

What's New for Oracle IoT Connected Worker Cloud Service

As soon as new and changed features become available, Oracle IoT Connected Worker Cloud Service instances are upgraded in the data centers where Oracle Cloud services are hosted. You don't need to request an upgrade to be able to use the new features—they come to you automatically. Here's an overview of new features and enhancements added recently to improve your Oracle IoT Connected Worker Cloud Service experience.

 **Note:**

This What's New document will not be updated for post-20.3.1 features. The latest new feature summary information for Oracle IoT Connected Worker Cloud Service is available from the Oracle Cloud Readiness site:

[New Feature Summary](#)

20.3.1 - July 2020

Feature	Description
Organization Support	<p>You can now create organizations in addition to the default organization. Organizations are digital placeholders for the various heterogeneous entities that you have in your business, the locations where these entities operate from, and the associated users of these entities.</p> <p>For example, each organization can have its own projects, project personnel, locations, and rules.</p>
User Mapping Information for Oracle Human Capital Management Cloud Integration	<p>When configuring Oracle Human Capital Management Cloud (HCM) integration, you can view the current mapping of IoT users to HCM user profiles along with their reporter IDs.</p>

20.2.2 - May 2020

Feature	Description
Incident Details for a Location	The details for a location icon in the map view now include incident details associated with the location in addition to project, worker, and hazardous condition details.

20.2.1 - April 2020

Feature	Description
Use Worker Certificates for Projects and Locations	<p>You can monitor worker access to your projects and locations using worker certificates. When a worker enters the project or location, the worker must have a valid certificate for each of the required certificate types. If the worker does not have the required certificates, a server alert is raised.</p> <p>You can configure rules based on these alerts to generate corresponding incidents, employee alerts, and messages.</p>
Workers Dashboard	<p>The Workers dashboard provides a role-wise and status-wise summary of your workers. The dashboard also includes information on worker projects, worker device statuses, and worker incident statuses.</p> <p>You can search and filter the list of workers using parameters such as worker name, worker role, or worker status.</p>
New and Updated Documentation	Miscellaneous updates were made to the existing user guide and reference documentation to accommodate for bug fixes and functionality changes in the application.

20.1.2 - March 2020

Feature	Description
View Sensor Data Associated with a Worker	You can now find the sensor details associated with an individual worker in the worker view. The Sensor Data tab shows data plots for sensors associated with the worker. You can select the sensor(s) and time period to view.
Time-Based Restrictions for Project Locations	You can now include time-based restrictions for project locations. Configure rules to raise alerts in case a worker violates the time restrictions associated with a location.

Feature	Description
Hide Worker Names in the Map View	<p>You can now choose to show worker roles in place of worker names in the map view, the worker details screen, and in search filters.</p> <p>Use the Configurable Parameters page to set the worker display mode to anonymous. Note that any rules generating incidents or alerts, for example, will continue to show the worker name in the incident and alert details.</p>
Automatic Mobile Device Provisioning	Use QR code scanning, or share the provisioning link using email and other channels to enable automatic device provisioning for a user mobile device.
Enable Device Actions Using Rules	<p>Use employee alerts to trigger visual and haptic feedback supported by your device models.</p> <p>For example, you can configure a rule to trigger employee alerts to all employees at a location in case an employee has fallen. The employees' MetaWear LED sensors would blink and their android devices would display the alert notification.</p>
New and Updated Documentation	Miscellaneous updates were made to the existing user guide and reference documentation to accommodate for bug fixes and functionality changes in the application.

19.3.2 - August 2019

Feature	Description
Enhanced Oracle Human Capital Management Cloud Integration Automatically Send Incidents to Workforce Health and Safety Incidents in Oracle Human Capital Management Cloud	When a rule creates an incident in Oracle IoT Connected Worker Cloud Service, the incident is imported into Workforce Health and Safety Incidents in Oracle Human Capital Management Cloud. You can then update the incident directly in Oracle Human Capital Management Cloud.
Use Environment Sensor Data in Rules	Your rules can now use environmental sensor device values associated with a location. You can generate incidents, alerts, and messages when environmental sensor values, such as temperature and humidity, associated with a location cross their threshold values. You can also create automatic hazards, say when the ambient light at a project location falls below permissible limits.
Use System Rules for Reporting Potential Employee Accidents and Man-Down Conditions	As a project manager or supervisor, you want to know if an employee has fallen, or if there is a potential man-down condition. Oracle IoT Connected Worker Cloud Service system rules automatically detect accident-related device alerts, create incidents, and trigger messages to the superiors.

Feature	Description
Send Alerts in Case of a Disconnected Worker	Use business object attribute conditions in your rule to trigger incidents, alerts, and messages when an employee's devices have been offline beyond a threshold period of time.
Automatically Dial Emergency Numbers in Case of Accidents	Your configured phone numbers are auto-dialed for the following events: <ul style="list-style-type: none"> • Fall Detection • Man Down Detection • Restricted Location Violation
New and Updated Documentation	Miscellaneous updates were made to the existing user guide and reference documentation to accommodate for bug fixes and functionality changes in the application.

19.1.5 - March 2019

Feature	Description
Stationary Gateways	Oracle IoT Connected Worker Cloud Service now supports the use of stationary gateways. With stationary gateways, workers can be monitored without the need for individually assigned smartphones.
Device Assignment	Devices can now be assigned to specific users. Device assignment helps you manage application access.
Worker Location History	You can now view the worker location history from the map view. The worker location history can help determine the efficiency and punctuality of workers.
Work Shifts in the Oracle IoT Connected Worker Mobile Application	When work shifts are assigned to a project, a worker now has the option of selecting the work shift in the Oracle IoT Connected Worker Mobile Application.
Time Limitations for Rules	You can now apply time limitations to rules. Time limitations specify when a rule is applicable and can be used to terminate a rule at a specific time or date.
New and Updated Documentation	Miscellaneous updates were made to the existing user guide and reference documentation to accommodate for bug fixes and functionality changes in the application.

19.1.1 - January 2019

Feature	Description
Integration with Oracle Human Capital Management Cloud	To automate time card creation in Oracle Human Capital Management Cloud, you can now integrate Oracle IoT Connected Worker Cloud Service with Oracle Human Capital Management Cloud.

Feature	Description
Work Shifts	You can now create work shifts and assign them to projects. A work shift identifies the hours of work for a specific period. Work shifts are typically used to identify work hours that fall outside of the standard work day.
New and Updated Documentation	Miscellaneous updates were made to the existing user guide and reference documentation to accommodate for bug fixes and functionality changes in the application.

18.4.5 - December 2018

Feature	Description
Worker Status Reporting	Functionality has been added to allow alert generation when the status of a worker changes. This includes on duty, on break, and off duty.
Latitude and Longitude Coordinates	When adding locations to projects, you now have the option of entering the specific longitude and latitude coordinates for the location.
New and Updated Documentation	Miscellaneous updates were made to the existing user guide and reference documentation to accommodate for bug fixes and functionality changes in the application.

18.4.1 — November 2018

Feature	Description
Worker Position History Dashboard	The Position History dashboard displays worker activity and safety key performance indicators (KPIs) and their position history. This new dashboard can help you gain a better understanding of the day-to-day routine of a worker and help you quickly identify their current status.
Customizable Hazard Field Selections	You can now define what selections are available in the Severity , Subject , and Action fields when creating a new hazard.
Business Objects Available as a Rule Type	Business object can now be selected as a rule type.
Location Type	You can now create location types to associate a location with specific environmental sensor data.
New and Updated Documentation	Miscellaneous updates were made to the existing user guide and reference documentation to accommodate for bug fixes and functionality changes in the application.

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