

Workload XM 2.2.2

## Workload XM Release Notes

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# Release Overview

New feature highlights, fixed, and known issues for Workload XM.

## What's New in Workload XM

The major new features and updates for Workload XM.

### Workload XM release 2.2.2

There are no new features or functionality improvements in the Workload XM 2.2.2 release. For more information, see [Fixed Issues](#).

#### Related Information

[Issues fixed in Workload XM 2.2.2](#)

### Workload XM release 2.2.1

The major new features and updates for Workload XM release 2.2.1.

This release provides the following additional features and functionality improvements:

#### Remove obsolete HDFS files Manually with the Workload XM Purge Event

Reduce bottlenecks between Telemetry Publisher and Workload XM, by manually running a Workload XM purge event. The Workload XM purge feature now enables you to manually remove obsolete HDFS data that could cause a backlog or block Telemetry Publisher from ingesting and sending newer data to Workload XM. The purge event is based on the file's data group and the data group's retention limit.

#### Control user access with the Workload XM Role Based Access Control (RBAC) feature

Control the security and access management of your Workload XM environment by assigning Workload XM roles with the Role Based Access Control (RBAC) feature.

Workload XM now supports cluster privilege role types that define who is entitled to access jobs and queries that are created by the user, who is entitled to create and administer cost centers and view cluster costs, and who is entitled to access and administer jobs and queries within either a specific cluster or across all clusters within the Workload XM environment.

Limiting the trust boundary for jobs, queries, cluster costs, and administrative management at the cluster level, enables more control over the security and access management of your Workload XM environment.

#### Related Information

[Assigning Access Roles in Workload XM](#)

[Manually Executing a Workload XM Purge Event](#)

### Workload XM release 2.2.0

The major new features and updates for Workload XM release 2.2.0.

This release provides the following additional features and functionality improvements:

#### Analyze your cluster, job, and query costs with the Workload XM Chargeback feature

Easily define customized cost centers with the Chargeback feature. Once defined Workload XM visually displays a cluster's current and historical costs. This new feature enables you to create Workload XM cost centers for your workload clusters based on user or pool resource criteria and CPU and memory consumption. Once created you can

then plan and forecast budgets and future workload environments and/or justify current user groups and resources using your Workload cluster's cost insights.

### Trigger action events across your jobs and queries with the Workload XM Auto Actions - Notifications feature

This new feature triggers an action event in real-time based on your criteria. When a job or query meets your action's criteria and its conditions exist the action's event is triggered. For example, memory exhaustion can cause nodes to crash or jobs to fail. Knowing when available memory is falling below a specific threshold enables you to take steps before a potential problem occurs. With the Auto Actions feature, you can create an action that informs you through an email when a job is consuming too much memory so that you can take steps to alleviate a potential problem.

### Remove obsolete HDFS files with the Workload XM Purge Event

Reduce bottlenecks between Telemetry Publisher and Workload XM, by configuring and scheduling the new Workload XM purge event. This feature enables you to remove obsolete HDFS data that could cause a backlog or block Telemetry Publisher from ingesting and sending newer data to Workload XM. The purge event is based on the file's data group and the data group's retention limit.

### Control user access with the Workload XM Role Based Access Control (RBAC) feature

Control the security and access management of your Workload XM environment by assigning Workload XM roles with the Role Based Access Control (RBAC) feature.

Workload XM now supports cluster privilege role types that define who is entitled to access jobs and queries that are created by the user, who is entitled to create and administer cost centers and view cluster costs, and who is entitled to access and administer jobs and queries within either a specific cluster or across all clusters within the Workload XM environment.

Limiting the trust boundary for jobs, queries, cluster costs, and administrative management at the cluster level, enables more control over the security and access management of your Workload XM environment.

### Display and monitor your cluster and its services memory consumption with the new resource consumption widgets in the Summary page

- Resource Consumption By Services, displays the CPU and memory consumption for each service across the time range you selected. Hover your mouse over the time line, to display the amount of CPU or memory, as a percentage, that is consumed by each of the cluster's services.
- Resource Consumption By Nodes, displays the CPU and memory consumption for each node in the cluster. Hover your mouse over the time line, to display the amount of CPU or memory, as a percentage, that is consumed by each node and its services.

### Related Information

[Analyzing Your Workload Cluster Costs with Workload XM Cost Centers](#)

[Triggering an Action across Jobs and Queries](#)

[Purging HDFS Data](#)

## Known Issues

Current known issues and limitations in Workload XM.

At this time, there are no known issues.

## Fixed Issues

Lists the issues that have been fixed in the Workload XM 2.2.2 release.

**log4j2-CVE-2021-44228**

The embedded Apache Log4j version was upgraded in the Workload XM 2.2.2 release to version 2.17.0, which provides a permanent fix for the log4j2-CVE-2021-44228 vulnerability.