-7063* When attempting to delete a punch from a timecard in the current pay period, the following error message appeared:

```
Error You cannot make this edit because the edit affects totals
outside the loaded timeframe. Change the timeframe to include the
affected date and try again. Date affected: 1/15/2020
```

FLC-79770/ *WFD-7043* In a dataview, when performing an accruals payout on a day based accrual policy that only had an hour based takings paycode, the following error message appeared:

*Error: DurationInHours is required when AmountType is set to HOUR.*

FLC-79752/ *WFD-7030* When selecting all rows in a Dataview and then selecting **Track Time > Add Pay from Schedule**, a "Page Not Found" error appeared.

FLC-79341/ *WFD-6952* The Create Proficiency Level (`POST /v1/scheduling/proficiency_levels`) API operation request model body on the Developer Portal incorrectly listed the "proficiencyLevelNumeric" property as "getproficiencyLevelNumeric".

FLC-79299/ *WFD-6942* After performing an employee search from the home page, a user selected all of the search results and opened the timecards for those employees. The user then performed another search from within the employee timecards page and selected an employee from the drop-down list. The timecard loaded, but not with the employee the user had selected from the list.

FLC-78993/ *WFD-6882* In the timecard, overtime totals were not calculating correctly when the display profile indicated the duration format in decimals. When the duration format was changed to minutes, overtime totals calculated correctly.

FLC-78955/ *WFD-6866* When editing a combined paycode, after clicking the calendar and specifying an “Apply As Of” date of March 12, 2019 (12/03/2019 in UK date format), upon save the date changed to US date format (03/12/2019).

FLC-78843/ *WFD-6819* When running a standard or custom Time Detail Report, the system indicated the report completed successfully. However, when the report was opened, the following error appeared:

"WFM-COMMON-1234 Failed to retrieve some data from the providers (Start Date Time, Apply Date, Transaction Type, End Date Time, Paycode Name, Actual Hours)".

FLC-78792/ *WFD-6825* When attempting to create an Employee View dataview, multiple fields in the Entity column were blank, such as the entities for “Unallocated Hours” and “Last Allocated Date Time”.

FLC-78789/ *WFD-6797* An employee, whose holiday credit rule paid holidays based on hours from the schedule, was incorrectly credited for 7 hours on a holiday that they did not have a schedule for.

FLC-78698/ *WFD-6795* A historical correction for the same amount, paycode, and historical date repeatedly appeared for one particular employee.

FLC-78670/ *WFD-6771* In the timecard, accrual codes on the Accruals tab and paycode translations were not translated into German correctly.

FLC-78411/ *WFD-6747* In a Dataview containing information about which employees were on premises, data indicated some employees were on premises despite the fact that they had punched out for the day.

FLC-78336/ *WFD-6674* When viewing a timecard with the Current Schedule Period timeframe selected, data did not appear in the Daily or Period columns.

FLC-78075/ *WFD-6664* When viewing a delegation list from the **Main menu > Settings** (the gear icon), a scroll bar did not appear and the user could not view the entire delegate list.

FLC-77902/ *WFD-6636* After changes were made to some cost centers on a business structure, employees with a primary job associated with this change had transfers appeared in their schedule and timecard due to the cost center change. Transfers should not have appeared in the timecard or in the schedule to indicate this change, the cost center change should just be effective on the date the update was made on the business structure.

FLC-77895/ *WFD-6628* Some users experienced duplicate data issues for missed out punches that occurred in the next pay period.

FLC-77775/ *WFD-6520* When viewing the timecard of a terminated employee up to their termination date, data was returned in one environment but data was not returned in the production environment.

FLC-77564/ *WFD-6544* In the timecard, projected punches for future-dated punch edits were displayed for a manager whose FAP setting for Display Projected Punches was set to Disallowed.

FLC-77401/ *WFD-6516* In the timecard, when the selected timeframe was Previous Pay Period, the shift total was missing for a shift that occurred on the last day of the time period and crossed the day divide. In addition, a flanking day was added to the timecard that was not part of the selected timeframe.

| | |
|---|---|
| FLC-77339/ *WFD-6514* | When attempting to open the timecard for a specific employee, the employee failed to totalize, and the following error appeared:<br>"Error 2556: null". |
| FLC-77288/ *WFD-6493* | For users who had access to all work rules and all configuration, when accessing the transfer panel from the schedule planner, a work rule that was configured and should have been available did not appear in the drop-down list. |
| FLC-76612/ *WFD-6347* | After adding comments to an exception in the timecard and then refreshing the timecard, the comments disappeared. |
| FLC-76603/ *WFD-6362* | When a business structure transfer was performed on the first shift, intermittently the transfer was not applied to later shifts when the employee returned from their break. If this occurred, the employee's primary job was applied to the later shift segments. |
| FLC-76230/ *WFD-6282* | In the timecard, the Audit add-on listed a different break than the Rule Analysis Report. |
| FLC-76197/ *WFD-6231* | In Dataviews and the `/v1/commons/data/multi_read` API, Primary Job columns listed the currently assigned Primary Job when using symbolic time periods, even if the employee was assigned a different job during that period. |
| FLC-76077/ *WFD-6248* | When the Shift Builder Criteria setting "Rollout for inactive employees" was set to "yes" and a Schedule pattern of paycodes was created for an inactive employee, the scheduled paycodes did not appear in their timecard. |
| FLC-76012/ *WFD-6252* | A public holiday credit and an auto-resolved exception occurring on the same day canceled each other out and resulted in the employee not receiving any pay for that day. |
| FLC-75806/ *WFD-6185* | When justifying an exception with a duration paycode, break deductions specified in the work rule were not deducted from the daily hours. |
| FLC-75597/ *WFD-6131* | In the timecard and in the schedule, grid lines were randomly missing between some columns and between some rows. |
| FLC-75516/ *WFD-6118* | When justifying an exception with a duration paycode, the work rule in the employee's employment term was not invoked as expected. |

FLC-75502/ *WFD-6105* In a dataview, accrual columns that represented numbers in days did not include decimal places.

The SCALE metadata value for the following fields was changed from 0 to 2 to accommodate this update. Note that if you are using the following data columns in integrations, these columns will now return values with two decimal places.

Accrual Daily Balances entity:

•TK_AS_DLY_SMRY_AVBL_BLNC_DAYS - Available Balance (Days)

•TK_AS_DLY_SMRY_CURR_BLNC_PROB_DAYS_AMT - Current Probationary Balance (Days)

•TK_AS_DLY_SMRY_CURR_BLNC_VSTD_DAYS_AMT - Current Vested Balance (Days)

•TK_AS_DLY_SMRY_ERND_TODATE_DAYS - Earned to Date (Days)

•TK_AS_DLY_SMRY_PLN_TKNG_DAYS - Planned Takings (Days)

•TK_AS_DLY_SMRY_PNDG_GRNT_DAYS - Pending Grants (Days)

•TK_AS_DLY_SMRY_TKN_TODATE_DAYS - Taken to Date (Days)

Accrual Reporting Period Balances entity:

•TK_AS_RPRT_PRD_END_BLNC_PROB_DAYS_AMT - Ending Probationary Balance (Days)

•TK_AS_RPRT_PRD_END_BLNC_VSTD_DAYS_AMT - Ending Vested Balance (Days)

•TK_AS_RPRT_PRD_OPN_BLNC_PROB_DAYS_AMT - Opening Probationary Balance (Days)

•TK_AS_RPRT_PRD_OPN_BLNC_VSTD_DAYS_AMT - Opening Vested Balance (Days)

•TK_AS_RPRT_PRD_PRIOR_END_BLNC_PROB_DAYS_AMT - Prior Period Ending Probationary Balance (Days)

•TK_AS_RPRT_PRD_PRIOR_END_BLNC_VSTD_DAYS_AMT - Prior Period Ending Vested Balance (Days)

Accrual Transactions entity:

•TK_ACCRUAL_TRANSACTION_DAYS_AMOUNT - Accrual Amount (Days)

•TK_ACCRUAL_TRANSACTION_LIMIT_DAYS_AMOUNT - Limit Amount (Days)

•TK_ACCRUAL_TRANSACTION_PROBATION_DAYS_AMOUNT - Probation Amount (Days)

FLC-75380/ *WFD-6040* In the Exceptions report, some data in the Actual Punch Date Time column was incorrect.

FLC-75184/ *WFD-6032* When attempting to perform a labor category transfer from a device (Kronos InTouch/Kronos 4500), when users selected an All Entries system list, no labor category entries appeared.

FLC-74569/ *WFD-5918* When initiating a download, multiple requests were submitted causing an out of memory condition.

FLC-71700/ *WFD-5347* The following error message related to the background processor appeared on multiple tenants: "DEF-00000 A database foreign key violation work_shift_segment_end_punch_id_fkey".

FLC-66964/ *WFD-4477* In the timecard, when reviewing projected calculations in the future, holiday credits were not included in the projected totals.

FLC-60057/ *WFD-5109* When a web-based attestation workflow or a missed punch workflow sent an employee to the timecard, the workflow did not end until after the employee completed the timecard task and clicked the Continue button. To ensure that attestations are presented appropriately and that punches are collected, the workflows have been reconfigured to, respectively, present the attestation appropriately or collect the punch, end, and then send the employee to the timecard.

### Universal Device Manager

FLC-80358/ *WFD-7184* Offline ATK transactions were not being collected once communication was re-established to server.

FLC-80211/ *WFD-7152* UDM status indicator was showing and incorrect (Ok) status for a disconnected device.

FLC-79403/ *WFD-6968* When using the Approve Timecard or View Timecard Smart View at the clock, holidays were not being shown. The holidays were showing in the View Totals Smart View.

FLC-79274/ *WFD-6934* Approve button at clock immediately shows "Remove Approval" even when the employee had never approved timecard and manager had approved.

FLC-78787/ *WFD-6822* *"Security_validation"* error was occurring when trying to create a configurable transaction for a device configuration profile.

FLC-77298/ *WFD-6475* The Update Employee Photo event/process was removing the employee photo from the device.

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**Document Revision History**

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| A | February 2020 |
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| F | March 2020 |
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