

# webMethods Optimize for Infrastructure 10.5 Readme

October 2019

This file contains important information you must read before using webMethods Optimize for Infrastructure 10.5. You can find user documentation on the [Documentation website](#) or the [TECHcommunity website](#). At those locations, you can also find suite-related security and globalization information.

Included in this file is information about functionality that has been added, removed, deprecated, or changed for this product. Deprecated functionality continues to work and is supported by Software AG, but may be removed in a future release. Software AG recommends against using deprecated functionality in new projects.

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## 1.0 Critical Information

This section lists any critical issues for the current release that were known when this readme was published. For critical information found later, go to the Knowledge Center on the [Empower website](#).

- webMethods Optimize for Infrastructure 10.5 monitors current and older supported versions of webMethods products. However, it requires Infrastructure Data Collector 10.5, Analytic Engine 10.5, Universal Messaging 10.5, and My webMethods Server 10.5 for execution.

## 2.0 Known Issues

This section lists any issues for the current release that were known when this readme was published. For known issues found later, go to the Knowledge Center on the [Empower website](#).

- WID-1540  
You cannot install Infrastructure Data Collector as a Windows service by applying a Command Central template.  
There is currently no workaround for this issue.
- WID-1751  
The installation of Infrastructure Data Collector by applying a Command Central template fails when you use non-standard ports.  
To work around this issue, install Infrastructure Data Collector using the default ports, and then manually change the port from Command Central or from the file system.
- WID-1792  
You cannot change the log levels of the Infrastructure Data Collector logs from My webMethods or from the Command Central user interface.  
To work around this issue, change log levels from the file system.

## 3.0 Usage Notes

This section provides any additional information you need to work with the current release of this product.

- To maintain the Optimize performance, increase the number of database connections on the Database Pool Connection page in My webMethods. For typical systems, increase the maximum number of connections to 80. To change the number of available database connections, navigate to Administration > System-Wide > Environments > Database Pool Connections, and then on the Pool Settings panel, change the value in the Maximum Connections field from 36 to 80.
- The KPI Summary Page does not support extended display durations. If you want to keep the KPI Summary page active for longer periods without user interaction, add a workspace and use the Refresh Page portlet to keep the page current.
- SSL registration of Analytic Engine web services is not supported.

## 4.0 Fixes Included in Each Release

This section lists the latest fix level that has been included in each release for each product component. A release is listed in this section only if changes occurred in that release. Go to the Knowledge Center on the [Empower website](#) for detailed information about fixes.

### ***Release 10.5***

- WID\_9.10\_Fix14
- WID\_10.3\_Fix1
- WID\_10.3\_IS\_Fix1
- WID\_10.3\_TN\_Fix1

### ***Release 10.4***

- WID\_9.8\_Fix23
- WID\_9.9\_Fix20
- WID\_9.10\_Fix13
- WID\_9.12\_Fix12
- CMP\_9.8\_Fix5
- CMP\_9.9\_Fix4
- CMP\_9.10\_Fix2
- CMP\_9.12\_Fix3
- CMP\_10.0\_Fix2
- CMP\_10.1\_Fix1

### ***Release 10.3***

- OPT\_9.8\_Fix22
- WID\_9.9\_Fix19
- WID\_9.10\_Fix13
- WID\_9.12\_Fix11

- OPT\_10.0\_Fix6
- OPT\_10.1\_Fix5
- CMP\_9.8\_Fix5
- CMP\_9.9\_Fix4
- CMP\_9.10\_Fix2
- CMP\_9.12\_Fix3
- CMP\_10.0\_Fix2
- CMP\_10.1\_Fix1

### ***Release 10.2***

- OPT\_9.8\_Fix22
- WID\_9.9\_Fix19
- OPT\_9.10\_Fix13
- OPT\_9.12\_Fix12
- OPT\_10.0\_Fix6
- OPT\_10.1\_Fix2
- CMP\_9.8\_Fix5
- CMP\_9.9\_Fix3
- CMP\_9.10\_Fix2
- CMP\_9.12\_Fix3
- CMP\_10.0\_Fix2

### ***Release 10.1***

- OPT\_9.0\_SP1\_Fix16
- OPT\_9.5\_SP1\_Fix16
- OPT\_9.6\_SP1\_Fix12
- OPT\_9.7\_Fix20

- OPT\_9.8\_Fix19
- OPT\_9.9\_Fix15
- OPT\_9.10\_Fix7
- OPT\_9.12\_Fix7
- OPT\_10.0\_Fix4
- CMP\_9.12\_Fix1

### ***Release 10.0***

- OPT\_9.0\_SP1\_Fix15
- OPT\_9.5\_SP1\_Fix14
- OPT\_9.6\_SP1\_Fix10
- OPT\_9.7\_Fix16
- OPT\_9.8\_Fix15
- OPT\_9.9\_Fix12
- OPT\_9.10\_Fix7
- CMP\_9.12\_Fix1

### ***Release 9.12***

- OPT\_9.0\_SP1\_Fix14
- OPT\_9.5\_SP1\_Fix13
- OPT\_9.6\_SP1\_Fix9
- OPT\_9.7\_Fix13
- OPT\_9.8\_Fix11
- OPT\_9.9\_Fix9
- OPT\_9.10\_Fix4
- CMP\_9.10\_Fix1

## ***Release 9.10***

- OPT\_9.0\_SP1\_Fix12
- OPT\_9.5\_SP1\_Fix9
- OPT\_9.6\_SP1\_Fix7
- OPT\_9.7\_Fix7
- OPT\_9.8\_Fix5
- CMP\_9.8\_Fix2
- OPT\_9.9\_Fix2
- CMP\_9.9\_Fix1

## **5.0 Other Resolved Issues**

This section lists the issues that were resolved in each release but were not part of the fixes listed in the previous section. A release is listed in this section only if changes occurred in that release.

### ***Release 10.5***

- WID-1749  
Infrastructure Data Collector might fail to discover the Terracotta Server assets. The issue occurs after an update of the httpclient jar.  
The issue is resolved.
- WID-1752  
Infrastructure Data Collector does not support TLS version 1.2.  
As a result, connecting Infrastructure Data Collector to Integration Server using TLS version 1.2 fails.  
The issue is resolved.
- CMP-92  
On the KPI Instance Details page in My webMethods, the reading of the OutstandingEvents KPI might be incorrect.  
Infrastructure Data Collector might fail to properly capture the outstanding events information for Universal Messaging named objects. As a result, the KPI Instance Details page might display an incorrect value for the OutstandingEvents KPI.  
The issue is resolved.

## **Release 10.4**

- WID-1746  
When Optimize for Infrastructure monitors the Integration Server KPIs, the following error might be logged in the server log:  
“ERROR: com.softwareag.infradc.isdc.ISDCPollCallback: Retrieving system component context from asset error”.  
The issue is resolved.
- WID-1717  
Optimize for Infrastructure might fail to monitor the Object Status KPI of an IS JMS Trigger. Optimize for Infrastructure might incorrectly report an online IS JMS Trigger as offline. The issue occurs when the WmPRT package is reloaded.  
The issue is resolved.
- WID-1694  
Optimize for Infrastructure might fail to monitor the Object Status KPI of an IS Native Trigger. Optimize for Infrastructure might incorrectly report an online IS Native Trigger as offline. The issue occurs when the WmPRT package is reloaded.  
The issue is resolved.

## **Release 10.3**

- WID-1700  
Infrastructure Data Collector does not support migration to the same version.  
The issue is resolved.
- WID-1631  
The Infrastructure Data Collector server log might contain the following error:  
“StandardWrapper.Throwablejava.lang.IllegalStateException: InjectionManagerFactory not found.”  
The issue is resolved.
- WID-1672  
The command-line help of the Infrastructure Data Collector migration utility is not consistent.  
The issue is resolved.
- WID-1666  
Infrastructure Data Collector stores sensitive user information in the log files.  
The issue is resolved.
- WID-1629  
Infrastructure Data Collector fails to start when using Java Service Wrapper version 3.5.29.  
The issue is resolved.
- WID-1625  
The Infrastructure Data Collector (IDC) process might crash while monitoring Apama and Terracotta servers.

When Infrastructure Data Collector monitors Apama and Terracotta servers, the IDC process might have very high memory usage and the process might crash. The issue occurs because of an out of memory exception.

The issue is resolved.

- WID-1574

Infrastructure Data Collector incorrectly emits diagnostic events for components that are not selected for monitoring. The issue occurs for components of discovered assets.

The issue is resolved.

- CMP-92

On the KPI Instance Details page in My webMethods, the reading of the OutstandingEvents KPI might be incorrect.

Infrastructure Data Collector might fail to properly capture the outstanding events information for Universal Messaging named objects. As a result, the KPI Instance Details page might display an incorrect value for the OutstandingEvents KPI.

The issue is resolved.

## **Release 10.2**

- WID-1596

Optimize might fail to monitor Integration Server clusters.

Infrastructure Data Collector might fail to monitor an Integration Server cluster. The issue occurs when all nodes from the cluster were discovered using a non-primary port.

The issue is resolved.

- WID-1590

When Infrastructure Data Collector monitors a Terracotta Server, the BAM\_EVENT\_TMP and BAM\_EVENT\_TMP\_ATTR tables might become very large. The issue occurs when the Terracotta Server is down.

The issue is resolved.

- WID-1573

The Optimize Monitored Components page might not display an Integration Server (IS) package.

The Monitored Components page in My webMethods might not display a discovered IS Package in the list of monitored components. As a result, you might not be able to monitor the IS package. The issue occurs when an IS package does not contain a service.

The issue is resolved.

- WID-1554

Infrastructure Data Collector might hang during a discovery process.

Infrastructure Data Collector might hang in "Running" status during a discovery process if uncaught throwable errors occur during the process.

The issue is resolved.



- WID-1539  
Optimize does not display a warning when you delete an asset of type "JMX Configuration". In the Discovered Assets panel on the Assets page in My webMethods, when you select an asset of type "JMX Configuration" and click Delete, Optimize does not display a warning message that all associated monitored components and associated KPIs will be deleted from the system. The issue is resolved.
- WID-1486  
When Infrastructure Data Collector monitors a Universal Messaging realm, and the realm is offline, the wrapper log starts filling with the following exception message:  
"RealmUnreachableException: Realm is currently not reachable".  
The issue is resolved.
- CMP-73  
Platform Manager might hang while monitoring a Universal Messaging realm. The issue occurs when the Universal Messaging realm is configured incorrectly, or when the Universal Messaging realm is connected to a remote Universal Messaging realm, which is offline.  
The issue is resolved.
- CMP-56  
When Platform Manager is configured to monitor Universal Messaging (UM), the UM log might repeatedly log the same error message.  
When Platform Manager attempts connecting to a Universal Messaging interface using the UM plug-in for Platform Manager, the following error might be logged repeatedly in the nirvana.log file:  
"not authorised to connect on interface".  
The issue occurs when the Allow Client Connections option is unchecked for the Universal Messaging interface to which Platform Manager connects.  
The issue is resolved.

## ***Release 10.1***

- JBP-6470  
Optimize fails to create dimension instances for MashZone NextGen Catalina Server.  
The issue is resolved.
- OBE-9260  
The size of the Analytic Engine log file might grow rapidly.  
Sometimes when you start Analytic Engine after a fresh installation, the Analytic Engine log file grows rapidly. The issue occurs when the Universal Messaging server that is configured for Analytic Engine did not start properly.  
The issue is resolved.

## **Release 10.0**

- WID-1474  
Infrastructure Data Collector fails to monitor Integration Server assets that are configured to use a secure connection (SSL). As a result, no readings are generated for monitored Integration Server KPIs.  
The issue is resolved.
- OBE-8414  
When you change the display name of a measure attribute, the KPIs that are set for this measure stop functioning.  
To work around this issue, set the display name back to the original display name.  
The issue is resolved.
- OBE-8932  
Back-populating rules in Optimize might fail.  
In some cases, when you click the Generate Rule Violations button on the Rule List page, the initiated rule back-population operation fails. Although no error message appears, the status of the back-population job in the Job Audit page, is "Failed".  
The issue is resolved.

## **Release 9.10**

- WID-1221  
The Asset page fails to display status "Refused" for Integration Server assets.  
In My webMethods Server, on the Applications > Administration > Analytics > Infrastructure Components > Assets page, when you edit the connection parameters for an Integration Server asset and you accidentally enter an invalid password, the status of the asset is not updated to "Refused" but remains "Accepted," even though no new KPI readings are collected from this asset because of the invalid password.  
This issue has been resolved.
- OBE-7017  
The Analytics Overview page continues to display KPI instances for deleted assets.  
In My webMethods Server, after you delete an asset from the Applications > Administration > Analytics > Infrastructure Components > Assets page and you go to the Applications > Monitoring > System-Wide > Analytics Overview page, you can still see KPI data for the removed asset.  
This issue has been resolved.
- OBE-7145  
Data remains unprocessed in the Universal Messaging JMS queues when an Analytic Engine node is down.  
When the Analytic Engine is running in a clustered environment, and some of the nodes are down, the data that is pushed to the respective Universal Messaging queue is not processed until the nodes come back up again.  
This issue has been resolved.

- OBE-7597

On the KPI Instance Detail page, when you plot KPIs with collection intervals of 2, 4, or 8 hours, the graph displays incorrect times for reading values.

In My webMethods Server, when you plot KPIs on the KPI Instance Detail page with collection intervals of 2, 4, or 8 hours, the KPI reading values that are displayed on the graph are plotted at incorrect times.

This issue has been resolved.
- OBE-7536

The Advanced search tab on the Problems page does not return correct results.

In My webMethods Server, on the Applications > Monitoring > System-Wide > Problems page, when you use the Advanced search tab to filter problems setting the "Field Name" to "Duration" and selecting "Greater Than" or "Less Than" as operators, your search might be misleading, since they also contain problems with duration that is equal to the selected value.

This issue has been resolved. The "Greater Than" and "Less Than" operators no longer return problems with Duration equal to the selected filter Value. Also, the following operators have been added when filtering by duration:

"Greater Than or Equal To" and "Less Than or Equal To"
- OBE-7511

An error prevents you from editing or copying an instant rule with no user specified.

In My webMethods Server, on the KPI Instance Detail page, when you create an instant rule without specifying a user for the Send Alert To drop-down list, and then you navigate to the Applications > Administration > Analytics > Rules > Rule List Page, you cannot edit or copy the rule. The following error is displayed in the Alerts panel on the Add/Edit/Copy Rule page:

User is unknown or email address is undefined.

This issue has been resolved.
- OBE-7990

The Define Environments page allows you to create an environment with no name.

In My webMethods Server, on the Administration > System-Wide > Environments > Define Environment page, when you click Add Environment, you can save your environment with no value for Environment Name.

This issue has been resolved.
- OBE-7491

The KPI Instance Detail page incorrectly aggregates KPIs of type Sum or Count to the beginning of the hour.

In My webMethods Server, on the KPI Instance Detail page, when you plot KPIs of type Sum or Count, the KPI data values are incorrectly aggregated to the beginning of the hour, instead of the end.

This issue has been resolved.

- OBE-7485  
The Select All icon on the Database Pool Configuration page does not select all listed pools. In My webMethods Server, on the Applications > Administration > System-Wide > Environments > Database Pool Configuration, when you click the Select All icon, not all listed pools are selected. This issue has been resolved.

## 6.0 Documentation Changes

This section describes significant changes to the documentation, such as the addition, relocation, or removal of product guides, online help, chapters, or other major content. A release is listed in this section only if changes occurred in that release.

### **Release 10.3**

- An HTML version of the documentation for webMethods Optimize 10.3 has been added and is now available on the documentation site under the name *webMethods Optimize Help*. *webMethods Optimize Help* includes the information from the *webMethods Optimize User's Guide*, *Administering webMethods Optimize*, and *Configuring BAM* guides.
- The “Monitored KPI Definitions” chapter of the *Administering webMethods Optimize* guide has been updated with information about Integration Server Native Messaging KPI definitions and Integration Server JMS Messaging KPI definitions.
- The “Integration between Optimize and PPM” chapter of the *Administering webMethods Optimize* guide has been removed.

### **Release 10.1**

- The “Managing webMethods Optimize Environments” chapter of the *Configuring BAM* guide has been updated with information about configuring JMX resource module settings.
- The “Discovery Assets and Monitoring Components” chapter of the *Administering webMethods Optimize* guide has been updated with information about adding JMX assets for discovery.
- The “Discovery Assets and Monitoring Components” chapter of the *Administering webMethods Optimize* guide has been updated with information about setting the monitoring of MashZone NextGen Server components (10.1 release only).
- The “Monitored KPI Definitions” chapter of the *Administering webMethods Optimize* guide has been updated with information about System Component Monitoring for Integration Server KPI definitions and System Component Monitoring for Infrastructure Data Collector KPI definitions.

- The information about the Integration Server KPI definitions and the Universal Messaging cluster KPI definitions in the “Monitored KPI Definitions” chapter of the *Administering webMethods Optimize* guide has been updated.
- Information about the Integration Server Long Running Thread rule has been added to the “Built-In Rules” chapter of the *Administering webMethods Optimize* guide.

## **Release 10.0**

- The “Using Command Central to Manage Optimize” chapter has been moved from the *Administering webMethods Optimize* guide to the *Configuring BAM* guide. The chapter has been updated with procedures for configuring Optimize through Command Central.
- The “Managing webMethods Optimize Environments” chapter of the *Configuring BAM* guide has been updated with information about configuring Digital Event Services resource module settings.
- The “Monitored KPI Definitions” chapter of the *Administering webMethods Optimize* guide has been updated with information about Digital Event Services KPI definitions.
- The information about the Universal Messaging KPI definitions in the “Monitored KPI Definitions” chapter of the *Administering webMethods Optimize* guide has been updated.
- The “Configuring the SNMP Data Collector” chapter of the *Administering webMethods Optimize* guide has been updated with information about monitoring memory consumption and processor load.
- The “Discovery Assets and Monitoring Components” chapter of the *Administering webMethods Optimize* guide has been updated with information about adding Digital Event Services assets for discovery.
- The “Discovery Assets and Monitoring Components” chapter of the *Administering webMethods Optimize* guide has been updated with information about setting a root context for My webMethods Server assets.
- The information about the Infrastructure Data Collector Queue Size KPI definitions in the “Monitored KPI Definitions” chapter of the *Administering webMethods Optimize* guide has been updated.

## **Release 9.12**

- A new “Using Command Central to Manage Optimize” chapter has been added to the *Administering webMethods Optimize* guide. This chapter is moved from the *Software AG Command Central Help*. The chapter describes the currently supported operations in Command Central for managing Optimize.

- The “Monitored KPI Definitions” chapter of the *Administering webMethods Optimize* guide has been updated with information about KPI definitions for Event Routing.
- The “Built-In Rules” chapter of the *Administering webMethods Optimize* guide has been updated with information about Event Routing rules.
- The “Monitored KPI Definitions” chapter of the *Administering webMethods Optimize* guide has been updated with information about KPI definitions for Universal Messaging named objects.
- The “Adding Terracotta Server and Terracotta Server Array Assets for Discovery” section of the *Administering webMethods Optimize* guide has been updated with information about monitoring Terracotta Server and Terracotta Server Array assets over HTTPS.
- The “The Assets Page” section of the *Administering webMethods Optimize* guide has been updated with information about monitoring My webMethods Server with a root context.
- The “Managing webMethods Optimize Environments” chapter of the *Configuring BAM* guide has been updated with information about configuring in-process event publication.

## **Release 9.10**

- The “Monitored KPI Definitions” chapter of the *Administering webMethods Optimize* guide has been updated with information about KPI definitions for MashZone NextGen, UM Cluster, and Presto delta KPIs.
- The “Monitored KPI Definitions” chapter of the *Administering webMethods Optimize* guide now contains information about newly added diagnostic KPIs about the following component types: InfrastructureDataCollector, ApamaCorrelator, BrokerServer, SNMP, IntergrationServer, ISCluster, MyWebMethodsServer, Presto, Universal Messaging Realm, and TerracottaConnection.
- The “Adding an Asset” section of the *Administering webMethods Optimize* guide now contains information about adding Universal Messaging Cluster and MashZone NextGen assets.

## **7.0 Terminology Changes**

A release is listed in this section only if changes occurred in that release.

## **8.0 Added, Removed, Deprecated, or Changed Items**

This section lists functionality, controls, portlets, properties, or other items that have been added, removed, deprecated, or changed. A release is listed in this section only if changes occurred in that release.

## **Release 10.5**

<b>Added Item</b>	<b>Description</b>
Digital Event Service Component	Optimize for Infrastructure 10.5 supports monitoring of Digital Event Service (DES).

## **Release 10.4**

<b>Removed Item</b>	<b>Description</b>
Digital Event Service Component	Since the Digital Event Services (DES) component is no longer available beginning with the 10.4 release, you cannot use Optimize to monitor it. You can still use Optimize for Infrastructure 10.4 to monitor lower versions of DES.
Mashzone NextGen KPIs (NoOfAppsInDepot, NoOfAppsInHub, NoOfPending, AppsInDepot, NoOfAtoms, NoOfDataSources, NoOfDatabases, NoOfJDBCDrivers, NoOfMacros, NoOfMashups, NoOfRESTs, NoOfRSS, NoOfSharePoints, NoOfSpreadsheets, NoOfWSDLs, NoOfXMLs)	These KPIs are deprecated beginning with Mashzone NextGen 10.4, as the corresponding APIs are removed.
Mashzone Universal Messaging Realm and its child Components	Beginning with version 10.4, Mashzone no longer provides its Realm component, and the monitoring is not possible. You can still use Optimize for Infrastructure 10.4 to monitor lower versions of Mashzone Universal Messaging Realm.

## **Release 10.3**

<b>Added Item</b>	<b>Description</b>
Integration Server “IS JMS Messaging” Component	KPIs introduced as part of this component: boolean ObjectStatus: Whether a connection alias exists int CSQCount: The number of Client Side Queue messages. boolean ConnectionAliasStatus: The status of the connection alias.

Added Item	Description
Integration Server “IS Native Messaging” Component	KPIs introduced as part of this component: boolean ObjectStatus: Whether a connection alias exists int CSQCount: The number of Client Side Queue messages. boolean ConnectionAliasStatus: The status of the connection alias.
Integration Server “IS Cache Manager” Component	KPIs introduced as part of this component: boolean ObjectStatus: Whether the Cache Manager exists. int CacheCount :The number of caches in a Cache Manager. boolean TSAConnectinStatus Terracotta Server Array connection status of a Cache Manager boolean CacheManagerConnectionStatus The connection status of the Cache Manager from Integration Server

Changed Item	Description
Add Components button	In My webMethods > Edit Component Type page, the Add Components button is now renamed to Enable Components.
Delete button	In My webMethods > Edit Component Type page, the Delete button is now renamed to Disable Components.

## ***Release 10.1***

Added Item	Description
JMX monitoring	The provider can connect to a JMX service and retrieve a set of mbeans' information. The user defines the mbean set in an mbean type filter. Different mbean sets require different filters (names).



Added Item	Description
Infrastructure Data Collector JMX	<p>The System Component discovery for Infrastructure Data Collector happens automatically when Infrastructure Data Collector starts. No input is needed from the user.</p> <p>The monitoring is using Infrastructure Data Collector JMX agent. The JMX port is retrieved through the Infrastructure Data Collector bundle context.</p>
Integration Server JMX	<p>The System Component discovery for Integration Server happens automatically with the Integration Server discovery. No additional input is needed from the user.</p> <p>The monitoring is using Integration Server JMX agent. The JMX port is retrieved through the WmISExtDC package.</p>
Integration Server “Long Running Threads” KPI	<p>This KPI counts long-running service threads in Integration Server. By default it counts service threads that are running for more than 60000 milliseconds.</p>
UM KPI additions	<p>boolean HasQuorum - Indicates if the cluster can form a quorum.</p> <p>boolean IsOnline - Indicates if the cluster is online.</p>

Added Item	Description
MashZone NextGen Server 10.1 monitoring	<p>The following lines must be added to the wrapper.conf file.</p> <pre> wrapper.java.additional.200=- Dcom.sun.management.jmxremote  #wrapper.java.additional.201=- Dorg.tanukisoftwares.wrapper.WrapperManager.m bean=TRUE  #wrapper.java.additional.202=- Dorg.tanukisoftwares.wrapper.WrapperManager.m bean.testing=TRUE  wrapper.java.additional.203=- Dcom.sun.management.jmxremote.port=9088  wrapper.java.additional.204=- Dcom.sun.management.jmxremote.authenticate=fa lse  wrapper.java.additional.205=- Dcom.sun.management.jmxremote.ssl=false </pre>

## **Release 10.0**

Added Item	Description
Digital Event Services	Monitoring DES events.
SNMP provide sum average functions	A mechanism to do a sum or average across multiple PDUs. This is necessary for calculation of CPU or memory utilization when the values are represented per CPU or per running application.
Universal Messaging detects stale queues	Monitoring Universal Messaging queues capability is enhanced to detect the age of messages in the queue. When a message has been on a queue longer than a specified amount of time, a report or an alert can be sent.
Infrastructure Data Collector queue sizes	Monitoring Universal Messaging queue sizes which are used by Infrastructure Data Collector.
Optimize is configurable through Command Central.	You can now configure Optimize for Process and Optimize for Infrastructure through Command Central.

Added Item	Description
Support for MWS Root Context	The Optimize for Process and Optimize for Infrastructure user interfaces now support the MWS Root Context capability.

## **Release 9.12**

Added Item	Description
EDA	Event routing framework is embedded in products like IS, Optimize, MWS etc. Monitoring of EDA to these products will be through a JMX port
MWS root context	Monitoring MWS with root context defined
Universal Messaging named objects	Monitoring of UM name objects
Terracotta HTTPS	Monitoring of Terracotta over HTTPS

## **Release 9.10**

Added Item	Description
UM Cluster Monitoring	Monitoring of UM Cluster Nodes
Ability to delete Key Performance Indicators by date and name	You are now able to delete KPIs by date and name.

Changed Item	Description
Presto 9.10 only	Name changed to MashZone Next Gen

## **9.0 Added, Removed, Deprecated, or Changed APIs**

A release is listed in this section only if changes occurred in that release.

## **10.0 Copyright Information**

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## 11.0 Support

Visit the [Empower website](#) to learn about support policies and critical alerts, read technical articles and papers, download products and fixes, submit feature/enhancement requests, and more.

Visit the [TECHcommunity website](#) to access additional articles, demos, and tutorials, technical information, samples, useful resources, online discussion forums, and more.

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