

# My webMethods Server 10.0 Readme

April 2017

This is an Innovation Release. Innovation releases have a much shorter support cycle than standard releases. To learn more, please visit <http://empower.softwareag.com/innovationrelease/>.

This file contains important information you must read before using My webMethods Server 10.0. You can find system requirements, user documentation, and installation and upgrade instructions 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.

1.0	Critical Information.....	1
2.0	Known Issues.....	2
3.0	Usage Notes.....	3
4.0	Fixes Included in Each Release.....	3
5.0	Other Resolved Issues.....	6
6.0	Documentation Changes .....	12
7.0	Terminology Changes .....	13
8.0	Added, Removed, Deprecated, or Changed Items.....	13
9.0	Added, Removed, Deprecated, or Changed APIs .....	20
10.0	Copyright Information.....	83
11.0	Support.....	84

## 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](#).

## 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](#).

- MWS-18848  
In My webMethods, disabling the directory service cache causes search results to list a single item per page for some LDAPs.  
When you disable the cache for certain LDAP directory services, and then navigate to User Management in My webMethods, a search using such a directory service returns only one item per page. Clicking each page number or "Next" in the search results increases the results count by 20 each time.  
There is currently no workaround for this issue.
- MWS-17035  
After upgrading My webMethods Server to version 9.10, initializing the server logs the following error in the server log: "java.io.IOException: Exception in opening zip file".  
There is currently no workaround for this issue.
- MWS-16536  
When working with business rules in My webMethods, opening an event rule results in JavaScript errors and the rule is not rendered correctly.  
When you open an event rule after a decision table is already open, the browser throws JavaScript errors and the event rule is not rendered correctly.  
There is currently no workaround for this issue.
- MWS-16408  
When starting a My webMethods Server instance after upgrade, My webMethods Server logs multiple "(Framework:FATAL) - failed to create object, class is null" error messages in the server log, although the instance initializes successfully.  
There is currently no workaround for this issue.
- MWSSOF-1395  
When using My webMethods in Mozilla Firefox, the Auth URL field of the OAuth Configuration Properties panel is disabled for copying.  
Workaround: Use the Firefox Developer Tools to copy the Auth URL from the page source.
- WMC-4164  
When using My webMethods in Internet Explorer 11, the CAF Swapbox control does not select or focus values correctly.  
There is currently no workaround for this issue.

## 3.0 Usage Notes

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

## 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 10.0***

- MWS\_9.12\_Fix3
- MWS\_9.10\_Fix9
- MWS\_9.9\_Fix10
- MWS\_9.8\_Fix19
- MWS\_9.8\_GLUE\_Fix2
- MWS\_9.7\_Fix23
- TE\_9.7\_TC\_Fix2
- MWS\_9.6\_Fix18
- TE\_9.6\_TC\_Fix2
- MWS\_9.5\_SP1\_Fix23
- MWS\_8.2\_SP1\_Fix29

### ***Release 9.12***

- MWS\_9.10\_Fix2
- MWS\_9.10\_SPM\_Fix1
- MWS\_9.10\_SPM\_IS\_Fix1
- MWS\_9.9\_Fix5
- MWS\_9.9\_GLUE\_Fix2

- MWS\_9.9\_SPM\_Fix1
- MWS\_9.8\_Fix12
- MWS\_9.8\_SPM\_Fix4
- MWS\_9.7\_Fix16
- MWS\_9.6\_Fix16
- MWS\_9.6\_SPM\_Fix3
- MWS\_9.5\_SP1\_Fix22
- MWS\_9.0\_SP1\_Fix13
- MWS\_8.2\_SP1\_Fix28
- TE\_9.8\_TC\_Fix1
- TE\_9.6\_Fix1
- TE\_9.5\_SP1\_TC\_Fix3

### ***Release 9.10***

- MWS\_9.9\_Fix2
- MWS\_9.9\_GLUE\_Fix1
- MWS\_9.8\_Fix8
- MWS\_9.8\_GLUE\_Fix1
- MWS\_9.7\_Fix12
- MWS\_9.6\_Fix10
- MWS\_9.6\_GLUE\_Fix1
- MWS\_9.5\_SP1\_Fix15
- MWS\_9.0\_SP1\_Fix9
- MWS\_8.2\_SP1\_Fix26
- TE\_9.7\_TC\_Fix1
- TE\_8.2\_SP1\_TC\_Fix7

## ***Release 9.9***

- MWS\_9.8\_Fix3
- MWS\_9.7\_Fix7
- MWS\_9.6\_Fix8
- MWS\_9.5\_SP1\_Fix11
- MWS\_9.0\_SP1\_Fix7
- MWS\_8.2\_SP1\_Fix24

## ***Release 9.8***

- MWS\_9.7\_Fix3
- MWS\_9.6\_Fix5
- MWS\_9.5\_SP1\_Fix6
- MWS\_9.0\_SP1\_Fix5
- MWS\_8.2\_SP1\_Fix19
- MWS\_8.0\_SP2\_Fix20

## ***Release 9.7***

- MWS 9.6 Fix2
- MWS 9.5 SP1 Fix3
- MWS 9.0 SP1 Fix3
- MWS 8.2 SP1 Fix18
- TE\_9.5\_SP1\_Fix2

## ***Release 9.6***

- MWS 8.2 SP1 Fix15
- MWS 9.0 SP1 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 10.0**

- MWS-18703  
When processing SOAP service calls, for example from the WmTaskClient package in Integration Server, My webMethods Server might cause increased memory consumption.  
The issue is resolved.
- MWS-19947  
Jackrabbit libraries should be updated to get the latest fixes.  
The issue is resolved.
- MWS-20464  
When you configure the JNDI URL of a standalone My webMethods Server or use My webMethods Server in a cluster, starting the Common Directory Services component logs JmsRemoteCommandTransport errors in the Integration Server log. The issue occurs when My webMethods Server loses connectivity to the Universal Messaging server.  
The issue is resolved.

### **Release 9.12**

- MWS-17522  
Upgrading My webMethods Server to version 9.10 using a .zip file fails.  
When you attempt to upgrade a My webMethods Server installation to version 9.10 using a .zip file as a source, the upgrade fails with multiple "ERROR: Missing file in source installation." errors. The issue occurs because the files in the *Software AG\_directory/profiles/MWS\_instanceName/configuration* directory are not included in the .zip file.  
The issue is resolved.
- MWS-15586  
My webMethods Server returns an exception when connecting to webMethods Integration Server via a web application view.  
When a My webMethods Server web application attempts to connect to Integration Server using a web service connector with a basic or hybrid connection, the system returns an "unable to create user context" exception.  
The issue is resolved.
- WTN-3684  
On the Business Data page in My webMethods, the Intrinsic Task Metrics event maps are improperly set as user-defined.  
When you expand the Intrinsic Task Metrics node on the Administration > Analytics > KPIs >

Business Data page in My webMethods, the DEFINED BY column for the Intrinsic Task Metrics event maps displays the value of "User". However, intrinsic event map and KPI definitions should be system-defined to prevent users from deleting or modifying the definitions.

The issue is resolved. The DEFINED BY column for the Intrinsic Task Metrics event maps now has a value of "System".

## **Release 9.10**

- MWS-16198

After migration, the About page of My webMethods Server does not show the correct version. On the About page in My webMethods, when you click the My webMethods Server tab under Licensed Product, the tab still shows the old version instead of the current one.

The issue is resolved.

- MWS-15647

Web Services Stack logs multiple error messages in the My webMethods Server `_server.log` during asset deployment.

When you deploy assets to My webMethods Server using webMethods Deployer, Web Services Stack logs multiple "No 'endpoint' property set and serverSide=true, cannot uniquely identify endpoint for service" error messages in the `_server.log`.

The issue is resolved.

- MWS-15122

The SOAP Monitor portlet fails to communicate with My webMethods Server.

When you attempt to use the SOAP Monitor portlet in My webMethods Server, the SOAP monitor applet starts but shows the following error: "The SOAP Monitor is unable to communicate with the server".

The issue is resolved.

## **Release 9.9**

- MWS-14666

After converting a Task List Management CAF portlet to OpenCAF, clicking the Return button on the Task List Management page in My webMethods results in a `javax.portlet.PortletException` with the following message: "Cannot remove the same component twice".

This issue is now resolved.

- MWS-13158

The Principal Picker in webMethods Business Console does not display a scroll bar in the dialog box to scroll down and select users in the list.

While using Business Console in My webMethods Server, if a user attempts to assign a task instance using Assign To or Accept For on the Task List Management page, the Principal Picker does not display a scroll bar in the dialog box to scroll down and select users in the list.

This issue is now resolved.

## **Release 9.8**

- MWS-13401  
Integration Server sometimes throws a “cannot start CDS library” error when My webMethods Server and Integration Server are migrated together but Integration Server is started first. When My webMethods Server and Integration Server are both migrated to the latest release, but Integration Server is started first after migration, the following error is displayed during Integration Server startup: “[POP.005.0040] Cannot start CDS library because MWS upgrade did not complete yet”.  
This issue is now resolved.
- MWS-13432  
Some nodes remain in temporary maintenance mode after being restarted together with the default My webMethods Server node.  
Some My webMethods Server cluster nodes still remain in temporary maintenance mode, even though they have been taken out of temporary maintenance and My webMethods Server has been restarted.  
This issue is now resolved.
- MWS-13448 / MWS-13447  
Maintenance mode is not in synch on all My webMethods Server nodes when the Universal Messaging Server is unavailable.  
When My webMethods Server is configured to use Universal Messaging Server as a JMS provider and the Universal Messaging Server is unavailable, not all My webMethods Server nodes go into maintenance mode, which is the expected behavior.  
This issue is now resolved.
- MWS-13453  
When a role is granted only custom task permissions such as View Task: Data, Info and Audit, View Comments, the Security Realm > View Item permission for a task is automatically set to Deny. As a result, a role member cannot access the task instance details on the Task List Management page.  
This issue is now resolved.
- MWS-13286  
My webMethods Server login page is not localized.  
When My webMethods Server is set to maintenance mode, the login page for the server administrator is not localized.  
This issue is now resolved.
- MWS-13316  
A NullPointerException occurs while editing the Administration portlet.  
When a system administrator logs into My webMethods Server and attempts to edit the Administration portlet under Folders > System > Portlets, a NullPointerException error is displayed in the My webMethods Server user interface or the server logs, or in both.  
This issue is now resolved.



## **Release 9.7**

- **MWS-12120**  
The My webMethods Server migration utility is not getting invoked in Solaris-10 (x86-64).  
When the My webMethods Server migration utility is invoked by using the `"/.migrate.sh"` command in a Solaris-10 environment, the following error is encountered: "syntax error at line 11: ``MWS_DIR=$' unexpected"`.  
The workaround is to edit the `migrate.sh` file in the `MWS/bin/migrate` directory and modify the path of `MWS_DIR` variable by entering the full path to the My webMethods Server directory.  
This issue is now resolved.
- **MWS-10361 / OBE-6315**  
A user with all webMethods Application permissions cannot create a role.  
A "[POP.003.0153] <user\_name> cannot add a query object to My webMethods Security Data." error is displayed.  
This issue is now resolved.
- **MWS-11450**  
The My webMethods Server plug-in does not return KPIs.  
My webMethods Server plug-in for Command Central does not return KPIs for the `MWS_default` component.  
This issue is now resolved.
- **MWS-11874**  
A remote shutdown request should be ignored if the My webMethods Server profile is not configured to handle it.  
A remote shutdown operation is always executing if a valid host/port is given, even though the profile itself might not be configured to handle any such command (because neither the `"osgi.console"` nor the `"com.softwareag.platform.shutdown.port"` properties are specified in the profile's `config.ini` file). Since the installation is not able to detect port conflicts across different profiles and suite installations, the result is that it is possible the remote shutdown operation accidentally shuts down another profile.  
This issue is now resolved.
- **MWS-11796**  
A uninstall of the source My webMethods Server after a Side-by-Side migration results in errors during startup for the target My webMethods Server.  
When a Side-by-Side migration to My webMethods Server 9.6 uses the same database as the source My webMethods Server, an uninstall of the source My webMethods Server disables the nodes in the `cluster.xml` file, which causes errors during startup of the target My webMethods Server.  
The workaround is to edit the `cluster.xml` file in the target My webMethods Server and re-enable each of the server instance nodes listed in the `cluster.xml` file.  
This issue is now resolved.
- **WS-20830**  
JSF core components and renderers are being overridden by My webMethods Server custom

implementations.

My webMethods Server overrides basic JSF component classes and renderers. This results in the usage of certain base JSF tags to render and behave like My webMethods Server-specific components instead.

This issue is now resolved.

## **Release 9.6**

- MWS-7768

It is not possible to view more than 50 users in the Edit Role Membership principal picker.

When attempting to add members to a Role, a maximum of 50 users display in the "Available" List box in the Principal Picker even though "No Maximum" is selected in the Principal Picker Options tab.

This issue is now resolved.

- MWS-9186

My webMethods Server roles are not retrieved while creating a Deployer build. While creating a Deployer build, when My webMethods Server Roles are selected as a dependency, the following error is returned: "Failed to retrieve object from source MWS: id=PortalRole, type=uid=roe, error=null". However, if "roles" are ignored during the build process, the build is created successfully.

This issue is now resolved.

- MWS-11253

Deployed My webMethods Server system groups cannot be added to Integration Server ACLs and cannot be deleted from the My webMethods Server System directory.

A "com.webmethods.portal.PortalException: [POP.003.0119] Unable to locate mechanics" error message occurs when you attempt to delete a My webMethods Server system group that has been deployed from another My webMethods Server. In addition, the system group cannot be added to an Integration Server ACL.

This issue is now resolved.

- MWS-11240

Using My webMethods Server APIs to retrieve users from roles causes performance degradation.

When attempting to retrieve users from roles using the Common Directory Service API, the response time is longer in some instances.

This issue is now resolved.

- MWS-11234

My webMethods Server throws an error when refreshing a WS-Stack web service client.

This problem can occur when My webMethods Server is installed on Unix/Linux, and a web service client, generated with the WS-Stack SOAP library, is uploaded on it. When trying to execute a refresh on the client, the operation fails with an exception.

This issue is now resolved.

- MWS-11232

A "java.lang.ArrayIndexOutOfBoundsException" error occurs when users configured to use an LDAP Directory Service attempt to log in to My webMethods Server.

When a user pointing to an LDAP Directory Service logs in to My webMethods Server, a blank page displays with the following error:

[POP.001.0002] arose "java.lang.ArrayIndexOutOfBoundsException" with the message "<No Location Found>".

This issue is now resolved.
- MWS-11160

An invalid session token is detected

The following error message occurs when navigating to Territory Topology in My webMethods Server: "[POP.016.0056] Invalid session token detected. Please reload the page".

This issue is now resolved.
- MWS-10944

My webMethods Server forces Internet Explorer 9 or later to display its web pages in compatibility mode for Internet Explorer 8.

My webMethods Server has fixed the value of the web page parameter "X-UA-Compatible" to "IE=8". This causes Internet Explorer to display My webMethods Server pages in compatibility mode for Internet Explorer 8. If a web developer wants the My webMethods Server pages to be displayed in the standard Internet Explorer mode, it is necessary make some workarounds to My webMethods Server behavior.

This issue is now resolved by allowing the parameter "X-UA-Compatible" to be configured on the Manage Response Header Rules page in the My webMethods Server administration interface.
- MWS-10897

My webMethods Server initialization takes a long time when all My webMethods products and language packs are installed.

If you are going to install the My webMethods Server on a UNIX system, the workaround is to make sure you have set sufficient user limits for the shell you use to start the installation and the product daemons. For example, if you have multiple language packs installed for My webMethods Server, or if there are multiple webMethods products on the machine, the daemons for the My webMethods Server will run out of memory if they are started from the shell with a low user limit for data. If your system policy allows it, Software AG recommends setting the value for core dump, data, file, memory, and threads to at least 32768, and the value of nofiles to 8192. For more information about setting and displaying the ulimits, read the man page or ask your system administrator.

This issue is now resolved.
- MWS-11263

My webMethods Server migrator doesn't update the Process Audit data source.

When migrating using a cloned database, the default data source is updated to use the new Database URL, however the Process Audit data source continues to point to the previous database

URL.

The My webMethods Server migration tool should update the Process Audit data source URL if it matches the default Database URL.

The workaround is to edit the Process Audit data source URL to match the default data source.

This issue is now resolved.

- MWS-11174

Indexed Search does not work with the operators "is null" and "is not null".

When using the "searchTaskIndexed" method in the Task API and if the operators "is null" or "is not null" are used, the operators are not added to the query.

This issue is now resolved.

- MWS-11079

An LDAP user encounters an error when trying to save "Private" searches in My webMethods Server.

When an LDAP (Active Directory) user is trying to Save a Private Search in My webMethods Server, the following error is returned: "[POP.002.0108] User UID cannot be found in MWS directories" This error only occurs with "Private" Searches and does not occur while saving "Public" searches.

This issue is now resolved.

- MWS-10908

For page setup in the Power Drill Shell, flaws occur while editing pages in IE9 mode.

When editing pages in My webMethods Server using Internet Explorer 9, rows are missing portlet headers, and Drag'n'Drop does not work.

This issue is now 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 10.0**

- The *Administering My webMethods Server* guide is available as a webhelp on the Software AG Empower website.
- A new chapter, "Sending Mobile Notifications from My webMethods Server", has been added to the *Administering My webMethods Server* guide.

## Release 9.12

A new chapter, “Using Command Central to Manage My webMethods Server”, has been added to the PDF guide *Administering My webMethods Server*. The chapter contains information about how you use the Software AG Command Central web user interface and command line interface to manage My webMethods Server.

## Release 9.10

A new chapter, “Configuring the Time Zone in My webMethods”, has been added to the PDF guide *Working with My webMethods*.

## 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 10.0

Added Item	Description
New additional JVM properties to adjust the http client settings.	You can use the following additional JVM properties in the <code>custom_wrapper.conf</code> file to configure connection settings when making web service calls using the Axis SOAP client: <ul style="list-style-type: none"><li>- <code>axisclient.DefaultMaxConnectionsPerHost</code></li><li>- <code>axisclient.MaxTotalConnections</code></li></ul> For more information, see <i>Administering My webMethods Server</i> .
New additional JVM properties to configure a user name and password for connecting to Universal Messaging.	You can use the following additional JVM properties in the <code>custom_wrapper.conf</code> file to configure credentials for connecting to Universal Messaging: <ul style="list-style-type: none"><li>- <code>lax.nl.env.PRINCIPAL</code></li><li>- <code>lax.nl.env.PASSWORD</code></li></ul>

**Removed Item**

The localControl authentication option is removed from My webMethods Server commands.

Using the database as a JMS provider for My webMethods Server clusters is removed.

**Replacement, if any**

The 'mws ping', 'mws import', and 'mws export' commands now require authentication.

Using the My webMethods Server database as a JMS provider for cluster communication is removed. The replacement is using the Universal Messaging server. For more information, see *Administering My webMethods Server*.

**Changed Item**

My webMethods users must provide their current password when attempting to change the password.

Automatic reconnection settings for LDAP directory services.

**Description**

When updating their profile information, My webMethods users must supply their old password to set a new one. This does not apply to administrative users who change the password of other users.

You can enable the automatic reconnection to LDAP for directory services in My webMethods Server, and set a custom amount of time to wait between reconnection attempts.

## Release 9.12

Added Item	Description
Option to configure universally unique identifier (UUID) for My webMethods Server users accessed through an external user directory service.	<p>A utility is required to update the universally unique identifier (UUID) for My webMethods Server users accessed through an external user directory service. Additionally, an option is required to remove invalid users from My webMethods Server.</p> <p>By default, the external directory service configured with My webMethods Server uses distinguished names (DNs) to identify users. In this case, if a user is transferred from one organization unit to another, My webMethods Server cannot recognize that user because of a change in the user's DN. Moreover, My webMethods Server cannot recognize users who are deleted from a directory service or moved in a directory service, and such users are regarded as invalid users.</p> <p>You can configure My webMethods Server to use UUID, so that users are identified when the DN changes. You can run the <code>UserDirectory_UpdateUUID</code> utility to update the UUID for My webMethods Server users accessed through an external user directory service. To remove invalid users, you can run the <code>Cleanup_InvalidUsers</code> utility.</p> <p>For more information about those utilities, see <i>Administering My webMethods Server</i> and <i>My webMethods Server Portlet Reference</i>.</p>
Expose the Jetty JMX MBeans in the embedded Jetty container.	Enable all of the <code>org.eclipse.jetty.*</code> MBeans in the JMX console for My webMethods Server.

Deprecated Item	Replacement, if any
Support for Axis 1.x, which is used for exposing web services from My webMethods Server, is deprecated.	
Support for webMethods Glue	

Deprecated Item	Replacement, if any
Using the database as a JMS provider for My webMethods Server clusters is deprecated.	webMethods Universal Messaging

Changed Item	Description
Improved My webMethods Server logging	The width of log messages is shortened by using an enhanced pattern layout from <code>org.apache.log4j.EnhancedPatternLayout</code> .
My webMethods Server uses Apache Jackrabbit 2.x.	My webMethods Server now uses Apache Jackrabbit 2.x. The previous Apache Jackrabbit version that the server was using is no longer supported and contains security vulnerabilities.

## **Release 9.10**

Added Item	Description
SAML 2.0 authentication	If you select the Hybrid authentication mode, SAML 2.0 is used by default. To use SAML Artifact Profile, set the <code>wsclient.hybrid.use.samlartifact</code> property to true in the <code>custom_wrapper.conf</code> file in the following My webMethods Server directory: <code>Software AG_directory/profiles/MWS_instanceName/</code> configuration.

Removed Item	Replacement, if any
SOAP Monitor portlet communication port	The SOAP Monitor portlet no longer uses the SOAP Monitor applet that communicated with My webMethods Server over a custom socket. For this reason, the SOAP Monitor portlet communication port (5001 by default) is no longer required or opened. If a My webMethods Administrator has the port open in their firewall, they can remove this configuration.

Changed Item	Description
The SOAP Monitor, Color Picker, and File Attachment applets have been converted to CAF components.	In more recent versions of Chrome and Firefox applets are disabled by default and must be manually enabled. They represent security risks.



Changed Item	Description
Redirecting of URLs	A redirect to a URL starting with // should not be used for a relative redirect URL.

## **Release 9.9**

Added Item	Description
The following CSS properties of the Noodle skin for customizing the default login page of My webMethods Server, using the skin editor.	
align/login-remember-me	Defaults the "Remember me" text of the check box for remembering the login credentials to the left.
fonts/login-defaults	Allows editing the font style for labels, error messages, remember-me and placeholder text.
colors/login-input-border	Defines the color of the login page border.
colors/login-text-button	Defines the text color of the login button.
colors/login-button-top	Defines complex gradient colors for the login button.
colors/login-button-top-hover	Defines complex gradient colors for the login button.
colors/login-button-bottom	Defines complex gradient colors for the login button.
colors/login-button-bottom-hover	Defines complex gradient colors for the login button.
fonts/login-errors	Specifies changes to error message text.
fonts/login-button	Allows editing the font style of the login button text.

Removed Item	Replacement, if any
The following CSS properties of the Noodle skin for customizing the default login page of My webMethods Server:	
colors/login-title	
colors/login-title-bg	

Removed Item	Replacement, if any
fonts/login-title	
colors/login-description-bg	

Deprecated Item	Replacement, if any
The legacy approach for customizing the My webMethods Server Login page that entails using the skin editor to edit the CSS properties of the <code>wm_login</code> portlet.	In addition to the legacy customization approach, you can use the OpenCAF Shell Login template in Software AG Designer to customize the Login page of My webMethods Server. For more information about using OpenCAF, see <i>webMethods CAF Development Help</i> .

Changed Item	Description
The following CSS properties of the Noodle skin for customizing the default login page of My webMethods Server, using the skin editor:	
colors/login	The new default value is '#A9A9BB'. The old value was '#747d86'.
colors/login-bg	The new default value is '#f0f0f0'. The old value was '#E2E4D7'.
colors/login-border	The new default value is '#d9d9d9'. The old value was '#c3c8cc'.
fonts/login	The new default value is 'font-size: 18px'. The old value was 'line-height: 1; font-weight: normal;'.
fonts/login-link	Fonts/login-link is now fonts/login-remember-me. It defaults to empty.
The internal structure of the Import Template View CAF control	Instead of being direct children of the Import Template View control, the controls loaded from the imported view are now held in a new "__viewLoaded" facet. However, because a facet can contain only one component, the imported controls are wrapped in a UIPanel control. As a result, the direct parent of the imported controls is the UIPanel wrapper, and the Import Template View control, in turn, is the parent of the UIPanel wrapper.

## **Release 9.8**

<b>Added Item</b>	<b>Description</b>
Jetty 9	My webMethods Server has upgraded to using Jetty 9.

<b>Removed Item</b>	<b>Replacement, if any</b>
File Content Migration Portlet (Wm_content_migration.war) and related Deployer component. The My webMethods Server File Content Migration portlet was deprecated in a previous release and is removed in this release.  MWS start "-m" option. The "-m" command line option is now obsolete in all My webMethods Server 9.x versions.	

## **Release 9.7**

<b>Added Item</b>	<b>Description</b>
Set Publish Constraints	Add configuration to the Content Service portlet to supply the allowed file extensions that may be published to folders.

<b>Deprecated Item</b>	<b>Replacement, if any</b>
wm_infrastructure.cdp. The build information provided by shared components overlaps information displayed by My webMethods Server and Task Engine.	

<b>Changed Item</b>	<b>Description</b>
Jetty version 8.1.11.v20130520 to Jetty version 8.1.15.v20140411	My webMethods Server now embeds Jetty version 8.1.15.v20140411

## **Release 9.6**

<b>Deprecated Item</b>	<b>Replacement, if any</b>
The AJP13 protocol to link Apache to My webMethods Server instances is now deprecated.	

Deprecated Item	Replacement, if any
Wm_content_migration.war. My webMethods Server File Content Migration portlet is now deprecated.	
Wm_jazzy.pdp. The Java Spell Checker, Jazzy, included with the HTML Text Portlet in My webMethods Server is now deprecated.	The HTML Text Portlet now uses the browser default Spell Checker.

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

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

### **Release 10.0**

Added API	Description
com.webmethods.caf.faces.data.task.impl.TaskInboxIndexedSearchContentProvider\$InboxSearchQuery: Added com.webmethods.caf.faces.data.task.ITaskSearchQueryExtended to the set of implemented interfaces	
com.webmethods.caf.faces.data.task.impl.TaskInboxSearchContentProvider\$InboxSearchQuery: Added com.webmethods.caf.faces.data.task.ITaskSearchQueryExtended to the set of implemented interfaces	
com.webmethods.caf.faces.data.task.impl.TaskSearchQuery: Added com.webmethods.caf.faces.data.task.ITaskSearchQueryExtended to the set of implemented interfaces	
com.webmethods.caf.faces.data.task.impl.TaskSearchQueryV2: Added com.webmethods.caf.faces.data.task.ITaskSearchQueryExtended to the set of implemented interfaces	
com.webmethods.caf.mobile.notify.impl.MobileNotificationProvider: Added com.webmethods.portal.event.modify.IUpdateEvent\$ISynchronousListener to the set of implemented interfaces	
com.webmethods.caf.mobile.notify.task.NotificationSender: Added java.util.concurrent.Callable to the set of implemented interfaces	
com.webmethods.portal.mech.task.impl.TaskQuery: Added com.webmethods.caf.faces.data.task.ITaskSearchQueryExtended to the set of implemented interfaces	
com.webmethods.portal.service.sql.runtime.base.TaskSearchAll: Added com.webmethods.portal.service.task.ITaskInfoFieldConverters to the set of implemented interfaces	
com.webmethods.portal.service.sql.runtime.base.TaskSearchAllByTagCount: Added com.webmethods.portal.service.task.ITaskInfoFieldConverters to the set of implemented interfaces	
com.webmethods.portal.service.sql.runtime.base.TaskSearchAllByTagPaged: Added com.webmethods.portal.service.task.ITaskInfoFieldConverters to the set of implemented interfaces	

com.webmethods.portal.service.sql.runtime.base.TaskSearchAllCount: Added  
com.webmethods.portal.service.task.ITaskInfoFieldConverters to the set of implemented interfaces

com.webmethods.portal.service.sql.runtime.base.TaskSearchAllGroupedCount: Added  
com.webmethods.portal.service.task.ITaskInfoFieldConverters to the set of implemented interfaces

com.webmethods.portal.service.sql.runtime.base.TaskSearchAllPaged: Added  
com.webmethods.portal.service.task.ITaskInfoFieldConverters to the set of implemented interfaces

com.webmethods.portal.service.sql.runtime.base.TaskSearchFromInboxes: Added  
com.webmethods.portal.service.task.ITaskInfoFieldConverters to the set of implemented interfaces

com.webmethods.portal.service.sql.runtime.base.TaskSearchFromInboxesByTagCount: Added  
com.webmethods.portal.service.task.ITaskInfoFieldConverters to the set of implemented interfaces

com.webmethods.portal.service.sql.runtime.base.TaskSearchFromInboxesByTagPaged: Added  
com.webmethods.portal.service.task.ITaskInfoFieldConverters to the set of implemented interfaces

com.webmethods.portal.service.sql.runtime.base.TaskSearchFromInboxesCount: Added  
com.webmethods.portal.service.task.ITaskInfoFieldConverters to the set of implemented interfaces

com.webmethods.portal.service.sql.runtime.base.TaskSearchFromInboxesGroupedCount: Added  
com.webmethods.portal.service.task.ITaskInfoFieldConverters to the set of implemented interfaces

com.webmethods.portal.service.sql.runtime.base.TaskSearchFromInboxesPaged: Added  
com.webmethods.portal.service.task.ITaskInfoFieldConverters to the set of implemented interfaces

com.webmethods.portal.socialbpm.charts.SocialBPMSearchQuery: Added  
com.webmethods.caf.faces.data.task.ITaskSearchQueryExtended to the set of implemented interfaces

com.webmethods.caf.faces.render.html.table.MoveRowDownIconRenderer: Added  
com.webmethods.caf.faces.render.html.table.MoveRowLinkRenderer to the list of superclasses

com.webmethods.caf.faces.render.html.table.MoveRowDownLinkRenderer: Added  
com.webmethods.caf.faces.render.html.table.MoveRowLinkRenderer to the list of superclasses

com.webmethods.caf.faces.render.html.table.MoveRowUpIconRenderer: Added  
com.webmethods.caf.faces.render.html.table.MoveRowLinkRenderer to the list of superclasses

com.webmethods.caf.faces.render.html.table.MoveRowUpLinkRenderer: Added  
com.webmethods.caf.faces.render.html.table.MoveRowLinkRenderer to the list of superclasses

com.webmethods.portal.bizPolicy.biz.task.impl.TaskDBOHelper: Added  
com.webmethods.portal.bizPolicy.biz.task.impl.TaskIndexHelper to the list of superclasses

com.webmethods.caf.common.deployer.MwsDeployerConstants: Added public field  
PROJ\_PROP\_EXPORT\_PAGE\_DEPTH

com.webmethods.caf.mobile.notify.IMobileNotificationConstants: Added public field IOS\_CERT

com.webmethods.caf.mobile.notify.IMobileNotificationConstants: Added public field  
IOS\_HOST\_NAME

com.webmethods.caf.mobile.notify.IMobileNotificationConstants: Added public field

IOS\_HOST\_PORT

com.webmethods.caf.mobile.notify.IMobileNotificationConstants: Added public field  
IOS\_PASSWORD

com.webmethods.caf.mobile.notify.IMobileNotificationConstants: Added public field  
NOTIFIER\_QUEUE\_SIZE\_THRESHOLD

com.webmethods.caf.mobile.notify.impl.MobileNotifierComponent: Added protected field  
m\_connPoolProvider

com.webmethods.caf.mobile.notify.util.MobileNotifierUtil: Added public field  
IOS\_JSON\_PAYLOAD\_TEMPLATE

com.webmethods.portal.bizPolicy.biz.task.ITaskDefinitionConstants: Added public field  
PROPERTY\_HPSTRA\_INDEXTABLEDIS

com.webmethods.portal.bizPolicy.biz.task.ITaskDefinitionConstants: Added public field  
PROPERTY\_HPSTRA\_INDEX\_JOB\_STATUS

com.webmethods.portal.bizPolicy.biz.task.ITaskDefinitionConstants: Added public field  
PROPERTY\_ISHPSTRAENABLED

com.webmethods.portal.bizPolicy.command.task.rs.BaseTaskResource: Added public field  
DEFAULT\_JSON\_DATE\_FORMAT

com.webmethods.portal.service.bcgadget.IBCGadgetConstants: Added public field  
BC\_GADGET\_DEF\_CONTAINER\_NOT\_FOUND\_ERROR\_MSG

com.webmethods.portal.service.dir.impl.DirServicePortletBean: Added public field  
ATTR\_PREFIX\_LENGTH

com.webmethods.portal.service.dir.impl.DirServicePortletBean: Added public field  
EDIT\_ATTR\_CURRPASSWORD

com.webmethods.portal.service.dir.impl.DirServicePortletBean: Added public field USERNAME

com.webmethods.portal.service.dir.impl.DirServicePortletBean: Added public field exceptionMessage

com.webmethods.portal.service.sql.runtime.base.TaskLockSetNew: Added public field  
TE\_MAX\_LAST\_ACTIVE

com.webmethods.portal.service.task.impl.TaskDefinitionView: Added protected field  
m\_taskDetailGadgetURIs

com.webmethods.caf.common.ObjectUtil: Method 'public void sortObjectList(java.util.List,  
java.lang.String, boolean)' has been added

com.webmethods.caf.faces.component.behavior.DragToMoveRowsBehavior: Method 'public boolean  
isPropagateEvents()' has been added

com.webmethods.caf.faces.component.behavior.DragToMoveRowsBehavior: Method 'public void  
setPropagateEvents(boolean)' has been added

com.webmethods.caf.faces.component.tree.AsyncTree: Method 'protected

com.webmethods.caf.faces.data.ITableContentProvider getContentProvider(boolean)' has been added

com.webmethods.caf.faces.data.task.impl.TaskSearchQuery: Method 'public java.lang.String getSearchEngineType()' has been added

com.webmethods.caf.faces.data.task.impl.TaskSearchQuery: Method 'public void setSearchEngineType(java.lang.String)' has been added

com.webmethods.caf.mobile.notify.impl.MobileNotificationProvider: Method 'public void onSynchronousEvent(com.webmethods.portal.event.modify.IUpdateEvent)' has been added

com.webmethods.caf.mobile.notify.impl.MobileNotifierComponent: Method 'public com.webmethods.caf.mobile.notify.impl.AppleMessagingCloudConnectionDetails getM\_iOSConnectionDetails()' has been added

com.webmethods.caf.mobile.notify.impl.MobileNotifierComponent: Method 'public java.util.concurrent.BlockingQueue getMessageQueue()' has been added

com.webmethods.caf.mobile.notify.impl.MobileNotifierComponent: Method 'public java.util.List scheduleCleanUpService(java.util.List)' has been added

com.webmethods.caf.mobile.notify.impl.MobileNotifierComponent: Method 'public void setMessageQueue(java.util.concurrent.BlockingQueue)' has been added

com.webmethods.caf.mobile.notify.impl.MobileNotifierComponent: Method 'public void stopExecutorService()' has been added

com.webmethods.caf.mobile.notify.impl.TaskEventsHandler: Method 'public java.lang.String createMessage(com.webmethods.portal.service.task.event.ITaskChangedEvent)' has been added

com.webmethods.caf.mobile.notify.task.Message: Method 'public java.util.List getAndroidSubscriptionList()' has been added

com.webmethods.caf.mobile.notify.task.Message: Method 'public java.util.List getIOSSubscriptionList()' has been added

com.webmethods.caf.mobile.notify.task.Message: Method 'public void setAndroidSubscriptionList(java.util.List)' has been added

com.webmethods.caf.mobile.notify.task.Message: Method 'public void setIOSSubscriptionList(java.util.List)' has been added

com.webmethods.caf.mobile.notify.task.NotificationSender: Method 'public java.util.List call()' has been added

com.webmethods.caf.mobile.notify.task.NotificationSender: Method 'public java.lang.Object call()' has been added

com.webmethods.caf.mobile.notify.task.NotificationSender: Method 'public byte[] convertPayloadtoUTF8Bytes(java.lang.String)' has been added

com.webmethods.caf.mobile.notify.task.NotificationSender: Method 'public byte[] decodeHex(java.lang.String)' has been added

com.webmethods.caf.mobile.notify.task.NotificationSender: Method 'public byte[] formAPNSMessage(byte, byte[], byte[])' has been added

com.webmethods.caf.mobile.notify.util.MobileNotifierUtil: Method 'public java.lang.String generateIOSPayload(java.util.List, java.lang.String, java.lang.String)' has been added

com.webmethods.caf.script.servlet.ScriptServlet: Method 'protected void includeBCScript(java.lang.String, java.util.Locale, java.io.Writer, boolean)' has been added

com.webmethods.caf.script.servlet.ScriptServlet: Method 'protected void stripBCScript(java.io.Reader, java.io.Writer)' has been added

com.webmethods.caf.script.util.JavascriptStripper: Method 'protected boolean is\_sep\_for\_bc(int)' has been added

com.webmethods.caf.script.util.JavascriptStripper: Method 'protected boolean is\_unambiguous\_sep\_for\_bc(int)' has been added

com.webmethods.caf.script.util.JavascriptStripper: Method 'public void stripBCScript(java.io.Reader, java.io.Writer)' has been added

com.webmethods.caf.script.util.JavascriptStripper: Method 'protected int strip\_c\_comment\_for\_bc(java.io.Reader, java.io.Writer)' has been added

com.webmethods.portal.bizPolicy.biz.task.impl.TaskDBOHelper: Method 'public com.webmethods.portal.service.meta2.dbo.HpstraIndexTable createHpstraIndexTableFromXml(java.lang.String)' has been added

com.webmethods.portal.bizPolicy.command.task.rs.TaskResource: Method 'public void convertJSONToJavaObj(java.util.Map, java.lang.Class)' has been added

com.webmethods.portal.framework.presentation.handlers.Nbsp: Method 'public java.lang.Object lookup(java.util.Map, java.lang.String, boolean)' has been added

com.webmethods.portal.service.dir.impl.DirPrincipalListView: Method 'public java.util.Map getExceptions()' has been added

com.webmethods.portal.service.dir.impl.DirPrincipalListView: Method 'public void setExceptions(java.util.Map)' has been added

com.webmethods.portal.service.dir.impl.DirPrincipalProvider: Method 'protected void populateGroupMembership(com.webmethods.portal.service.dir.IDirPrincipal, java.util.Set, java.util.Map)' has been added

com.webmethods.portal.service.dir.impl.DirServicePortletBean: Method 'protected void EditPrincipalEx()' has been added

com.webmethods.portal.service.dir.impl.DirServicePortletBean: Method 'public void EditUserEx()' has been added

com.webmethods.portal.service.dir.impl.DirServicePortletBean: Method 'public boolean isAuthenticated(java.lang.String, java.lang.String)' has been added

com.webmethods.portal.service.sql.runtime.base.TaskLockSetNew: Method 'protected java.lang.String



getConditionalInsertStatement()' has been added

com.webmethods.portal.service.task.impl.TaskDefinitionView: Method 'public  
com.webmethods.portal.service.meta2.dbo.HpstraIndexTable getHpstraIndexTable()' has been added

com.webmethods.portal.service.task.impl.TaskDefinitionView: Method 'public java.lang.String  
getTaskDetailGadgetURIs()' has been added

com.webmethods.portal.service.task.impl.TaskDefinitionView: Method 'public boolean  
isHpstraEnabled()' has been added

com.webmethods.portal.system.cluster.impl.ClusterProvider: Method 'public void  
reloadClusterServers()' has been added

com.webmethods.portal.webapp.jetty7.MwsSessionManager: Method 'protected void  
addContextLocale(org.eclipse.jetty.server.session.AbstractSession)' has been added

com.webmethods.rtl.event.DeliveryService: Method 'public boolean isConfigLoaded()' has been added

com.webmethods.rtl.msg.jms.JMSDestination\$LiveStatistics\$NameComparator: Method 'public int  
compare(com.webmethods.rtl.msg.jms.JMSDestination\$LiveStatistics,  
com.webmethods.rtl.msg.jms.JMSDestination\$LiveStatistics)' has been added

com.webmethods.rtl.msg.jms.JMSProvider: Method 'protected boolean isMaintenanceMode()' has been  
added

com.webmethods.rtl.script.nbsp.NBSPPage: Method 'public java.lang.Object get(java.lang.String,  
boolean)' has been added

com.webmethods.rtl.script.nbsp.NBSPPage: Method 'public java.lang.String getString(java.lang.String,  
java.lang.String, boolean)' has been added

com.webmethods.rtl.script.nbsp.PooledNBSPPage: Method 'public java.lang.Object get(java.lang.String,  
boolean)' has been added

com.webmethods.rtl.script.nbsp.PooledNBSPPage: Method 'public java.lang.Object get(java.lang.String,  
java.lang.Class, java.lang.Object, boolean)' has been added

com.webmethods.rtl.script.nbsp.PooledNBSPPage: Method 'public java.lang.String  
getString(java.lang.String, java.lang.String, boolean)' has been added

com.webmethods.caf.mobile.notify.IMobileNotifierComponent: Method 'public  
com.webmethods.caf.mobile.notify.impl.AppleMessagingCloudConnectionDetails  
getM\_iOSConnectionDetails()' has been added to an interface

com.webmethods.caf.mobile.notify.IMobileNotifierComponent: Method 'public  
java.util.concurrent.BlockingQueue getMessageQueue()' has been added to an interface

com.webmethods.caf.mobile.notify.IMobileNotifierComponent: Method 'public java.util.List  
scheduleCleanUpService(java.util.List)' has been added to an interface

com.webmethods.caf.mobile.notify.IMobileNotifierComponent: Method 'public void  
setMessageQueue(java.util.concurrent.BlockingQueue)' has been added to an interface

com.webmethods.caf.mobile.notify.IMobileNotifierComponent: Method 'public void stopExecutorService()' has been added to an interface

com.webmethods.common.search.ISliceableSearchContext: Method 'public java.util.Map getExceptions()' has been added to an interface

com.webmethods.portal.mech.task.ITaskMechanics: Method 'public void fireTaskReindexStopEvent(com.webmethods.portal.service.task.ITaskDefinition, java.lang.String)' has been added to an interface

com.webmethods.portal.service.dir.IDirPrincipalList: Method 'public java.util.Map getExceptions()' has been added to an interface

com.webmethods.portal.service.task.ITaskDefinition: Method 'public com.webmethods.portal.service.meta2.dbo.HpstraIndexTable getHpstraIndexTable()' has been added to an interface

com.webmethods.portal.service.task.ITaskDefinition: Method 'public java.lang.String getTaskDetailGadgetURIs()' has been added to an interface

com.webmethods.portal.service.task.ITaskDefinition: Method 'public boolean isHpstraEnabled()' has been added to an interface

com.webmethods.portal.service.task.ITaskDistributionService: Method 'public java.util.List getPrincipalActors(com.webmethods.portal.system.IURI[], boolean)' has been added to an interface

com.webmethods.portal.service.task.event.ITaskReindexStopEvent: Method 'public java.lang.String getIndexEngineType()' has been added to an interface

com.webmethods.portal.system.cluster.IClusterProvider: Method 'public void reloadClusterServers()' has been added to an interface

com.webmethods.rtl.script.nbsp.INBSPRuntime: Method 'public java.lang.Object lookup(java.util.Map, java.lang.String, boolean)' has been added to an interface

com.webmethods.rtl.script.nbsp.INBSPPage: Method 'public java.lang.Object get(java.lang.String, boolean)' has been added to an interface

com.webmethods.rtl.script.nbsp.INBSPPage: Method 'public java.lang.String getString(java.lang.String, java.lang.String, boolean)' has been added to an interface

com.softwareag.mws.screens.BaseScreenClass: Class com.softwareag.mws.screens.BaseScreenClass added

com.softwareag.mws.screens.Constants: Class com.softwareag.mws.screens.Constants added

com.softwareag.mws.screens.MWSLoginLogoutScreen: Class com.softwareag.mws.screens.MWSLoginLogoutScreen added

com.softwareag.mws.screens.applications.administration.systemwide.usermanagement.UsersScreen: Class com.softwareag.mws.screens.applications.administration.systemwide.usermanagement.UsersScreen added

com.webmethods.caf.faces.data.task.AggregationType: Class  
com.webmethods.caf.faces.data.task.AggregationType added

com.webmethods.caf.faces.data.task.IQueryAggregationInfo: Class  
com.webmethods.caf.faces.data.task.IQueryAggregationInfo added

com.webmethods.caf.faces.data.task.ITaskSearchQueryExtended: Class  
com.webmethods.caf.faces.data.task.ITaskSearchQueryExtended added

com.webmethods.caf.faces.data.task.IndexEngineType: Class  
com.webmethods.caf.faces.data.task.IndexEngineType added

com.webmethods.caf.faces.data.task.impl.QueryAggregationInfo: Class  
com.webmethods.caf.faces.data.task.impl.QueryAggregationInfo added

com.webmethods.caf.faces.data.task.impl.TaskInboxHpstraSearchContentProvider: Class  
com.webmethods.caf.faces.data.task.impl.TaskInboxHpstraSearchContentProvider added

com.webmethods.caf.faces.data.task.impl.TaskInboxHpstraSearchContentProvider\$HpstraInboxSearch  
Query: Class  
com.webmethods.caf.faces.data.task.impl.TaskInboxHpstraSearchContentProvider\$HpstraInboxSearch  
Query added

com.webmethods.caf.faces.data.task.impl.TaskSearchQueryExtended: Class  
com.webmethods.caf.faces.data.task.impl.TaskSearchQueryExtended added

com.webmethods.caf.faces.render.html.table.MoveRowLinkRenderer: Class  
com.webmethods.caf.faces.render.html.table.MoveRowLinkRenderer added

com.webmethods.caf.mobile.notify.impl.PushNotification: Class  
com.webmethods.caf.mobile.notify.impl.PushNotification added

com.webmethods.caf.mobile.notify.impl.PushNotification\$PushNotificationCommandBean: Class  
com.webmethods.caf.mobile.notify.impl.PushNotification\$PushNotificationCommandBean added

com.webmethods.caf.mobile.notify.impl.SubscriptionCleanUpEvent: Class  
com.webmethods.caf.mobile.notify.impl.SubscriptionCleanUpEvent added

com.webmethods.caf.mobile.notify.impl.SubscriptionCleanUpHandler: Class  
com.webmethods.caf.mobile.notify.impl.SubscriptionCleanUpHandler added

com.webmethods.caf.mobile.notify.task.APNSCleanUpThread: Class  
com.webmethods.caf.mobile.notify.task.APNSCleanUpThread added

com.webmethods.portal.bizPolicy.biz.task.impl.TaskDBOHelper\$DBIndexer: Class  
com.webmethods.portal.bizPolicy.biz.task.impl.TaskDBOHelper\$DBIndexer added

com.webmethods.portal.bizPolicy.biz.task.impl.TaskIndexHelper: Class  
com.webmethods.portal.bizPolicy.biz.task.impl.TaskIndexHelper added

com.webmethods.portal.bizPolicy.biz.task.impl.TaskIndexHelper\$Indexer: Class  
com.webmethods.portal.bizPolicy.biz.task.impl.TaskIndexHelper\$Indexer added

com.webmethods.portal.bizPolicy.command.system.RuntimeStatusBean: Class

com.webmethods.portal.bizPolicy.command.system.RuntimeStatusBean added  
com.webmethods.portal.bizPolicy.command.system.RuntimeTimeStatus: Class  
com.webmethods.portal.bizPolicy.command.system.RuntimeTimeStatus added  
com.webmethods.portal.bizPolicy.command.system.RuntimeTimeStatus\$StatusInfo: Class  
com.webmethods.portal.bizPolicy.command.system.RuntimeTimeStatus\$StatusInfo added  
com.webmethods.portal.bizPolicy.command.task.rs.LayeredProductVerionResource: Class  
com.webmethods.portal.bizPolicy.command.task.rs.LayeredProductVerionResource added  
com.webmethods.portal.bizPolicy.command.task.rs.LayeredProductVerionResource\$Product: Class  
com.webmethods.portal.bizPolicy.command.task.rs.LayeredProductVerionResource\$Product added  
com.webmethods.portal.bizPolicy.command.task.rs.LayeredProductVerionResource\$ProductHolder:  
Class  
com.webmethods.portal.bizPolicy.command.task.rs.LayeredProductVerionResource\$ProductHolder  
added  
com.webmethods.portal.jms.um.QueueType: Class com.webmethods.portal.jms.um.QueueType added  
com.webmethods.portal.service.meta2.dbo.HpstraIndexTable: Class  
com.webmethods.portal.service.meta2.dbo.HpstraIndexTable added  
com.webmethods.portal.service.meta2.dbo.HpstraIndexTable\$DisplayField: Class  
com.webmethods.portal.service.meta2.dbo.HpstraIndexTable\$DisplayField added  
com.webmethods.portal.service.sql.runtime.base.TaskPendingUpdatesCleanup: Class  
com.webmethods.portal.service.sql.runtime.base.TaskPendingUpdatesCleanup added  
com.webmethods.portal.service.sql.runtime.db2.TaskLockSetNew: Class  
com.webmethods.portal.service.sql.runtime.db2.TaskLockSetNew added  
com.webmethods.portal.service.sql.runtime.db2.UpdateThingCounter: Class  
com.webmethods.portal.service.sql.runtime.db2.UpdateThingCounter added  
com.webmethods.portal.service.sql.runtime.mssql.ThingNewPar: Class  
com.webmethods.portal.service.sql.runtime.mssql.ThingNewPar added  
com.webmethods.portal.service.sql.runtime.mssql.UpdateThingCounter: Class  
com.webmethods.portal.service.sql.runtime.mssql.UpdateThingCounter added  
com.webmethods.portal.service.sql.runtime.mysql.UpdateThingCounter: Class  
com.webmethods.portal.service.sql.runtime.mysql.UpdateThingCounter added  
com.webmethods.portal.service.sql.runtime.oracle.TaskLockSetNew: Class  
com.webmethods.portal.service.sql.runtime.oracle.TaskLockSetNew added  
com.webmethods.portal.service.sql.runtime.oracle.UpdateThingCounter: Class  
com.webmethods.portal.service.sql.runtime.oracle.UpdateThingCounter added  
com.webmethods.portal.service.task.ITaskIndexEngineConfiguration: Class  
com.webmethods.portal.service.task.ITaskIndexEngineConfiguration added

com.webmethods.portal.service.task.ITaskIndexManager: Class  
com.webmethods.portal.service.task.ITaskIndexManager added

com.webmethods.portal.service.task.ITaskInfoFieldConverters: Class  
com.webmethods.portal.service.task.ITaskInfoFieldConverters added

com.webmethods.portal.service.task.ITaskInfoFieldConverters\$AcceptedByListValueConverter: Class  
com.webmethods.portal.service.task.ITaskInfoFieldConverters\$AcceptedByListValueConverter added

com.webmethods.portal.service.task.ITaskInfoFieldConverters\$CurrentUserValueConverter: Class  
com.webmethods.portal.service.task.ITaskInfoFieldConverters\$CurrentUserValueConverter added

com.webmethods.portal.service.task.ITaskInfoFieldConverters\$DateValueConverter: Class  
com.webmethods.portal.service.task.ITaskInfoFieldConverters\$DateValueConverter added

com.webmethods.portal.service.task.ITaskInfoFieldConverters\$FieldValueConverter: Class  
com.webmethods.portal.service.task.ITaskInfoFieldConverters\$FieldValueConverter added

com.webmethods.portal.service.task.ITaskInfoFieldConverters\$PriorityValueConverter: Class  
com.webmethods.portal.service.task.ITaskInfoFieldConverters\$PriorityValueConverter added

com.webmethods.portal.service.task.ITaskInfoFieldConverters\$StatusValueConverter: Class  
com.webmethods.portal.service.task.ITaskInfoFieldConverters\$StatusValueConverter added

com.webmethods.portal.service.task.ITaskInfoFieldConverters\$TaskIDValueConverter: Class  
com.webmethods.portal.service.task.ITaskInfoFieldConverters\$TaskIDValueConverter added

com.webmethods.portal.service.task.ITaskInfoFieldConverters\$TaskTypeIDValueConverter: Class  
com.webmethods.portal.service.task.ITaskInfoFieldConverters\$TaskTypeIDValueConverter added

com.webmethods.portal.service.task.ITaskInfoFieldConverters\$URIValueConverter: Class  
com.webmethods.portal.service.task.ITaskInfoFieldConverters\$URIValueConverter added

com.webmethods.portal.service.task.ITaskInfoFieldConverters\$UserValueConverter: Class  
com.webmethods.portal.service.task.ITaskInfoFieldConverters\$UserValueConverter added

com.webmethods.portal.service.task.SearchContext: Class  
com.webmethods.portal.service.task.SearchContext added

com.webmethods.portal.service.task.SearchKey: Class com.webmethods.portal.service.task.SearchKey  
added

com.webmethods.portal.service.task.SearchKey\$TE\_SearchKeys: Class  
com.webmethods.portal.service.task.SearchKey\$TE\_SearchKeys added

com.webmethods.portal.service.task.TaskIndexEngineFactory: Class  
com.webmethods.portal.service.task.TaskIndexEngineFactory added

com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent: Class  
com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent added

com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent\$DistributionChangeType:  
Class  
com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent\$DistributionChangeType

added

com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent\$IListener: Class  
com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent\$IListener added

com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent\$ISynchronousListener:  
Class

com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent\$ISynchronousListener  
added

com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent\$Listeners: Class  
com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent\$Listeners added

com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent\$SynchronousListeners:  
Class

com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent\$SynchronousListeners  
added

com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent\$SynchronousListeners\$Syn  
chronousListener: Class

com.webmethods.portal.service.task.event.ITaskDistributionChangedEvent\$SynchronousListeners\$Syn  
chronousListener added

com.webmethods.portal.service.task.event.impl.TaskDistributionChangedEvent: Class  
com.webmethods.portal.service.task.event.impl.TaskDistributionChangedEvent added

com.webmethods.portal.service.task.event.impl.TaskReindexStopEvent: Class  
com.webmethods.portal.service.task.event.impl.TaskReindexStopEvent added

com.webmethods.portal.service.task.impl.TaskDBIndexConfiguration: Class  
com.webmethods.portal.service.task.impl.TaskDBIndexConfiguration added

com.webmethods.portal.system.cluster.impl.ClusterNodeRegisteredNotifier: Class  
com.webmethods.portal.system.cluster.impl.ClusterNodeRegisteredNotifier added

com.webmethods.pushNotification.apns.connection.pool.APNSConnectionPool: Class  
com.webmethods.pushNotification.apns.connection.pool.APNSConnectionPool added

com.webmethods.pushNotification.apns.connection.pool.APNSConnectionPoolManager: Class  
com.webmethods.pushNotification.apns.connection.pool.APNSConnectionPoolManager added

com.webmethods.pushNotification.apns.connection.pool.APNSConnectionProvider: Class  
com.webmethods.pushNotification.apns.connection.pool.APNSConnectionProvider added

com.webmethods.pushNotification.apns.connection.pool.APNSPoolableConnection: Class  
com.webmethods.pushNotification.apns.connection.pool.APNSPoolableConnection added

com.webmethods.pushNotification.apns.connection.pool.IConnectionProvider: Class  
com.webmethods.pushNotification.apns.connection.pool.IConnectionProvider added

com.webmethods.pushNotification.apns.connection.pool.IPoolableConnection: Class  
com.webmethods.pushNotification.apns.connection.pool.IPoolableConnection added

**Removed API****Replacement, if any**

com.webmethods.caf.mobile.notify.task.NotificationSender: Removed java.lang.Runnable from the set of implemented interfaces

com.webmethods.caf.mobile.notify.impl.TaskEventsHandler: Removed field OPERATION\_ACCEPTED

com.webmethods.caf.mobile.notify.impl.TaskEventsHandler: Removed field OPERATION\_CANCELLED

com.webmethods.caf.mobile.notify.impl.TaskEventsHandler: Removed field OPERATION\_COMPLETED

com.webmethods.caf.mobile.notify.impl.TaskEventsHandler: Removed field OPERATION\_EXPIRED

com.webmethods.caf.mobile.notify.impl.TaskEventsHandler: Removed field OPERATION\_FAILED

com.webmethods.caf.mobile.notify.impl.TaskEventsHandler: Removed field OPERATION\_QUEUED

com.webmethods.caf.mobile.notify.impl.TaskEventsHandler: Removed field OPERATION\_REASSIGNED

com.webmethods.caf.mobile.notify.impl.TaskEventsHandler: Removed field OPERATION\_RELEASED

com.webmethods.caf.mobile.notify.impl.TaskEventsHandler: Removed field OPERATION\_RESUMED

com.webmethods.caf.mobile.notify.impl.TaskEventsHandler: Removed field OPERATION\_SUSPENDED

com.webmethods.portal.bizPolicy.biz.task.impl.TaskDBOHelper: Removed field reindexAllTaskExecutor

com.webmethods.portal.bizPolicy.biz.task.impl.TaskDBOHelper: Removed field reindexingTasks

com.webmethods.portal.mech.task.impl.TaskMechanics: Removed field USE\_LIGHT\_WEIGHT\_EVENTS

**Deprecated API****Replacement, if any**

com.webmethods.portal.service.task.impl.TaskDistributionService: Method 'public java.util.List getPrincipalActors(com.webmethods.portal.system.IURI[], boolean)' has been deprecated

com.webmethods.portal.service.task.impl.TaskDistributionService: Method 'protected java.util.List returnPagedTaskList(java.lang.String, java.lang.Object[], boolean)' has been deprecated

**Changed API****Description**

com.webmethods.caf.mobile.notify.impl.AppleMessagingCloudConnectionDetails: Increased visibility of class from package to public

com.webmethods.caf.mobile.notify.util.MobileNotifierUtil: Value of compile-time constant ANDROID\_JASON\_PAYLOAD\_TEMPLATE has been changed

com.webmethods.caf.faces.bean.BaseFacesBean: Accessibility of field EMPTY\_RESOURCES has been increased from package to public

com.webmethods.caf.mobile.notify.task.NotificationSender: In method 'public NotificationSender(java.util.concurrent.BlockingQueue, com.sun.jersey.api.client.WebResource\$Builder)' the number of arguments has changed

com.webmethods.caf.mobile.notify.util.MobileNotifierUtil: In method 'public com.webmethods.caf.mobile.notify.task.Message generatePayload(java.util.List, java.lang.String, java.lang.String)' the number of arguments has changed

com.webmethods.portal.jms.um.UmJMSClient: In method 'protected void createQueue(java.lang.String, boolean, int)' the number of arguments has changed

com.webmethods.portal.jms.um.UmJMSClient: In method 'protected void createTopic(java.lang.String, boolean, int)' the number of arguments has changed

com.webmethods.portal.mech.task.impl.TaskMechanics: In method 'public void fireTaskReindexStopEvent(com.webmethods.portal.service.task.ITaskDefinition)' the number of arguments has changed

com.webmethods.caf.mobile.notify.util.MobileNotifierUtil: Return type of method 'public com.webmethods.caf.mobile.notify.task.Message generateAndroidPayload(java.util.List, java.lang.String, java.lang.String)' has been changed to java.lang.String

com.webmethods.portal.jms.db.DbJMSConnProvider: Accessibility of method 'public DbJMSConnProvider()' has been decreased from public to private

**Release 9.12****Added API****Description**

com.webmethods.caf.common.thread.NamedThreadFactory: Method 'public NamedThreadFactory(java.lang.String, boolean)' has been added

com.webmethods.caf.faces.bean.mws\_ui.HtmlHead: Method 'public java.lang.String getEffectsJS()' has been added

com.webmethods.caf.faces.convert.FormattedDateTimeConverter: Added protected field dateFormatDefault

com.webmethods.caf.faces.data.object.DateRange: Added protected field controlCalendar

com.webmethods.caf.faces.data.object.DateRange: Method 'protected java.util.Calendar



**Added API****Description**

getControlCalendar(javax.faces.context.FacesContext)' has been added

com.webmethods.caf.faces.data.object.DateRange: Method 'public void setControlCalendar(java.util.Calendar)' has been added

com.webmethods.caf.mobile.notify.IMobileNotificationConstants: Class  
com.webmethods.caf.mobile.notify.IMobileNotificationConstants added

com.webmethods.caf.mobile.notify.IMobileNotificationProvider: Class  
com.webmethods.caf.mobile.notify.IMobileNotificationProvider added

com.webmethods.caf.mobile.notify.IMobileNotifierComponent: Class  
com.webmethods.caf.mobile.notify.IMobileNotifierComponent added

com.webmethods.caf.mobile.notify.activator.MobileNotificationActivator: Class  
com.webmethods.caf.mobile.notify.activator.MobileNotificationActivator added

com.webmethods.caf.mobile.notify.impl.MobileNotificationProvider: Class  
com.webmethods.caf.mobile.notify.impl.MobileNotificationProvider added

com.webmethods.caf.mobile.notify.impl.MobileNotifierComponent: Class  
com.webmethods.caf.mobile.notify.impl.MobileNotifierComponent added

com.webmethods.caf.mobile.notify.impl.TaskEventsHandler: Class  
com.webmethods.caf.mobile.notify.impl.TaskEventsHandler added

com.webmethods.caf.mobile.notify.task.Message: Class  
com.webmethods.caf.mobile.notify.task.Message added

com.webmethods.caf.mobile.notify.task.MonitorPendingNotificationMessages: Class  
com.webmethods.caf.mobile.notify.task.MonitorPendingNotificationMessages added

com.webmethods.caf.mobile.notify.task.NotificationSender: Class  
com.webmethods.caf.mobile.notify.task.NotificationSender added

com.webmethods.caf.mobile.notify.util.MobileNotifierUtil: Class  
com.webmethods.caf.mobile.notify.util.MobileNotifierUtil added

com.webmethods.caf.wsserver.auth.saml.SamlUtils: Method 'public org.w3c.dom.Element marshalSamlObject(org.opensaml.xml.XMLObject)' has been added

com.webmethods.caf.wsserver.auth.saml.SamlUtils: Method 'public org.opensaml.xml.XMLObject unmarshalElement(org.w3c.dom.Element)' has been added

com.webmethods.portal.bizPolicy.biz.dir.IGroupBizPolicy: Added  
com.webmethods.portal.bizPolicy.biz.view.IViewableContainerPolicy to the set of implemented interfaces

com.webmethods.portal.bizPolicy.biz.dir.IPrincipalBizPolicy: Added  
com.webmethods.portal.bizPolicy.biz.view.IViewableContainerPolicy to the set of implemented interfaces

Added API	Description
com.webmethods.portal.bizPolicy.biz.dir.IUserBizPolicy:	Added com.webmethods.portal.bizPolicy.biz.view.IViewableContainerPolicy to the set of implemented interfaces
com.webmethods.portal.bizPolicy.biz.dir.impl.GroupBizPolicy:	Added com.webmethods.portal.bizPolicy.biz.view.IViewableContainerPolicy to the set of implemented interfaces
com.webmethods.portal.bizPolicy.biz.dir.impl.GroupBizPolicy:	Added com.webmethods.portal.bizPolicy.biz.view.impl.ViewableContainerPolicy to the list of superclasses
com.webmethods.portal.bizPolicy.biz.dir.impl.PrincipalBizPolicy:	Added com.webmethods.portal.bizPolicy.biz.view.IViewableContainerPolicy to the set of implemented interfaces
com.webmethods.portal.bizPolicy.biz.dir.impl.PrincipalBizPolicy:	Added com.webmethods.portal.bizPolicy.biz.view.impl.ViewableContainerPolicy to the list of superclasses
com.webmethods.portal.bizPolicy.biz.dir.impl.UserBizPolicy:	Added com.webmethods.portal.bizPolicy.biz.view.IViewableContainerPolicy to the set of implemented interfaces
com.webmethods.portal.bizPolicy.biz.dir.impl.UserBizPolicy:	Added com.webmethods.portal.bizPolicy.biz.view.impl.ViewableContainerPolicy to the list of superclasses
com.webmethods.portal.bizPolicy.biz.task.impl.TaskInfo:	Added java.io.Serializable to the set of implemented interfaces
com.webmethods.portal.bizPolicy.biz.task.impl.TaskInfoExtended:	Added java.io.Serializable to the set of implemented interfaces
com.webmethods.portal.bizPolicy.command.ICommandManager:	Method 'public com.webmethods.portal.bizPolicy.command.IRemoteCommandTransport getRemoteCommandTransport(java.lang.String)' has been added to an interface
com.webmethods.portal.bizPolicy.command.ICommandManager:	Method 'public java.util.List invokeClusterCommand(com.webmethods.portal.bizPolicy.IContext, com.webmethods.portal.bizPolicy.command.ICommand, com.webmethods.portal.bizPolicy.command.ICommandBean)' has been added to an interface
com.webmethods.portal.bizPolicy.command.ICommandResponseEntry:	Class com.webmethods.portal.bizPolicy.command.ICommandResponseEntry added
com.webmethods.portal.bizPolicy.command.dir.GetPortalStyle:	Method 'protected void checkAccess(com.webmethods.portal.bizPolicy.IContext, com.webmethods.portal.mech.dir.IPrincipalMechanics, com.webmethods.portal.system.IURI)' has been added
com.webmethods.portal.bizPolicy.command.dir.SearchDirectory:	Method 'protected void

Added API	Description
checkAccess(com.webmethods.portal.bizPolicy.IContext, com.webmethods.portal.mech.dir.IDirServiceMechanics, com.webmethods.portal.service.meta2.thing.IThingID)' has been added	
com.webmethods.portal.bizPolicy.command.dir.SearchDirectoryEx: Method 'protected void checkAccess(com.webmethods.portal.bizPolicy.IContext, com.webmethods.portal.mech.dir.IDirServiceMechanics, com.webmethods.portal.service.meta2.thing.IThingID)' has been added	
com.webmethods.portal.bizPolicy.command.dir.SearchDirectoryRefined: Method 'protected void checkAccess(com.webmethods.portal.bizPolicy.IContext, com.webmethods.portal.mech.dir.IDirServiceMechanics, com.webmethods.portal.service.meta2.thing.IThingID)' has been added	
com.webmethods.portal.bizPolicy.command.dir.SearchDirectoryRefinedPaged: Method 'protected void checkAccess(com.webmethods.portal.bizPolicy.IContext, com.webmethods.portal.mech.dir.IDirServiceMechanics, com.webmethods.portal.service.meta2.thing.IThingID)' has been added	
com.webmethods.portal.bizPolicy.command.impl.CommandManager: Method 'public com.webmethods.portal.bizPolicy.command.IRemoteCommandTransport getRemoteCommandTransport(java.lang.String)' has been added	
com.webmethods.portal.bizPolicy.command.impl.CommandManager: Method 'public java.util.List invokeClusterCommand(com.webmethods.portal.bizPolicy.IContext, com.webmethods.portal.bizPolicy.command.ICommand, com.webmethods.portal.bizPolicy.command.ICommandBean)' has been added	
com.webmethods.portal.bizPolicy.command.remote.RemoteCommand: Class com.webmethods.portal.bizPolicy.command.remote.RemoteCommand added	
com.webmethods.portal.bizPolicy.command.remote.RemoteCommandBean: Class com.webmethods.portal.bizPolicy.command.remote.RemoteCommandBean added	
com.webmethods.portal.bizPolicy.command.remote.jms.JmsRemoteCommandTransport: Class com.webmethods.portal.bizPolicy.command.remote.jms.JmsRemoteCommandTransport added	
com.webmethods.portal.bizPolicy.command.remote.jms.JmsRemoteCommandTransport\$RemoteJmsException: Class	
com.webmethods.portal.bizPolicy.command.remote.jms.JmsRemoteCommandTransport\$RemoteJmsException added	
com.webmethods.portal.bizPolicy.command.remote.jms.JmsRemoteTransaction: Class com.webmethods.portal.bizPolicy.command.remote.jms.JmsRemoteTransaction added	
com.webmethods.portal.bizPolicy.command.system.JndiRefreshCluster: Class	

**Added API****Description**

com.webmethods.portal.bizPolicy.command.system.JndiRefreshCluster added

com.webmethods.portal.bizPolicy.command.task.jms.AbstractTaskCommand: Class  
com.webmethods.portal.bizPolicy.command.task.jms.AbstractTaskCommand added

com.webmethods.portal.bizPolicy.command.task.jms.AbstractTaskCommandBean: Class  
com.webmethods.portal.bizPolicy.command.task.jms.AbstractTaskCommandBean added

com.webmethods.portal.bizPolicy.command.task.jms.AddTaskAttachmentJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.AddTaskAttachmentJMS added

com.webmethods.portal.bizPolicy.command.task.jms.AddTaskCommentJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.AddTaskCommentJMS added

com.webmethods.portal.bizPolicy.command.task.jms.DeleteTaskAttachmentJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.DeleteTaskAttachmentJMS added

com.webmethods.portal.bizPolicy.command.task.jms.DeleteTaskCommentJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.DeleteTaskCommentJMS added

com.webmethods.portal.bizPolicy.command.task.jms.DeleteTaskJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.DeleteTaskJMS added

com.webmethods.portal.bizPolicy.command.task.jms.GetTaskAttachmentsJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.GetTaskAttachmentsJMS added

com.webmethods.portal.bizPolicy.command.task.jms.GetTaskAuditJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.GetTaskAuditJMS added

com.webmethods.portal.bizPolicy.command.task.jms.GetTaskCommentsJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.GetTaskCommentsJMS added

com.webmethods.portal.bizPolicy.command.task.jms.GetTaskJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.GetTaskJMS added

com.webmethods.portal.bizPolicy.command.task.jms.QueueTaskJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.QueueTaskJMS added

com.webmethods.portal.bizPolicy.command.task.jms.SearchTasksFieldsJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.SearchTasksFieldsJMS added

com.webmethods.portal.bizPolicy.command.task.jms.SearchTasksJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.SearchTasksJMS added

com.webmethods.portal.bizPolicy.command.task.jms.SearchTasksPagedJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.SearchTasksPagedJMS added

com.webmethods.portal.bizPolicy.command.task.jms.SearchTasksTotalCountJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.SearchTasksTotalCountJMS added

com.webmethods.portal.bizPolicy.command.task.jms.UpdateTaskAttachmentJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.UpdateTaskAttachmentJMS added

**Added API****Description**

com.webmethods.portal.bizPolicy.command.task.jms.UpdateTaskCommentJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.UpdateTaskCommentJMS added

com.webmethods.portal.bizPolicy.command.task.jms.UpdateTaskJMS: Class  
com.webmethods.portal.bizPolicy.command.task.jms.UpdateTaskJMS added

com.webmethods.portal.bizPolicy.command.task.jms.impl.TaskJMSUtils: Class  
com.webmethods.portal.bizPolicy.command.task.jms.impl.TaskJMSUtils added

com.webmethods.portal.bizPolicy.command.task.rs.MWSCustomDispatchProvider: Class  
com.webmethods.portal.bizPolicy.command.task.rs.MWSCustomDispatchProvider added

com.webmethods.portal.bizPolicy.command.task.rs.MWSRequestDispatcher: Class  
com.webmethods.portal.bizPolicy.command.task.rs.MWSRequestDispatcher added

com.webmethods.portal.bizPolicy.command.task.webservice.SearchTasksFieldsWS: Added  
java.io.Serializable to the set of implemented interfaces

com.webmethods.portal.bizPolicy.command.task.webservice.SearchTasksWS: Added  
java.io.Serializable to the set of implemented interfaces

com.webmethods.portal.bizPolicy.command.task.webservice.Task: Added java.io.Serializable to the set  
of implemented interfaces

com.webmethods.portal.bizPolicy.command.task.webservice.dotnet.SearchTasksDotNetWS: Added  
java.io.Serializable to the set of implemented interfaces

com.webmethods.portal.bizPolicy.command.task.webservice.dotnet.SearchTasksFieldsDotNetWS:  
Added java.io.Serializable to the set of implemented interfaces

com.webmethods.portal.bizPolicy.impl.upgrade.MoveVersionSystemComponentData: Class  
com.webmethods.portal.bizPolicy.impl.upgrade.MoveVersionSystemComponentData added

com.webmethods.portal.event.dir.IDirPrincipalDNUpdateEvent: Class  
com.webmethods.portal.event.dir.IDirPrincipalDNUpdateEvent added

com.webmethods.portal.event.dir.IDirPrincipalDNUpdateEvent\$IListener: Class  
com.webmethods.portal.event.dir.IDirPrincipalDNUpdateEvent\$IListener added

com.webmethods.portal.event.dir.IDirPrincipalDNUpdateEvent\$ISynchronousListener: Class  
com.webmethods.portal.event.dir.IDirPrincipalDNUpdateEvent\$ISynchronousListener added

com.webmethods.portal.event.dir.IDirPrincipalDNUpdateEvent\$Listeners: Class  
com.webmethods.portal.event.dir.IDirPrincipalDNUpdateEvent\$Listeners added

com.webmethods.portal.event.dir.IDirPrincipalDNUpdateEvent\$QueueListeners: Class  
com.webmethods.portal.event.dir.IDirPrincipalDNUpdateEvent\$QueueListeners added

com.webmethods.portal.event.dir.IDirPrincipalDNUpdateEvent\$SynchronousListeners: Class  
com.webmethods.portal.event.dir.IDirPrincipalDNUpdateEvent\$SynchronousListeners added

com.webmethods.portal.event.dir.impl.DirPrincipalDNUpdateEvent: Class

Added API	Description
com.webmethods.portal.event.dir.impl.DirPrincipalDNUpdateEvent	added
com.webmethods.portal.event.sso.ISSODataChangeEvent	Class added
com.webmethods.portal.event.sso.ISSODataChangeEvent\$IListener	Class added
com.webmethods.portal.event.sso.ISSODataChangeEvent\$ISynchronousListener	Class added
com.webmethods.portal.event.sso.ISSODataChangeEvent\$Listeners	Class added
com.webmethods.portal.event.sso.ISSODataChangeEvent\$QueueListeners	Class added
com.webmethods.portal.event.sso.ISSODataChangeEvent\$SynchronousListeners	Class added
com.webmethods.portal.event.sso.impl.SSODataChangeEvent	Class added
com.webmethods.portal.framework.dispatch.handlers.system.SAMLSSOHandler	Class added
com.webmethods.portal.framework.dispatch.preProcessors.OpenRedirectCheck	Class added
com.webmethods.portal.framework.dispatch.resolvers.SAMLAuthReqResolver	Class added
com.webmethods.portal.framework.impl.PortalServlet	Added public field PORTAL_SERVLET_LOCK_OBJ
com.webmethods.portal.framework.portletcontainer.servlet.JettyPortletRequestWrapper	Method 'public org.eclipse.jetty.util.MultiMap getParameterMultiMap()' has been added
com.webmethods.portal.framework.portletcontainer.servlet.JettyPortletRequestWrapper	Method 'public java.util.Map getParameters()' has been added
com.webmethods.portal.jms.JMSPhaseProvider	Added com.webmethods.portal.system.IComponent to the set of implemented interfaces
com.webmethods.portal.jms.JMSPhaseProvider	Added com.webmethods.portal.system.IConstants to the set of implemented interfaces
com.webmethods.portal.jms.JMSPhaseProvider	Added com.webmethods.portal.system.impl.BaseComponent to the list of superclasses
com.webmethods.portal.jms.JMSPhaseProvider	Added public field COMPONENT_NAME
com.webmethods.portal.jms.um.UmJMSClient	Added abstract modifier to class

Added API	Description
com.webmethods.portal.jms.um.UmJMSSClient: Added	
com.webmethods.portal.system.init.IInitializable	to the set of implemented interfaces
com.webmethods.portal.jms.um.UmJMSSClient: Added	com.webmethods.rtl.msg.jms.IJMSPProvider to the set of implemented interfaces
com.webmethods.portal.jms.um.UmJMSSClient: Added	com.webmethods.rtl.msg.jms.JMSPProvider to the list of superclasses
com.webmethods.portal.jms.um.UmJMSSClient: Added	com.webmethods.rtl.msg.jms.JMSStdConnProvider to the list of superclasses
com.webmethods.portal.jms.um.UmJMSSClient: Method	'protected boolean createInitialContext()' has been added
com.webmethods.portal.jms.um.UmJMSSClient: Method	'protected void registerFactory(org.w3c.dom.Element)' has been added
com.webmethods.portal.jms.um.UmJMSSClient: Method	'protected void registerQueue(org.w3c.dom.Element)' has been added
com.webmethods.portal.jms.um.UmJMSSClient: Method	'protected void registerTopic(org.w3c.dom.Element)' has been added
com.webmethods.portal.jms.um.UmJMSSClient: Method	'protected void resetContext()' has been added
com.webmethods.portal.jms.um.UmJMSSConnProvider: Added	com.webmethods.portal.jms.um.UmJMSSClient to the list of superclasses
com.webmethods.portal.jms.um.UmJMSSConnProvider: Method	'protected void onDisconnect(boolean)' has been added
com.webmethods.portal.jms.um.UmJMSSConnProvider: Method	'public void onShutdown()' has been added
com.webmethods.portal.mech.dir.IDirServiceMechanics: Method	'public java.util.List updatePrincipalUUID(int)' has been added to an interface
com.webmethods.portal.mech.dir.IGroupMechanics: Added	com.webmethods.portal.mech.view.IViewableContainerMechanics to the set of implemented interfaces
com.webmethods.portal.mech.dir.IPrincipalMechanics: Added	com.webmethods.portal.mech.view.IViewableContainerMechanics to the set of implemented interfaces
com.webmethods.portal.mech.dir.IRoleMechanics: Added	com.webmethods.portal.mech.view.IViewableContainerMechanics to the set of implemented interfaces
com.webmethods.portal.mech.dir.IUserMechanics: Added	com.webmethods.portal.mech.view.IViewableContainerMechanics to the set of implemented interfaces
com.webmethods.portal.mech.dir.impl.DirMechanicsUtils: Method	'public java.lang.String generateUUIDQuery(com.webmethods.portal.service.dir.IDirService, java.lang.String, int)' has been

Added API	Description
added	
com.webmethods.portal.mech.dir.impl.DirServiceMechanics:	Method 'public java.util.List updatePrincipalUUID(int)' has been added
com.webmethods.portal.mech.dir.impl.GroupMechanics:	Added com.webmethods.portal.mech.view.IViewableContainerMechanics to the set of implemented interfaces
com.webmethods.portal.mech.dir.impl.GroupMechanics:	Added com.webmethods.portal.mech.view.impl.ViewableContainerMechanics to the list of superclasses
com.webmethods.portal.mech.dir.impl.PrincipalMechanics:	Added com.webmethods.portal.mech.view.IViewableContainerMechanics to the set of implemented interfaces
com.webmethods.portal.mech.dir.impl.PrincipalMechanics:	Added com.webmethods.portal.mech.view.impl.ViewableContainerMechanics to the list of superclasses
com.webmethods.portal.mech.dir.impl.RoleMechanics:	Added com.webmethods.portal.mech.view.IViewableContainerMechanics to the set of implemented interfaces
com.webmethods.portal.mech.dir.impl.RoleMechanics:	Added com.webmethods.portal.mech.view.impl.ViewableContainerMechanics to the list of superclasses
com.webmethods.portal.mech.dir.impl.UserMechanics:	Added com.webmethods.portal.mech.view.IViewableContainerMechanics to the set of implemented interfaces
com.webmethods.portal.mech.dir.impl.UserMechanics:	Added com.webmethods.portal.mech.view.impl.ViewableContainerMechanics to the list of superclasses
com.webmethods.portal.mech.task.impl.RefreshTaskHandler:	Class com.webmethods.portal.mech.task.impl.RefreshTaskHandler added
com.webmethods.portal.mech.task.impl.TaskHelper:	Method 'public java.lang.ClassLoader getClassLoaderIfExists(com.webmethods.portal.service.task.ITaskDefinition)' has been added
com.webmethods.portal.mech.view.impl.ViewableContainerMechanics:	Method 'protected com.webmethods.portal.service.view.IPagingCookie createPagingCookie(com.webmethods.portal.service.meta2.thing.IThingID)' has been added
com.webmethods.portal.service.access.IAccessPrivilegeConfiguration:	Class com.webmethods.portal.service.access.IAccessPrivilegeConfiguration added
com.webmethods.portal.service.access.impl.DashboardAclManager:	Class com.webmethods.portal.service.access.impl.DashboardAclManager added
com.webmethods.portal.service.access.impl.DashboardAclManager\$DashboardAclResource:	Class com.webmethods.portal.service.access.impl.DashboardAclManager\$DashboardAclResource added
com.webmethods.portal.service.access.impl.DashboardContainerAclManager:	Class com.webmethods.portal.service.access.impl.DashboardContainerAclManager added
com.webmethods.portal.service.access.impl.DashboardContainerAclManager\$DashboardContainerAcl	



Added API	Description
Resource: Class	
com.webmethods.portal.service.access.impl.DashboardContainerAclManager\$DashboardContainerAclResource added	
com.webmethods.portal.service.access.impl.GadgetsAclManager: Method 'public java.util.Map getResultColumnMetadata()' has been added	
com.webmethods.portal.service.access.impl.GadgetsAclManager: Method 'public java.util.List searchResources(com.webmethods.caf.faces.search.query.ISearchQuery)' has been added	
com.webmethods.portal.service.access.impl.GadgetsAclManager\$GadgetAclResource: Method 'public java.lang.Object getValue(java.lang.Object)' has been added	
com.webmethods.portal.service.access.impl.WMApplsAclManager: Method 'public void addServiceTracker(org.osgi.framework.BundleContext)' has been added	
com.webmethods.portal.service.access.impl.WMApplsAclManager: Method 'public void stopServiceTracker()' has been added	
com.webmethods.portal.service.cache.impl.AliasCache: Added	
com.webmethods.portal.event.remove.IDeleteEvent\$ISynchronousListener to the set of implemented interfaces	
com.webmethods.portal.service.cache.impl.AliasCache: Method 'public void onSynchronousEvent(com.webmethods.portal.event.remove.IDeleteEvent)' has been added	
com.webmethods.portal.service.dir.DirectoryTools: Added public field UUIDUserResolution	
com.webmethods.portal.service.dir.DirectoryTools: Added protected field UUID_CONFIG	
com.webmethods.portal.service.dir.DirectoryTools: Method 'public	
com.webmethods.portal.service.dir.IDirService	
getDirectoryService(com.webmethods.portal.system.IURI)' has been added	
com.webmethods.portal.service.dir.DirectoryTools: Method 'public java.util.List getEmptyUUIDUsers()' has been added	
com.webmethods.portal.service.dir.DirectoryTools: Method 'public java.lang.Boolean getUUIDResolution()' has been added	
com.webmethods.portal.service.dir.DirectoryTools: Method 'public java.lang.String getUserDNFromUserUUID(java.lang.String, com.webmethods.portal.service.meta2.IUserService)' has been added	
com.webmethods.portal.service.dir.DirectoryTools: Method 'public void invalidateGroupRoleCache(com.webmethods.portal.service.meta2.thing.IThingID)' has been added	
com.webmethods.portal.service.dir.DirectoryTools: Method 'public	
com.webmethods.portal.service.meta2.thing.IThingID	
resolveUserByUUID(com.webmethods.portal.service.dir.init.IInitializableUser)' has been added	

Added API	Description
com.webmethods.portal.service.dir.DirectoryTools: Method 'public java.util.List updatePrincipalUUID()' has been added	
com.webmethods.portal.service.dir.IDirConstants: Added public field USER_UUID	
com.webmethods.portal.service.dir.IDirQueryProvider: Method 'public com.webmethods.portal.service.dir.IDirPrincipal lookupByUUID(int, java.lang.String)' has been added to an interface	
com.webmethods.portal.service.dir.impl.DirServicePortletBean: Method 'public boolean isSirNameFirst(com.webmethods.portal.bizPolicy.IContext)' has been added	
com.webmethods.portal.service.dir.init.IInitializablePrincipal: Method 'public java.lang.String getUUID()' has been added to an interface	
com.webmethods.portal.service.dir.init.impl.InitializablePrincipal: Method 'public java.lang.String getUUID()' has been added	
com.webmethods.portal.service.meta2.IUserService: Method 'public java.util.List getEmptyUUIDUsers()' has been added to an interface	
com.webmethods.portal.service.meta2.IUserService: Method 'public java.util.Map getUserDetailsByURI(com.webmethods.portal.system.IURI)' has been added to an interface	
com.webmethods.portal.service.meta2.IUserService: Method 'public java.util.Map getUserDetailsByUUID(java.lang.String)' has been added to an interface	
com.webmethods.portal.service.meta2.IUserService: Method 'public void invalidateUserUUID()' has been added to an interface	
com.webmethods.portal.service.meta2.IUserService: Method 'public void updateDistinguishedName(java.lang.String, java.lang.String, int)' has been added to an interface	
com.webmethods.portal.service.meta2.IUserService: Method 'public void updateUUID(java.lang.String, java.lang.String, int)' has been added to an interface	
com.webmethods.portal.service.meta2.directory.IUserInfo: Method 'public java.lang.String getUUID()' has been added to an interface	
com.webmethods.portal.service.meta2.directory.impl.User: Method 'public java.lang.String getUUID()' has been added	
com.webmethods.portal.service.meta2.directory.impl.UserInfo: Added protected field uuid	
com.webmethods.portal.service.meta2.directory.impl.UserInfo: Method 'public java.lang.String getUUID()' has been added	
com.webmethods.portal.service.meta2.impl.UserService: Method 'public java.util.List getEmptyUUIDUsers()' has been added	
com.webmethods.portal.service.meta2.impl.UserService: Method 'public java.util.Map getUserDetailsByURI(com.webmethods.portal.system.IURI)' has been added	

Added API	Description
com.webmethods.portal.service.meta2.impl.UserService: Method 'public java.util.Map getUserDetailsByUUID(java.lang.String)' has been added	
com.webmethods.portal.service.meta2.impl.UserService: Method 'public void invalidateUserUUID()' has been added	
com.webmethods.portal.service.meta2.impl.UserService: Method 'public void updateDistinguishedName(java.lang.String, java.lang.String, int)' has been added	
com.webmethods.portal.service.meta2.impl.UserService: Method 'public void updateUUID(java.lang.String, java.lang.String, int)' has been added	
com.webmethods.portal.service.socialbpm.chart.impl.ChartData: Method 'public java.lang.String getTaskTypeID()' has been added	
com.webmethods.portal.service.socialbpm.chart.impl.ChartData: Method 'public void setTaskTypeID(java.lang.String)' has been added	
com.webmethods.portal.service.socialbpm.chart.impl.ChartService: Method 'protected java.lang.String getTaskTypeID(java.lang.String)' has been added	
com.webmethods.portal.service.sql.runtime.base.EmptyUUIDUserList: Class com.webmethods.portal.service.sql.runtime.base.EmptyUUIDUserList added	
com.webmethods.portal.service.sql.runtime.base.InvalidateUserUUID: Class com.webmethods.portal.service.sql.runtime.base.InvalidateUserUUID added	
com.webmethods.portal.service.sql.runtime.base.SetUserGroupUUID: Class com.webmethods.portal.service.sql.runtime.base.SetUserGroupUUID added	
com.webmethods.portal.service.sql.runtime.base.TaskLockSetNew: Class com.webmethods.portal.service.sql.runtime.base.TaskLockSetNew added	
com.webmethods.portal.service.sql.runtime.base.UserDetailsByURI: Class com.webmethods.portal.service.sql.runtime.base.UserDetailsByURI added	
com.webmethods.portal.service.sql.runtime.base.UserDetailsByUUID: Class com.webmethods.portal.service.sql.runtime.base.UserDetailsByUUID added	
com.webmethods.portal.service.task.ITaskLockingService: Method 'public com.webmethods.portal.service.task.ITaskLock acquireLock(com.webmethods.portal.system.IURI, com.webmethods.portal.system.IURI, long, long, boolean)' has been added to an interface	
com.webmethods.portal.service.task.event.RefreshTaskEvent: Class com.webmethods.portal.service.task.event.RefreshTaskEvent added	
com.webmethods.portal.service.task.event.RefreshTaskEvent\$ISynchronousListener: Class com.webmethods.portal.service.task.event.RefreshTaskEvent\$ISynchronousListener added	
com.webmethods.portal.service.task.event.RefreshTaskEvent\$SynchronousListeners: Class com.webmethods.portal.service.task.event.RefreshTaskEvent\$SynchronousListeners added	

Added API	Description
com.webmethods.portal.service.task.event.RefreshTaskEvent\$SynchronousListeners\$SynchronousListener: Class	
com.webmethods.portal.service.task.event.RefreshTaskEvent\$SynchronousListeners\$SynchronousListener added	
com.webmethods.portal.service.task.event.TaskChangedEventRetry: Class	
com.webmethods.portal.service.task.event.TaskChangedEventRetry added	
com.webmethods.portal.service.task.event.impl.RefreshTaskEvent: Class	
com.webmethods.portal.service.task.event.impl.RefreshTaskEvent added	
com.webmethods.portal.service.task.impl.TaskLockingService: Method 'public	
com.webmethods.portal.service.task.ITaskLock acquireLock(com.webmethods.portal.system.IURI,	
com.webmethods.portal.system.IURI, long, long, boolean)' has been added	
com.webmethods.portal.system.ISAMLSSOConstants: Class	
com.webmethods.portal.system.ISAMLSSOConstants added	
com.webmethods.portal.system.cluster.IClusterProvider: Method 'public java.lang.String	
getClusterId()' has been added to an interface	
com.webmethods.portal.system.cluster.IClusterProvider: Method 'public boolean	
isCurrentServer(com.webmethods.portal.system.cluster.IServer)' has been added to an interface	
com.webmethods.portal.system.cluster.IClusterProvider: Method 'public void	
recreateJNDIConnection()' has been added to an interface	
com.webmethods.portal.system.cluster.IClusterProvider: Method 'public boolean	
reloadJNDIProviderURL()' has been added to an interface	
com.webmethods.portal.system.cluster.impl.ClusterProvider: Added public field	
CLUSTER_ID_PROP_KEY	
com.webmethods.portal.system.cluster.impl.ClusterProvider: Added public field s_logCategory	
com.webmethods.portal.system.cluster.impl.ClusterProvider: Method 'public java.lang.String	
getClusterId()' has been added	
com.webmethods.portal.system.cluster.impl.ClusterProvider: Method 'public boolean	
isCurrentServer(com.webmethods.portal.system.cluster.IServer)' has been added	
com.webmethods.portal.system.cluster.impl.ClusterProvider: Method 'public void	
recreateJNDIConnection()' has been added	
com.webmethods.portal.system.cluster.impl.ClusterProvider: Method 'public boolean	
reloadJNDIProviderURL()' has been added	
com.webmethods.portal.system.sso.saml.idp.SAMLIdentityProvider: Class	
com.webmethods.portal.system.sso.saml.idp.SAMLIdentityProvider added	
com.webmethods.portal.system.sso.saml.idp.SAMLSSODataChangeListener: Class	

Added API	Description
com.webmethods.portal.system.sso.saml.idp.SAMLSSODataChangeListener	added
com.webmethods.portal.system.sso.saml.idp.SAMLServiceProvider	Class
com.webmethods.portal.system.sso.saml.idp.SAMLServiceProvider	added
com.webmethods.portal.system.sso.saml.idp.SSOIDPConfiguration	Class
com.webmethods.portal.system.sso.saml.idp.SSOIDPConfiguration	added
com.webmethods.portal.system.sso.saml.idp.WebSSOPropsUtil	Class
com.webmethods.portal.system.sso.saml.idp.WebSSOPropsUtil	added
com.webmethods.portal.taglib.TaglibUtil	Method 'public java.lang.String generateUniqueID()' has been added
com.webmethods.portal.webservices.wsclient.PortalArtifactFactory	Method 'public org.opensaml.saml2.core.AuthnRequest getAuthnRequest(java.lang.String)' has been added
com.webmethods.portal.webservices.wsclient.PortalArtifactFactory	Method 'public java.lang.String getResponse(java.net.URL, java.lang.String, java.util.Map, java.lang.String[], java.util.Map, org.opensaml.saml2.core.AuthnRequest)' has been added
com.webmethods.portal.webservices.wsclient.PortalArtifactFactory	Method 'public void reInitSecurityTokenService()' has been added
com.webmethods.rtl.event.DeliveryService	Method 'public java.lang.String addClusterIdPrefix(java.lang.String)' has been added
com.webmethods.rtl.event.DeliveryService	Method 'public void setClusterId(java.lang.String)' has been added
com.webmethods.rtl.event.DeliveryService	Method 'public void startRemoteDelivery()' has been added
com.webmethods.rtl.event.DeliveryService	Method 'public void stopRemoteDelivery()' has been added
com.webmethods.rtl.event.Event	Method 'public java.lang.String getJcrSessionUserData()' has been added
com.webmethods.rtl.event.IEvent	Method 'public java.lang.String getJcrSessionUserData()' has been added to an interface
com.webmethods.rtl.jms.PortalClientOverJMS	Class com.webmethods.rtl.jms.PortalClientOverJMS added
com.webmethods.rtl.logging.EnhancedPatternLayout	Class
com.webmethods.rtl.logging.EnhancedPatternLayout	added
com.webmethods.rtl.msg.jms.IJMSPProvider	Method 'public java.lang.String getEndpointAddress()' has been added to an interface
com.webmethods.rtl.msg.jms.IJMSPProvider	Method 'public boolean isConnected()' has been added to

Added API	Description
an interface	
com.webmethods.rtl.msg.jms.JMSProvider:	Added protected field m_endpointAddress
com.webmethods.rtl.msg.jms.JMSProvider:	Added protected field m_isConnected
com.webmethods.rtl.msg.jms.JMSProvider:	Method 'public java.lang.String getEndpointAddress()' has been added
com.webmethods.rtl.msg.jms.JMSProvider:	Method 'public boolean isConnected()' has been added
com.webmethods.rtl.msg.jms.JMSProvider:	Abstract method 'protected void stopConnections()' has been added
com.webmethods.rtl.msg.jms.JMSStdConnProvider:	Method 'protected void stopConnections()' has been added
com.webmethods.rtl.script.JspC:	Method 'public java.lang.String getExcludes()' has been added
com.webmethods.rtl.script.JspC:	Method 'public void setExcludes(java.lang.String)' has been added
com.webmethods.rtl.util.xml.XMLUtil:	Method 'protected org.w3c.dom.Document _loadDocumentUncaught(org.xml.sax.InputSource)' has been added
com.webmethods.rtl.util.xml.XMLUtil:	Method 'public org.w3c.dom.Document loadDocumentFromInputStreamUncaught(java.io.InputStream)' has been added
com.webmethods.rtl.util.xml.XMLUtil:	Method 'public org.w3c.dom.Document loadDocumentFromReaderUncaught(java.io.Reader)' has been added
com.webmethods.rtl.util.xml.XMLUtil:	Method 'public org.w3c.dom.Document loadDocumentFromXMLUncaught(java.lang.String)' has been added
com.webmethods.rtl.util.xml.XMLUtil:	Method 'public org.w3c.dom.Document loadDocumentUncaught(java.lang.String)' has been added

Removed API	Replacement, if any
com.webmethods.caf.jcr.rmi.IRMITunnelHttpPortAware:	Class
com.webmethods.caf.jcr.rmi.IRMITunnelHttpPortAware:	removed
com.webmethods.caf.jcr.rmi.JcrRMIHttpToCGISocketFactory:	Class
com.webmethods.caf.jcr.rmi.JcrRMIHttpToCGISocketFactory:	removed
com.webmethods.caf.jcr.rmi.JcrRMIMasterSocketFactory:	Class
com.webmethods.caf.jcr.rmi.JcrRMIMasterSocketFactory:	removed
com.webmethods.jackrabbit.server.io.DefaultHandler:	Class
com.webmethods.jackrabbit.server.io.DefaultHandler:	removed
com.webmethods.jackrabbit.servlet.JCRWebdavServerServlet:	Class
com.webmethods.jackrabbit.servlet.JCRWebdavServerServlet:	removed

**Removed API****Replacement, if any**

com.webmethods.jackrabbit.servlet.SimpleWebdavServlet: Class  
com.webmethods.jackrabbit.servlet.SimpleWebdavServlet removed

com.webmethods.portal.jms.um.UmJMSClient: Field DEFAULT\_UM\_REALM has been removed, but it was previously a constant

com.webmethods.portal.jms.um.UmJMSClient: Method 'public void init()' has been removed

com.webmethods.portal.schema.bcgadget.GadgetDefinition: Removed field gadgetExternalScripts

com.webmethods.portal.schema.bcgadget.GadgetDefinition: Method 'public  
com.webmethods.portal.schema.bcgadget.GadgetDefinition\$GadgetExternalScripts  
getGadgetExternalScripts()' has been removed

com.webmethods.portal.schema.bcgadget.GadgetDefinition: Method 'public void  
setGadgetExternalScripts(com.webmethods.portal.schema.bcgadget.GadgetDefinition\$GadgetExternal  
Scripts)' has been removed

com.webmethods.portal.schema.bcgadget.GadgetDefinition\$GadgetExternalScripts: Class  
com.webmethods.portal.schema.bcgadget.GadgetDefinition\$GadgetExternalScripts removed

com.webmethods.portal.schema.bcgadget.ObjectFactory: Method 'public  
com.webmethods.portal.schema.bcgadget.GadgetDefinition\$GadgetExternalScripts  
createGadgetDefinitionGadgetExternalScripts()' has been removed

com.webmethods.portal.service.access.impl.GadgetsAclManager: Method 'protected java.lang.String  
buildXPathQuery(java.util.Map)' has been removed, but an inherited definition exists.

com.webmethods.portal.service.access.impl.GadgetsAclManager\$GadgetAclResource: Method 'public  
GadgetsAclManager\$GadgetAclResource(javax.jcr.Node, java.lang.String)' has been removed

com.webmethods.rtl.msg.jms.JMSProvider: Method 'public void enableMessageDelivery()' has been  
removed

com.webmethods.rtl.msg.jms.JMSProvider: Method 'public boolean hasInitialized()' has been removed

com.webmethods.rtl.msg.jms.JMSProvider: Method 'protected void  
setInstance(com.webmethods.rtl.msg.jms.JMSProvider)' has been removed

com.webmethods.rtl.msg.jms.JMSProvider: Method 'protected void startConnections()' has been  
removed

com.webmethods.rtl.msg.jms.JMSStdConnProvider: Method 'protected void startConnections()' has  
been removed

**Changed API****Description**

com.webmethods.caf.common.bnd.PortletXmlAnalyzer: Parameter 1 of 'public boolean  
analyzeJar(aQute.lib.osgi.Analyzer)' has changed its type to aQute.bnd.osgi.Analyzer

**Changed API****Description**

com.webmethods.caf.common.bnd.WebXmlAnalyzer: Parameter 1 of 'public boolean analyzeJar(aQute.lib.osgi.Analyzer)' has changed its type to aQute.bnd.osgi.Analyzer

com.webmethods.caf.wsserver.auth.saml.SamlUtils: Parameter 2 of 'public void displayAssertion(java.io.PrintWriter, org.opensaml.SAMLAssertion)' has changed its type to org.opensaml.saml1.core.Assertion

com.webmethods.caf.wsserver.auth.saml.SamlUtils: Parameter 1 of 'public java.lang.String getLoginName(org.opensaml.SAMLAssertion)' has changed its type to org.opensaml.saml1.core.Assertion

com.webmethods.caf.wsserver.auth.saml.SamlUtils: Return type of method 'public org.opensaml.SAMLAssertion getSamlAssertion(java.lang.String, java.lang.String)' has been changed to org.opensaml.saml1.core.Assertion

com.webmethods.caf.wsserver.auth.saml.SamlUtils: Parameter 1 of 'public org.opensaml.SAMLAssertion getSamlAssertion(org.opensaml.SAMLResponse)' has changed its type to org.opensaml.saml1.core.Response

com.webmethods.caf.wsserver.auth.saml.SamlUtils: Return type of method 'public org.opensaml.SAMLAssertion getSamlAssertion(org.opensaml.SAMLResponse)' has been changed to org.opensaml.saml1.core.Assertion

com.webmethods.caf.wsserver.auth.saml.SamlUtils: Return type of method 'public org.opensaml.SAMLResponse getSamlResponse(java.lang.String, java.lang.String)' has been changed to org.opensaml.saml1.core.Response

com.webmethods.caf.wsserver.auth.saml.SamlUtils: Parameter 1 of 'public java.lang.String verifyAssertion(org.opensaml.SAMLAssertion)' has changed its type to org.opensaml.saml1.core.Assertion

com.webmethods.portal.jms.um.UmJMSClient: Accessibility of method 'public UmJMSClient()' has been decreased from public to protected

com.webmethods.portal.jms.um.UmJMSClient: Accessibility of method 'public void closeUMSession(com.pcbSYS.nirvana.client.nSession)' has been decreased from public to private

com.webmethods.portal.jms.um.UmJMSClient: Accessibility of method 'public void createConnectionFactory(java.lang.String)' has been decreased from public to protected

com.webmethods.portal.jms.um.UmJMSClient: Return type of method 'public javax.naming.Context createJNDIContext()' has been changed to void

com.webmethods.portal.jms.um.UmJMSClient: Accessibility of method 'public javax.naming.Context createJNDIContext()' has been decreased from public to private

com.webmethods.portal.jms.um.UmJMSClient: Accessibility of method 'public void createQueue(java.lang.String, boolean, int)' has been decreased from public to protected

com.webmethods.portal.jms.um.UmJMSClient: Accessibility of method 'public void



**Changed API****Description**

`createQueueConnectionFactory(java.lang.String)` has been decreased from public to protected

`com.webmethods.portal.jms.um.UmJMSClient`: Accessibility of method 'public void `createStringVal(java.lang.String, java.lang.String)`' has been decreased from public to package

`com.webmethods.portal.jms.um.UmJMSClient`: Accessibility of method 'public void `createTopic(java.lang.String, boolean, int)`' has been decreased from public to protected

`com.webmethods.portal.jms.um.UmJMSClient`: Accessibility of method 'public void `createTopicConnectionFactory(java.lang.String)`' has been decreased from public to protected

`com.webmethods.portal.jms.um.UmJMSClient`: Accessibility of method 'public void `createXAConnectionFactory(java.lang.String)`' has been decreased from public to protected

`com.webmethods.portal.jms.um.UmJMSClient`: Accessibility of method 'public void `deleteConnectionFactory(java.lang.String)`' has been decreased from public to protected

`com.webmethods.portal.jms.um.UmJMSClient`: Accessibility of method 'public void `deleteQueue(java.lang.String)`' has been decreased from public to protected

`com.webmethods.portal.jms.um.UmJMSClient`: Accessibility of method 'public void `deleteQueueConnectionFactory(java.lang.String)`' has been decreased from public to protected

`com.webmethods.portal.jms.um.UmJMSClient`: Accessibility of method 'public void `deleteTopic(java.lang.String)`' has been decreased from public to protected

`com.webmethods.portal.jms.um.UmJMSClient`: Accessibility of method 'public void `deleteTopicConnectionFactory(java.lang.String)`' has been decreased from public to protected

`com.webmethods.portal.jms.um.UmJMSClient`: Accessibility of method 'public `javax.naming.Context` `getJNDIContext()`' has been decreased from public to protected

`com.webmethods.portal.jms.um.UmJMSClient`: Accessibility of method 'public `com.pcbsys.nirvana.client.nSession` `getUMSession()`' has been decreased from public to private

`com.webmethods.portal.service.bcgadget.IBCGadgetProvider`: Return type of method 'public `java.util.List` `getAccessibleGadgets(com.webmethods.portal.service.meta2.thing.IThingID)`' has been changed to `java.util.Map`

`com.webmethods.portal.service.bcgadget.impl.BCGadgetProvider`: Return type of method 'public `java.util.List` `getAccessibleGadgets(com.webmethods.portal.service.meta2.thing.IThingID)`' has been changed to `java.util.Map`

`com.webmethods.portal.service.task.impl.TaskLockingService`: Accessibility of field `TASK_LOCK_MAX_TIME` has been increased from private to public

`com.webmethods.portal.service.task.impl.TaskLockingService`: Accessibility of field `TASK_LOCK_MAX_WAIT_TIME` has been increased from private to public

`com.webmethods.portal.service.task.impl.TaskLockingService`: In method 'protected `com.webmethods.portal.service.task.ITaskLock` `createDbLock(com.webmethods.portal.service.sql.ISqlWorker,`

**Changed API****Description**

com.webmethods.portal.service.meta2.thing.IThingID, java.util.Date, java.util.Date)' the number of arguments has changed

com.webmethods.portal.system.PortalSystem: Accessibility of method 'private void initGuestUser()' has been increased from private to public

com.webmethods.rtl.msg.jms.JMSProvider: Accessibility of method 'public void onShutdown()' has been decreased from public to protected

com.webmethods.rtl.msg.jms.JMSProvider: Accessibility of method 'private void setMaintenanceMode(boolean)' has been increased from private to protected

com.webmethods.rtl.msg.jms.JMSStdConnProvider: Accessibility of method 'public JMSStdConnProvider()' has been decreased from public to protected

com.webmethods.portal.service.version.impl.dcv.DCVersionService: Value of compile-time constant VERSION\_SERVICES\_ROOT has been changed

## Release 9.10

### Added API/ Description

com.webmethods.portal.bizPolicy.biz.access.IAccessPolicy: Method 'public

com.webmethods.portal.service.view.IListView

listSecurityRealmObjects(com.webmethods.portal.bizPolicy.IContext,

com.webmethods.portal.service.meta2.thing.IThingID)' has been added to an interface

com.webmethods.portal.mech.subscription.ISubscribableMechanics: Method 'public void

checkViewSubscription(com.webmethods.portal.system.IURI,

com.webmethods.portal.service.meta2.thing.IThingID, java.util.Map,

com.webmethods.portal.service.meta2.thing.IThingID)' has been added to an interface

com.webmethods.portal.bizPolicy.biz.IBizPolicyResolver: Method 'public

com.webmethods.portal.bizPolicy.biz.IBizPolicy getBizPolicyByType(java.lang.String, java.util.Map)'

has been added to an interface

com.webmethods.caf.wsclient.saml.IArtifactFactory: Method 'public java.lang.String

getAssertion(java.lang.String, java.lang.String[], java.util.Map)' has been added to an interface

com.webmethods.caf.wsclient.saml.IArtifactFactory: Method 'public java.lang.String

getAssertion(java.lang.String, java.lang.String[], java.util.Map, java.util.Map)' has been added to an

interface

com.webmethods.caf.wsclient.session.IWSClientSession: Method 'public java.util.Map

getSessionCookieMap()' has been added to an interface

com.webmethods.caf.wsclient.session.IWSClientSession: Method 'public void

setSessionCookieMap(java.util.Map)' has been added to an interface

com.webmethods.caf.wsclient.session.IWSClientSessionManager: Method 'public

com.webmethods.caf.wsclient.session.IWSClientSessionPool

getSessionPool(com.webmethods.caf.wsclient.proxy.IWSClientProxy, java.lang.String)' has been added

to an interface

com.webmethods.caf.faces.data.task.ITaskInfo: Method 'public java.util.Date getTaskScheduleDate()'

has been added to an interface

com.webmethods.caf.faces.data.task.ITaskInfo: Method 'public void setCreatedDate(java.util.Date)' has

been added to an interface

com.webmethods.caf.faces.data.task.ITaskInfo: Method 'public void

setTaskScheduleDate(java.util.Date)' has been added to an interface

com.webmethods.portal.service.task.ITask: Method 'public java.util.Date getTaskScheduleDate()' has

been added to an interface

### Changed API/ Description

com.webmethods.portal.event.system.ICriterionEvent\$IListener: Parameter 1 of 'public void onEvent(com.webmethods.portal.event.system.ISubscriptionEvent)' has changed its type to com.webmethods.portal.event.system.ICriterionEvent

com.webmethods.portal.event.system.ICriterionEvent\$ISynchronousListener: Parameter 1 of 'public void onSynchronousEvent(com.webmethods.portal.event.system.ISubscriptionEvent)' has changed its type to com.webmethods.portal.event.system.ICriterionEvent

com.webmethods.portal.service.access.impl.MwsObjectAclManager: In method 'protected int countAceProperties(java.util.List)' the number of arguments has changed

com.webmethods.caf.wsclient.session.impl.WSClientSessionManager: Parameter 2 of 'protected java.lang.String getSessionPoolID(com.webmethods.caf.wsclient.proxy.IWSClientProxy, com.webmethods.caf.wsclient.AuthCredentials)' has changed its type to java.lang.String

### Removed API/ Description

com.webmethods.portal.mech.system.ISystemMechanics: Removed

com.webmethods.portal.mech.access.IAccessMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.ISystemMechanics: Removed

com.webmethods.portal.mech.clipboard.IClipboardMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.ISystemMechanics: Removed

com.webmethods.portal.mech.storage.IBasicMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.ISystemMechanics: Removed

com.webmethods.portal.mech.subscription.ISubscribableMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.ISystemMechanics: Removed

com.webmethods.portal.mech.view.IViewableMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.access.IAccessMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.clipboard.IClipboardMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.storage.IBasicMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.subscription.ISubscribableMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.view.IViewableMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.clipboard.impl.ClipboardMechanics from the list of superclasses

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed  
com.webmethods.portal.mech.storage.impl.BasicMechanics from the list of superclasses

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed  
com.webmethods.portal.mech.subscription.impl.SubscribableMechanics from the list of superclasses

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed  
com.webmethods.portal.mech.view.impl.ViewableMechanics from the list of superclasses

com.webmethods.portal.webapp.jetty7.WebApplicationInstallService: Removed field  
COMPONENT\_DELETE\_RETRIES

com.webmethods.portal.service.global.impl.LanguagePackManager: Field QUERY\_STRING has been  
removed, but it was previously a constant

com.webmethods.caf.faces.convert.FormattedDateTimeConverter: Method 'protected  
java.text.DateFormat setupGMTDateTimeFormatter(javax.faces.context.FacesContext)' has been  
removed

com.webmethods.portal.mech.socialbpm.comments.ICommentsMechanics: Method 'public  
java.util.List getTaskCommentsByProcessModelId(java.lang.String, int, int, int)' has been added to an  
interface

com.webmethods.portal.service.socialbpm.comments.ICommentsService: Method 'public java.util.List  
getPaginatedTaskCommentsByProcessModelId(java.lang.String, int, int, int)' has been added to an  
interface

com.webmethods.portal.service.dir.IRoleSystem: Method 'public void  
clearCache(com.webmethods.portal.service.dir.IDirPrincipal)' has been added to an interface

com.webmethods.portal.mech.dir.IPrincipalMechanics: Method 'public void  
fireRoleMembershipEvent(com.webmethods.portal.service.meta2.thing.IThingID,  
com.webmethods.portal.system.IURI, com.webmethods.portal.service.dir.IDirPrincipalList,  
com.webmethods.portal.service.dir.IDirPrincipalList, int)' has been added to an interface

move the com.webmethods.jms.\*\* packages from caf-server bundle to a unique package name

com.webmethods.jms.JMSPhaseProvider: Class com.webmethods.jms.JMSPhaseProvider removed

com.webmethods.jms.db.DbJMSClient: Class com.webmethods.jms.db.DbJMSClient removed

com.webmethods.jms.db.DbJMSConnProvider: Class com.webmethods.jms.db.DbJMSConnProvider  
removed

com.webmethods.jms.db.impl.JMSConnection: Class com.webmethods.jms.db.impl.JMSConnection  
removed

com.webmethods.jms.db.impl.JMSConnection\$CompressedObject: Class  
com.webmethods.jms.db.impl.JMSConnection\$CompressedObject removed

com.webmethods.jms.db.impl.JMSDestination: Class com.webmethods.jms.db.impl.JMSDestination  
removed

com.webmethods.jms.db.impl.JMSDispatcherThread: Class  
com.webmethods.jms.db.impl.JMSDispatcherThread removed

com.webmethods.jms.db.impl.JMSEvent: Class com.webmethods.jms.db.impl.JMSEvent removed

com.webmethods.jms.db.impl.JMSMessage: Class com.webmethods.jms.db.impl.JMSMessage removed

com.webmethods.jms.db.impl.JMSMessageConsumer: Class  
com.webmethods.jms.db.impl.JMSMessageConsumer removed

com.webmethods.jms.db.impl.JMSMessageProducer: Class  
com.webmethods.jms.db.impl.JMSMessageProducer removed

com.webmethods.jms.db.impl.JMSObjectMessage: Class  
com.webmethods.jms.db.impl.JMSObjectMessage removed

com.webmethods.jms.db.impl.JMSPollThread: Class com.webmethods.jms.db.impl.JMSPollThread removed

com.webmethods.jms.db.impl.JMSQueue: Class com.webmethods.jms.db.impl.JMSQueue removed

com.webmethods.jms.db.impl.JMSQueuePollThread: Class  
com.webmethods.jms.db.impl.JMSQueuePollThread removed

com.webmethods.jms.db.impl.JMSQueueReceiver: Class  
com.webmethods.jms.db.impl.JMSQueueReceiver removed

com.webmethods.jms.db.impl.JMSQueueSender: Class  
com.webmethods.jms.db.impl.JMSQueueSender removed

com.webmethods.jms.db.impl.JMSQueueSession: Class  
com.webmethods.jms.db.impl.JMSQueueSession removed

com.webmethods.jms.db.impl.JMSSession: Class com.webmethods.jms.db.impl.JMSSession removed

com.webmethods.jms.db.impl.JMSTopic: Class com.webmethods.jms.db.impl.JMSTopic removed

com.webmethods.jms.db.impl.JMSTopicBatchMessage: Class  
com.webmethods.jms.db.impl.JMSTopicBatchMessage removed

com.webmethods.jms.db.impl.JMSTopicPublisher: Class  
com.webmethods.jms.db.impl.JMSTopicPublisher removed

com.webmethods.jms.db.impl.JMSTopicSession: Class com.webmethods.jms.db.impl.JMSTopicSession removed

com.webmethods.jms.db.impl.JMSTopicSubscriber: Class  
com.webmethods.jms.db.impl.JMSTopicSubscriber removed

com.webmethods.jms.db.impl.QueueFactory: Class com.webmethods.jms.db.impl.QueueFactory removed

com.webmethods.jms.db.impl.TopicFactory: Class com.webmethods.jms.db.impl.TopicFactory removed

com.webmethods.jms.db.impl.db2.EventDelivered: Class  
com.webmethods.jms.db.impl.db2.EventDelivered removed

com.webmethods.jms.db.impl.db2.EventPoll: Class com.webmethods.jms.db.impl.db2.EventPoll  
removed

com.webmethods.jms.db.impl.db2.EventSave: Class com.webmethods.jms.db.impl.db2.EventSave  
removed

com.webmethods.jms.db.impl.db2.GetSqlTime: Class com.webmethods.jms.db.impl.db2.GetSqlTime  
removed

com.webmethods.jms.db.impl.db2.PublishQueue: Class  
com.webmethods.jms.db.impl.db2.PublishQueue removed

com.webmethods.jms.db.impl.db2.PurgeEvents: Class com.webmethods.jms.db.impl.db2.PurgeEvents  
removed

com.webmethods.jms.db.impl.db2.PurgeInactiveSubscriptions: Class  
com.webmethods.jms.db.impl.db2.PurgeInactiveSubscriptions removed

com.webmethods.jms.db.impl.db2.RegisterDestination: Class  
com.webmethods.jms.db.impl.db2.RegisterDestination removed

com.webmethods.jms.db.impl.db2.RegisterSubscription: Class  
com.webmethods.jms.db.impl.db2.RegisterSubscription removed

com.webmethods.jms.db.impl.db2.UnregisterSubscription: Class  
com.webmethods.jms.db.impl.db2.UnregisterSubscription removed

com.webmethods.jms.db.impl.db2.UpdateSubscriptions: Class  
com.webmethods.jms.db.impl.db2.UpdateSubscriptions removed

com.webmethods.jms.db.impl.mssql.EventDelivered: Class  
com.webmethods.jms.db.impl.mssql.EventDelivered removed

com.webmethods.jms.db.impl.mssql.EventPoll: Class com.webmethods.jms.db.impl.mssql.EventPoll  
removed

com.webmethods.jms.db.impl.mssql.EventSave: Class com.webmethods.jms.db.impl.mssql.EventSave  
removed

com.webmethods.jms.db.impl.mssql.GetSqlTime: Class  
com.webmethods.jms.db.impl.mssql.GetSqlTime removed

com.webmethods.jms.db.impl.mssql.PublishQueue: Class  
com.webmethods.jms.db.impl.mssql.PublishQueue removed

com.webmethods.jms.db.impl.mssql.PurgeEvents: Class  
com.webmethods.jms.db.impl.mssql.PurgeEvents removed

com.webmethods.jms.db.impl.mssql.PurgeInactiveSubscriptions: Class  
com.webmethods.jms.db.impl.mssql.PurgeInactiveSubscriptions removed

com.webmethods.jms.db.impl.mssql.RegisterDestination: Class  
com.webmethods.jms.db.impl.mssql.RegisterDestination removed

com.webmethods.jms.db.impl.mssql.RegisterSubscription: Class  
com.webmethods.jms.db.impl.mssql.RegisterSubscription removed

com.webmethods.jms.db.impl.mssql.UnregisterSubscription: Class  
com.webmethods.jms.db.impl.mssql.UnregisterSubscription removed

com.webmethods.jms.db.impl.mssql.UpdateSubscriptions: Class  
com.webmethods.jms.db.impl.mssql.UpdateSubscriptions removed

com.webmethods.jms.db.impl.mysql.EventDelivered: Class  
com.webmethods.jms.db.impl.mysql.EventDelivered removed

com.webmethods.jms.db.impl.mysql.EventPoll: Class com.webmethods.jms.db.impl.mysql.EventPoll  
removed

com.webmethods.jms.db.impl.mysql.EventSave: Class com.webmethods.jms.db.impl.mysql.EventSave  
removed

com.webmethods.jms.db.impl.mysql.GetSqlTime: Class  
com.webmethods.jms.db.impl.mysql.GetSqlTime removed

com.webmethods.jms.db.impl.mysql.PublishQueue: Class  
com.webmethods.jms.db.impl.mysql.PublishQueue removed

com.webmethods.jms.db.impl.mysql.PurgeEvents: Class  
com.webmethods.jms.db.impl.mysql.PurgeEvents removed

com.webmethods.jms.db.impl.mysql.PurgeInactiveSubscriptions: Class  
com.webmethods.jms.db.impl.mysql.PurgeInactiveSubscriptions removed

com.webmethods.jms.db.impl.mysql.RegisterDestination: Class  
com.webmethods.jms.db.impl.mysql.RegisterDestination removed

com.webmethods.jms.db.impl.mysql.RegisterSubscription: Class  
com.webmethods.jms.db.impl.mysql.RegisterSubscription removed

com.webmethods.jms.db.impl.mysql.UnregisterSubscription: Class  
com.webmethods.jms.db.impl.mysql.UnregisterSubscription removed

com.webmethods.jms.db.impl.mysql.UpdateSubscriptions: Class  
com.webmethods.jms.db.impl.mysql.UpdateSubscriptions removed

com.webmethods.jms.db.impl.oracle.EventDelivered: Class  
com.webmethods.jms.db.impl.oracle.EventDelivered removed

com.webmethods.jms.db.impl.oracle.EventPoll: Class com.webmethods.jms.db.impl.oracle.EventPoll  
removed

com.webmethods.jms.db.impl.oracle.EventSave: Class com.webmethods.jms.db.impl.oracle.EventSave  
removed



com.webmethods.jms.db.impl.oracle.GetSqlTime: Class  
com.webmethods.jms.db.impl.oracle.GetSqlTime removed

com.webmethods.jms.db.impl.oracle.PublishQueue: Class  
com.webmethods.jms.db.impl.oracle.PublishQueue removed

com.webmethods.jms.db.impl.oracle.PurgeEvents: Class  
com.webmethods.jms.db.impl.oracle.PurgeEvents removed

com.webmethods.jms.db.impl.oracle.PurgeInactiveSubscriptions: Class  
com.webmethods.jms.db.impl.oracle.PurgeInactiveSubscriptions removed

com.webmethods.jms.db.impl.oracle.RegisterDestination: Class  
com.webmethods.jms.db.impl.oracle.RegisterDestination removed

com.webmethods.jms.db.impl.oracle.RegisterSubscription: Class  
com.webmethods.jms.db.impl.oracle.RegisterSubscription removed

com.webmethods.jms.db.impl.oracle.UnregisterSubscription: Class  
com.webmethods.jms.db.impl.oracle.UnregisterSubscription removed

com.webmethods.jms.db.impl.oracle.UpdateSubscriptions: Class  
com.webmethods.jms.db.impl.oracle.UpdateSubscriptions removed

com.webmethods.jms.db.impl.sybase.EventPoll: Class com.webmethods.jms.db.impl.sybase.EventPoll removed

com.webmethods.jms.db.impl.sybase.PublishQueue: Class  
com.webmethods.jms.db.impl.sybase.PublishQueue removed

com.webmethods.jms.db.impl.sybase.PurgeEvents: Class  
com.webmethods.jms.db.impl.sybase.PurgeEvents removed

com.webmethods.jms.um.UmJMSClient: Class com.webmethods.jms.um.UmJMSClient removed

com.webmethods.jms.um.UmJMSConnProvider: Class  
com.webmethods.jms.um.UmJMSConnProvider removed

electric.util.holder.ArrayOfbyteInOut: Class electric.util.holder.ArrayOfbyteInOut removed

electric.util.holder.ArrayOfbyteOut: Class electric.util.holder.ArrayOfbyteOut removed

com.webmethods.portal.bizPolicy.command.system.xml.XMLImport: Field  
OVERWRITE\_PERMISSIONS\_KEY has been removed, but it was previously a constant

com.webmethods.portal.service.dir.IDirService: Method 'public boolean supportsNestedGroups()' has been added to an interface

com.webmethods.caf.faces.application.CAFStateManager: Class  
com.webmethods.caf.faces.application.CAFStateManager removed

com.webmethods.caf.faces.application.CAFStateManager\$TreeStructure: Class  
com.webmethods.caf.faces.application.CAFStateManager\$TreeStructure removed

com.webmethods.caf.faces.portlet.PortletViewFragmentPhaseListener: Class  
com.webmethods.caf.faces.portlet.PortletViewFragmentPhaseListener removed

com.webmethods.caf.faces.portlet.PortletViewFragmentPhaseListenerWrapper: Class  
com.webmethods.caf.faces.portlet.PortletViewFragmentPhaseListenerWrapper removed

com.webmethods.caf.faces.portlet.PortletViewHandler: Method 'protected void  
initResponse(javax.faces.context.FacesContext, javax.faces.component.UIViewRoot)' has been removed

com.webmethods.caf.faces.portlet.PortletViewHandler: Method 'protected void  
renderResponse(javax.faces.context.FacesContext, javax.faces.component.UIViewRoot)' has been  
removed

com.webmethods.caf.faces.render.html.command.CommandFormRenderer: In method 'protected  
java.lang.String getTagName()' the number of arguments has changed

com.webmethods.caf.faces.render.html.command.DisjointFormRenderer: In method 'protected  
java.lang.String getTagName()' the number of arguments has changed

com.webmethods.caf.faces.view.BaseViewHandler: Field STATE\_KEY has been removed, but it was  
previously a constant

com.webmethods.caf.faces.view.BaseViewHandler: Method 'protected void  
initResponse(javax.faces.context.FacesContext, javax.faces.component.UIViewRoot)' has been removed

com.webmethods.caf.faces.view.BaseViewHandler: Method 'protected void  
renderResponse(javax.faces.context.FacesContext, javax.faces.component.UIViewRoot)' has been  
removed

com.webmethods.caf.faces.view.CafViewDeclarationLanguage: Field INJECT\_STATE has been  
removed, but it was previously a constant

com.webmethods.caf.faces.view.CafViewDeclarationLanguage: Field NO\_RENDER has been removed,  
but it was previously a constant

com.webmethods.caf.faces.view.CafViewDeclarationLanguage: Field STATE\_KEY has been removed,  
but it was previously a constant

com.webmethods.caf.faces.view.CafViewDeclarationLanguage: Field VIEW\_FRAGMENT has been  
removed, but it was previously a constant

com.webmethods.caf.faces.view.CafViewDeclarationLanguage: Field VIEW\_FRAGMENT\_CLIENT\_ID  
has been removed, but it was previously a constant

com.webmethods.caf.faces.view.CafViewDeclarationLanguage: Return type of method 'protected void  
initResponse(javax.faces.context.FacesContext, javax.faces.component.UIViewRoot)' has been changed  
to javax.faces.context.ResponseWriter

com.webmethods.caf.faces.view.CafViewDeclarationLanguage: Method 'protected void  
renderResponse(javax.faces.context.FacesContext, javax.faces.component.UIViewRoot)' has been  
removed

com.webmethods.caf.faces.view.ViewFragmentPhaseListener: Class  
com.webmethods.caf.faces.view.ViewFragmentPhaseListener removed

## **Release 9.9**

### **Added API/ Description**

com.webmethods.caf.faces.data.task.ITaskInfo: Method 'public java.lang.Integer getIsMandatory()' has been added to an interface

com.webmethods.caf.faces.data.task.ITaskInfo: Method 'public void setIsMandatory(java.lang.Integer)' has been added to an interface

com.webmethods.caf.wsclient.saml.IArtifactFactory: Method 'public java.lang.String validateSAMLResponse(javax.servlet.http.HttpServletRequest, java.lang.String)' has been added to an interface

com.webmethods.portal.bizPolicy.biz.access.IAccessPolicy: Method 'public  
com.webmethods.portal.service.view.IListView  
listSecurityRealmObjects(com.webmethods.portal.bizPolicy.IContext,  
com.webmethods.portal.service.meta2.thing.IThingID)' has been added to an interface

com.webmethods.portal.mech.socialbpm.comments.ICommentsMechanics: Method 'public  
java.util.List getAllTaskAttachments(java.lang.String, int, int)' has been added to an interface

com.webmethods.portal.mech.socialbpm.comments.ICommentsMechanics: Method 'public  
java.lang.Integer getAllTaskAttachmentsCount(java.lang.String)' has been added to an interface

com.webmethods.portal.mech.socialbpm.comments.ICommentsMechanics: Method 'public  
java.util.List getTaskComments(java.lang.String, int, int)' has been added to an interface

com.webmethods.portal.mech.socialbpm.comments.ICommentsMechanics: Method 'public  
java.lang.Integer getTaskCommentsCount(int)' has been added to an interface

com.webmethods.portal.mech.socialbpm.comments.ICommentsMechanics: Method 'public  
java.lang.Integer getTaskCommentsCount(java.lang.String)' has been added to an interface

com.webmethods.portal.mech.subscription.ISubscribableMechanics: Method 'public void  
checkViewSubscription(com.webmethods.portal.system.IURI,  
com.webmethods.portal.service.meta2.thing.IThingID, java.util.Map,  
com.webmethods.portal.service.meta2.thing.IThingID)' has been added to an interface

com.webmethods.portal.service.socialbpm.comments.ICommentsService: Method 'public java.util.List  
getAllTaskAttachments(java.lang.String, int, int)' has been added to an interface

com.webmethods.portal.service.socialbpm.comments.ICommentsService: Method 'public  
java.lang.Integer getAllTaskAttachmentsCount(java.lang.String)' has been added to an interface

com.webmethods.portal.service.socialbpm.comments.ICommentsService: Method 'public java.util.List  
getTaskComments(java.lang.String, int, int)' has been added to an interface

com.webmethods.portal.service.socialbpm.comments.ICommentsService: Method 'public

### Added API/ Description

java.lang.Integer getTaskCommentsCount(int)' has been added to an interface

com.webmethods.portal.service.socialbpm.comments.ICommentsService: Method 'public java.lang.Integer getTaskCommentsCount(java.lang.String)' has been added to an interface

com.webmethods.portal.service.task.ITask: Method 'public java.lang.Integer getIsMandatory()' has been added to an interface

com.webmethods.portal.service.task.ITaskDefinition: Method 'public java.lang.String getTaskDescription()' has been added to an interface

### Removed API/ Description

com.webmethods.caf.faces.component.gmap.GMarkerGroup: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.gmap.GMarkerList: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.logic.AsyncIterator: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.logic.Import: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.logic.ImportTemplate: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.logic.Iterator: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.nav.Breadcrumbs: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.nav.FirstLevelList: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.nav.NavList: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.nav.PopupMenus: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.nav.SecondLevelList: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.nav.StaticMenus\$SubList: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.nav.StaticMenus\$SubSubList: Removed javax.faces.event.SystemEventListener from the set of implemented interfaces

## Removed API/ Description

com.webmethods.caf.faces.component.nav.ThirdLevelList: Removed  
javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.table.html.AsyncList: Removed  
javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.table.html.AsyncListbox: Removed  
javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.table.html.AsyncTabsList: Removed  
javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.table.html.DataList: Removed  
javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.table.html.ListBox: Removed  
javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.caf.faces.component.table.html.TabsList: Removed  
javax.faces.event.SystemEventListener from the set of implemented interfaces

com.webmethods.portal.mech.system.ISystemMechanics: Removed  
com.webmethods.portal.mech.access.IAccessMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.ISystemMechanics: Removed  
com.webmethods.portal.mech.clipboard.IClipboardMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.ISystemMechanics: Removed  
com.webmethods.portal.mech.storage.IBasicMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.ISystemMechanics: Removed  
com.webmethods.portal.mech.subscription.ISubscribableMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.ISystemMechanics: Removed  
com.webmethods.portal.mech.view.IViewableMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed  
com.webmethods.portal.mech.access.IAccessMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed  
com.webmethods.portal.mech.clipboard.IClipboardMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed  
com.webmethods.portal.mech.storage.IBasicMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed  
com.webmethods.portal.mech.subscription.ISubscribableMechanics from the set of implemented interfaces

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

## Removed API/ Description

com.webmethods.portal.mech.view.IViewableMechanics from the set of implemented interfaces

com.webmethods.rtl.script.JspC: Removed java.lang.Cloneable from the set of implemented interfaces

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.clipboard.impl.ClipboardMechanics from the list of superclasses

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.storage.impl.BasicMechanics from the list of superclasses

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.subscription.impl.SubscribableMechanics from the list of superclasses

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.view.impl.ViewableMechanics from the list of superclasses

com.webmethods.rtl.script.JspC: Removed org.apache.tools.ant.ProjectComponent from the list of superclasses

com.webmethods.rtl.script.JspC: Removed org.apache.tools.ant.Task from the list of superclasses

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.clipboard.impl.ClipboardMechanics from the list of superclasses

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.storage.impl.BasicMechanics from the list of superclasses

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.subscription.impl.SubscribableMechanics from the list of superclasses

com.webmethods.portal.mech.system.impl.SystemMechanics: Removed

com.webmethods.portal.mech.view.impl.ViewableMechanics from the list of superclasses

com.webmethods.rtl.script.JspC: Removed org.apache.tools.ant.ProjectComponent from the list of superclasses

com.webmethods.rtl.script.JspC: Removed org.apache.tools.ant.Task from the list of superclasses

com.webmethods.caf.faces.component.logic.Import: Method 'public boolean isListenerForSource(java.lang.Object)' has been removed

com.webmethods.caf.faces.component.logic.Import: Method 'public void processEvent(javax.faces.event.SystemEvent)' has been removed

com.webmethods.caf.faces.component.logic.ImportTemplate: Method 'public boolean isListenerForSource(java.lang.Object)' has been removed

com.webmethods.caf.faces.component.logic.ImportTemplate: Method 'public void processEvent(javax.faces.event.SystemEvent)' has been removed

com.webmethods.caf.faces.component.nav.PopupMenus: Method 'protected javax.faces.component.UIColumn getColumn()' has been removed

com.webmethods.caf.faces.component.table.html.DataList: Method 'public boolean

## Removed API/ Description

`isListenerForSource(java.lang.Object)` has been removed

`com.webmethods.caf.faces.component.table.html.DataList`: Method `'public void processEvent(javax.faces.event.SystemEvent)'` has been removed

`com.webmethods.caf.faces.component.tree.DataTree`: Method `'protected void autogenerate()'` has been removed

`com.webmethods.portal.service.install.impl.BaseInstallService`: Method `'protected com.webmethods.portal.service.install.IInstallServiceConfig getConfig()'` has been removed

`com.webmethods.portal.service.sql.runtime.base.TaskSearchAll`: Method `'protected void parseSearchQuery(int, java.util.Map, com.webmethods.caf.faces.data.task.impl.TaskSearchQuery, com.webmethods.portal.service.sql.runtime.base.TaskSearchAll$QueryInfo)'` has been removed

`com.webmethods.portal.service.sql.runtime.base.TaskSearchAll`: Method `'protected void parseSearchQueryTerm(int, java.util.Map, com.webmethods.caf.faces.data.task.impl.TaskSearchQueryTerm, com.webmethods.portal.service.sql.runtime.base.TaskSearchAll$QueryInfo)'` has been removed

`com.webmethods.portal.service.sql.runtime.base.TaskSearchFromInboxesPaged`: Method `'protected void parseSearchQueryTerm(int, java.util.Map, com.webmethods.caf.faces.data.task.impl.TaskSearchQueryTerm, com.webmethods.portal.service.sql.runtime.base.TaskSearchAll$QueryInfo)'` has been removed

`com.webmethods.rtl.script.JspC`: Method `'public void init()'` has been removed

`com.softwareag.caf.controls.mwsx.PeoplePickerDialog$FacetsMap`: Class  
`com.softwareag.caf.controls.mwsx.PeoplePickerDialog$FacetsMap` removed

`com.softwareag.caf.controls.mwsx.PeopleSwapBox$FacetsMap`: Class  
`com.softwareag.caf.controls.mwsx.PeopleSwapBox$FacetsMap` removed

`com.webmethods.caf.faces.component.nav.StaticMenus$ChildrenList`: Class  
`com.webmethods.caf.faces.component.nav.StaticMenus$ChildrenList` removed

`com.webmethods.caf.faces.component.nav.StaticMenus$FacetsMap`: Class  
`com.webmethods.caf.faces.component.nav.StaticMenus$FacetsMap` removed

`com.webmethods.caf.faces.component.nav.ToggleMenus$ChildrenList`: Class  
`com.webmethods.caf.faces.component.nav.ToggleMenus$ChildrenList` removed

`com.webmethods.caf.faces.component.nav.ToggleMenus$FacetsMap`: Class  
`com.webmethods.caf.faces.component.nav.ToggleMenus$FacetsMap` removed

`com.webmethods.caf.faces.component.search.SearchBar$FacetsMap`: Class  
`com.webmethods.caf.faces.component.search.SearchBar$FacetsMap` removed

`com.webmethods.caf.faces.component.table.SelectRowCheckbox$ChildrenList`: Class  
`com.webmethods.caf.faces.component.table.SelectRowCheckbox$ChildrenList` removed

`com.webmethods.caf.faces.component.table.SelectRowCheckbox$FacetsMap`: Class

## Removed API/ Description

com.webmethods.caf.faces.component.table.SelectRowCheckbox\$FacetsMap removed

com.webmethods.caf.faces.component.table.html.HtmlTableColumn\$FacetsMap: Class  
com.webmethods.caf.faces.component.table.html.HtmlTableColumn\$FacetsMap removed

com.webmethods.caf.faces.component.table.specialized.Newsfeed\$ChildrenList: Class  
com.webmethods.caf.faces.component.table.specialized.Newsfeed\$ChildrenList removed

com.webmethods.caf.faces.component.table.specialized.Newsfeed\$FacetsMap: Class  
com.webmethods.caf.faces.component.table.specialized.Newsfeed\$FacetsMap removed

com.webmethods.caf.faces.component.util.BaseChildrenList: Class  
com.webmethods.caf.faces.component.util.BaseChildrenList removed

com.webmethods.caf.faces.component.util.BaseFacetsAndChildrenIterator: Class  
com.webmethods.caf.faces.component.util.BaseFacetsAndChildrenIterator removed

com.webmethods.caf.faces.component.util.BaseFacetsMap: Class  
com.webmethods.caf.faces.component.util.BaseFacetsMap removed

com.webmethods.caf.faces.component.util.BaseFacetsMap\$BaseCollection: Class  
com.webmethods.caf.faces.component.util.BaseFacetsMap\$BaseCollection removed

com.webmethods.caf.faces.component.util.BaseFacetsMap\$BaseCollection\$BaseIterator: Class  
com.webmethods.caf.faces.component.util.BaseFacetsMap\$BaseCollection\$BaseIterator removed

com.webmethods.caf.faces.component.util.BaseFacetsMap\$Entries: Class  
com.webmethods.caf.faces.component.util.BaseFacetsMap\$Entries removed

com.webmethods.caf.faces.component.util.BaseFacetsMap\$Entries\$EntrySetIterator: Class  
com.webmethods.caf.faces.component.util.BaseFacetsMap\$Entries\$EntrySetIterator removed

com.webmethods.caf.faces.component.util.BaseFacetsMap\$Keys: Class  
com.webmethods.caf.faces.component.util.BaseFacetsMap\$Keys removed

com.webmethods.caf.faces.component.util.BaseFacetsMap\$Keys\$KeySetIterator: Class  
com.webmethods.caf.faces.component.util.BaseFacetsMap\$Keys\$KeySetIterator removed

com.webmethods.caf.faces.component.util.BaseFacetsMap\$Values: Class  
com.webmethods.caf.faces.component.util.BaseFacetsMap\$Values removed

com.webmethods.caf.faces.component.util.BaseFacetsMap\$Values\$ValuesIterator: Class  
com.webmethods.caf.faces.component.util.BaseFacetsMap\$Values\$ValuesIterator removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.AntBaseFileListTask: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.AntBaseFileListTask removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.AntBaseTask: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.AntBaseTask removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.portlet.GenerateOSGiManifest: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.portlet.GenerateOSGiManifest removed



## Removed API/ Description

com.webmethods.portal.bizPolicy.command.install.taskdefs.portlet.GetPortletInfo: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.portlet.GetPortletInfo removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.portlet.PostRegisterPortlet: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.portlet.PostRegisterPortlet removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.portlet.PreRegisterPortlet: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.portlet.PreRegisterPortlet removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.portlet.PreUnregisterPortlet: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.portlet.PreUnregisterPortlet removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.skin.CreateSkinInstance: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.skin.CreateSkinInstance removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.skin.CreateThemeInstance: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.skin.CreateThemeInstance removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.skin.GetSkinInfo: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.skin.GetSkinInfo removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.skin.RemoveSkinInstance: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.skin.RemoveSkinInstance removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.skin.RemoveThemeInstance: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.skin.RemoveThemeInstance removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.CreateDBOTables: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.system.CreateDBOTables removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.DropDBOTables: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.system.DropDBOTables removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.ExecuteCommand: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.system.ExecuteCommand removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.ExecuteTargetLoop: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.system.ExecuteTargetLoop removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.GetComponentInfo: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.system.GetComponentInfo removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.GetIsOSGiRuntime: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.system.GetIsOSGiRuntime removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.GetSystemPath: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.system.GetSystemPath removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.GetComponentInfo: Class  
com.webmethods.portal.bizPolicy.command.install.taskdefs.system.GetComponentInfo removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.GetIsOSGiRuntime: Class

## Removed API/ Description

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.GetIsOSGiRuntime removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.GetSystemPath: Class

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.GetSystemPath removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.InstallComponent: Class

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.InstallComponent removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.LoadClasses: Class

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.LoadClasses removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.LoadConfig: Class

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.LoadConfig removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.LookupComponent: Class

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.LookupComponent removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.RegisterComponent: Class

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.RegisterComponent removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.RunSQLScript: Class

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.RunSQLScript removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.UninstallComponent: Class

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.UninstallComponent removed

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.UnregisterComponent: Class

com.webmethods.portal.bizPolicy.command.install.taskdefs.system.UnregisterComponent removed

com.webmethods.portal.mech.install.impl.NativeInstallMechanics: Class

com.webmethods.portal.mech.install.impl.NativeInstallMechanics removed

com.webmethods.portal.service.install.IInstallServiceConfig: Class

com.webmethods.portal.service.install.IInstallServiceConfig removed

com.webmethods.portal.service.install.impl.InstallServiceConfig: Class

com.webmethods.portal.service.install.impl.InstallServiceConfig removed

com.webmethods.portal.service.install.impl.ant.AntInstallService: Class

com.webmethods.portal.service.install.impl.ant.AntInstallService removed

com.webmethods.portal.service.install.impl.ant.AntLogSupport: Class

com.webmethods.portal.service.install.impl.ant.AntLogSupport removed

com.webmethods.portal.service.install.impl.ant.AntRunner: Class

com.webmethods.portal.service.install.impl.ant.AntRunner removed

com.webmethods.portal.service.install.impl.ant.AntRunner\$AntPropertyHelper: Class

com.webmethods.portal.service.install.impl.ant.AntRunner\$AntPropertyHelper removed

com.webmethods.portal.service.install.impl.ant.LpInstallService: Class

com.webmethods.portal.service.install.impl.ant.LpInstallService removed

## Removed API/ Description

com.webmethods.portal.service.install.impl.ant.WarLpInstallService: Class  
com.webmethods.portal.service.install.impl.ant.WarLpInstallService removed

com.webmethods.rtl.logging.Mws13818Filter: Class com.webmethods.rtl.logging.Mws13818Filter removed

com.webmethods.rtl.util.msg.IRuntimeMessage: Class com.webmethods.rtl.util.msg.IRuntimeMessage removed

com.webmethods.rtl.util.msg.IRuntimeMessageCallback: Class  
com.webmethods.rtl.util.msg.IRuntimeMessageCallback removed

com.webmethods.rtl.util.msg.IRuntimeMessageHook: Class  
com.webmethods.rtl.util.msg.IRuntimeMessageHook removed

com.webmethods.rtl.util.msg.RuntimeMessageUtil: Class  
com.webmethods.rtl.util.msg.RuntimeMessageUtil removed

com.webmethods.rtl.util.msg.RuntimeMessageUtil\$RuntimeListeners: Class  
com.webmethods.rtl.util.msg.RuntimeMessageUtil\$RuntimeListeners removed

com.webmethods.rtl.util.msg.RuntimeMessageUtil\$RuntimeMessageListener: Class  
com.webmethods.rtl.util.msg.RuntimeMessageUtil\$RuntimeMessageListener removed

com.webmethods.rtl.util.obj.CyclicIterator: Class com.webmethods.rtl.util.obj.CyclicIterator removed

com.webmethods.rtl.util.obj.EmptyEnumeration: Class  
com.webmethods.rtl.util.obj.EmptyEnumeration removed

com.webmethods.rtl.util.obj.EmptyIterator: Class com.webmethods.rtl.util.obj.EmptyIterator removed

com.webmethods.rtl.util.obj.FileClassLoader: Class com.webmethods.rtl.util.obj.FileClassLoader removed

com.webmethods.rtl.util.obj.IntMinMaxInfo: Class com.webmethods.rtl.util.obj.IntMinMaxInfo removed

com.webmethods.rtl.util.obj.IntStringMap: Class com.webmethods.rtl.util.obj.IntStringMap removed

com.webmethods.rtl.util.obj.IteratorTools: Class com.webmethods.rtl.util.obj.IteratorTools removed

com.webmethods.rtl.util.obj.PersistentMap: Class com.webmethods.rtl.util.obj.PersistentMap removed

com.webmethods.rtl.util.obj.PropertyGroup: Class com.webmethods.rtl.util.obj.PropertyGroup removed

com.webmethods.rtl.util.obj.PropertyGroups: Class com.webmethods.rtl.util.obj.PropertyGroups removed

com.webmethods.rtl.util.obj.SortableArray: Class com.webmethods.rtl.util.obj.SortableArray removed

com.webmethods.rtl.util.thread.ReadWriteMutex: Class  
com.webmethods.rtl.util.thread.ReadWriteMutex removed

## Removed API/ Description

com.softwareag.caf.controls.mwsx.PeoplePickerDialog: Removed field m\_facets

com.softwareag.caf.controls.mwsx.PeopleSwapBox: Removed field m\_facets

com.webmethods.caf.faces.component.behavior.BaseBehavior: Removed field m\_for

com.webmethods.caf.faces.component.behavior.CustomDragBehavior: Removed field m\_allowDrag

com.webmethods.caf.faces.component.behavior.CustomDragBehavior: Removed field m\_cursor

com.webmethods.caf.faces.component.behavior.CustomDragBehavior: Removed field m\_move

com.webmethods.caf.faces.component.behavior.CustomDragBehavior: Removed field m\_propagateEvent

com.webmethods.caf.faces.component.behavior.CustomDropBehavior: Removed field m\_allowDrop

com.webmethods.caf.faces.component.behavior.CustomDropBehavior: Removed field m\_handleDrop

com.webmethods.caf.faces.component.behavior.CustomDropBehavior: Removed field m\_hoverClass

com.webmethods.caf.faces.component.behavior.CustomDropBehavior: Removed field m\_onDropSetValue

com.webmethods.caf.faces.component.behavior.DragToMoveRowsBehavior: Removed field m\_add

com.webmethods.caf.faces.component.behavior.DragToMoveRowsBehavior: Removed field m\_allowDrag

com.webmethods.caf.faces.component.behavior.DragToMoveRowsBehavior: Removed field m\_allowDrop

com.webmethods.caf.faces.component.behavior.DragToMoveRowsBehavior: Removed field m\_copy

com.webmethods.caf.faces.component.behavior.DragToMoveRowsBehavior: Removed field m\_handleDrop

com.webmethods.caf.faces.component.behavior.DragToMoveRowsBehavior: Removed field m\_hoverClass

com.webmethods.caf.faces.component.behavior.DragToMoveRowsBehavior: Removed field m\_remove

com.webmethods.caf.faces.component.behavior.DragToMoveRowsBehavior: Removed field m\_reorder

com.webmethods.caf.faces.component.behavior.DragToReorderColumnsBehavior: Removed field m\_storePreferences

com.webmethods.caf.faces.component.behavior.DragToResizeBehavior: Removed field m\_resizeBottom

com.webmethods.caf.faces.component.behavior.DragToResizeBehavior: Removed field m\_resizeLeft

com.webmethods.caf.faces.component.behavior.DragToResizeBehavior: Removed field m\_resizeRight

## Removed API/ Description

com.webmethods.caf.faces.component.behavior.DragToResizeBehavior: Removed field m\_resizeTop

com.webmethods.caf.faces.component.behavior.DragToResizeColumnsBehavior: Removed field m\_storePreferences

com.webmethods.caf.faces.component.behavior.RaiseOnChangeBehavior: Removed field m\_command

com.webmethods.caf.faces.component.behavior.SynchronizeValuesBehavior: Removed field m\_with

com.webmethods.caf.faces.component.command.html.AsyncCommandButton: Removed field m\_refresh

com.webmethods.caf.faces.component.command.html.AsyncCommandIcon: Removed field m\_refresh

com.webmethods.caf.faces.component.command.html.AsyncCommandInterval: Removed field m\_interval

com.webmethods.caf.faces.component.command.html.AsyncCommandInterval: Removed field m\_waitUntilReloaded

com.webmethods.caf.faces.component.command.html.AsyncCommandLink: Removed field m\_refresh

com.webmethods.caf.faces.component.command.html.AsyncHiddenCommand: Removed field m\_refresh

com.webmethods.caf.faces.component.command.html.CommandForm: Removed field m\_forms

com.webmethods.caf.faces.component.command.html.CommandIcon: Removed field m\_alt

com.webmethods.caf.faces.component.command.html.CommandIcon: Removed field m\_url

com.webmethods.caf.faces.component.command.html.CommandIcon: Removed field m\_urlMouseDown

com.webmethods.caf.faces.component.command.html.CommandIcon: Removed field m\_urlMouseover

com.webmethods.caf.faces.component.events.OpenAjaxScript: Removed field openAjaxTopic

com.webmethods.caf.faces.component.events.OpenAjaxScript: Removed field shouldSubscribe

com.webmethods.caf.faces.component.export.AtomFeedIcon: Removed field m\_converter

com.webmethods.caf.faces.component.export.AtomFeedIcon: Removed field m\_entriesProvider

com.webmethods.caf.faces.component.export.AtomFeedIcon: Removed field m\_exportCharacterEncoding

com.webmethods.caf.faces.component.export.AtomFeedIcon: Removed field m\_exportFileName

com.webmethods.caf.faces.component.export.AtomFeedIcon: Removed field m\_exportForceDownload

com.webmethods.caf.faces.component.export.AtomFeedIcon: Removed field m\_feedProvider

com.webmethods.caf.faces.component.export.AtomFeedIcon: Removed field m\_feedUrl

## Removed API/ Description

com.webmethods.caf.faces.component.export.AtomFeedIcon: Removed field m\_for

com.webmethods.caf.faces.component.gmap.GMap: Removed field m\_height

com.webmethods.caf.faces.component.gmap.GMap: Removed field m\_initialAddress

com.webmethods.caf.faces.component.gmap.GMap: Removed field m\_initialCountry

com.webmethods.caf.faces.component.gmap.GMap: Removed field m\_key

com.webmethods.caf.faces.component.gmap.GMap: Removed field m\_latitude

com.webmethods.caf.faces.component.gmap.GMap: Removed field m\_longitude

com.webmethods.caf.faces.component.gmap.GMap: Removed field m\_type

com.webmethods.caf.faces.component.gmap.GMap: Removed field m\_width

com.webmethods.caf.faces.component.gmap.GMap: Removed field m\_zoom

com.webmethods.caf.faces.component.gmap.GMapControl: Removed field m\_anchor

com.webmethods.caf.faces.component.gmap.GMapControl: Removed field m\_offsetX

com.webmethods.caf.faces.component.gmap.GMapControl: Removed field m\_offsetY

com.webmethods.caf.faces.component.gmap.GMapControl: Removed field m\_type

com.webmethods.caf.faces.component.gmap.GMapGetCoordsScript: Removed field m\_latitude

com.webmethods.caf.faces.component.gmap.GMapGetCoordsScript: Removed field m\_longitude

com.webmethods.caf.faces.component.gmap.GMapKey: Removed field m\_key

com.webmethods.caf.faces.component.gmap.GMarker: Removed field m\_clickable

com.webmethods.caf.faces.component.gmap.GMarker: Removed field m\_draggable

com.webmethods.caf.faces.component.gmap.GMarker: Removed field m\_icon

com.webmethods.caf.faces.component.gmap.GMarker: Removed field m\_iconSizeHeight

com.webmethods.caf.faces.component.gmap.GMarker: Removed field m\_iconSizeWidth

com.webmethods.caf.faces.component.gmap.GMarker: Removed field m\_initialAddress

com.webmethods.caf.faces.component.gmap.GMarker: Removed field m\_initialCountry

com.webmethods.caf.faces.component.gmap.GMarker: Removed field m\_latitude

com.webmethods.caf.faces.component.gmap.GMarker: Removed field m\_longitude

com.webmethods.caf.faces.component.gmap.GMarker: Removed field m\_selected

com.webmethods.caf.faces.component.gmap.GMarker: Removed field m\_title

com.webmethods.caf.faces.component.gmap.GMarkerGroup: Removed field m\_groupProvider

## Removed API/ Description

com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_clickable  
com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_draggable  
com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_icon  
com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_iconSizeHeight  
com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_iconSizeWidth  
com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_initialAddress  
com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_initialCountry  
com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_latitude  
com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_longitude  
com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_multiple  
com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_title  
com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_multiple  
com.webmethods.caf.faces.component.gmap.GMarkerList: Removed field m\_title  
com.webmethods.caf.faces.component.input.DateInput: Removed field m\_pattern  
com.webmethods.caf.faces.component.input.DateInput: Removed field m\_showMonthAndYearMenus  
com.webmethods.caf.faces.component.input.DateInput: Removed field m\_showSeconds  
com.webmethods.caf.faces.component.input.DateInput: Removed field m\_showTime  
com.webmethods.caf.faces.component.input.DateInput: Removed field m\_showTimezone  
com.webmethods.caf.faces.component.input.DateInput: Removed field m\_timezone  
com.webmethods.caf.faces.component.input.DateInput: Removed field m\_valuePattern  
com.webmethods.caf.faces.component.input.DateInput: Removed field m\_yearMenuRange  
com.webmethods.caf.faces.component.input.DateRangeInput: Removed field m\_futureRanges  
com.webmethods.caf.faces.component.input.DateRangeInput: Removed field m\_label  
com.webmethods.caf.faces.component.input.DateRangeInput: Removed field m\_layout  
com.webmethods.caf.faces.component.input.DateRangeInput: Removed field m\_pastRanges  
com.webmethods.caf.faces.component.logic.If: Removed field m\_value  
com.webmethods.caf.faces.component.logic.Import: Removed field m\_value  
com.webmethods.caf.faces.component.logic.ImportTemplate: Removed field m\_value  
com.webmethods.caf.faces.component.logic.LoadResourceBundle: Removed field m\_basename

## Removed API/ Description

com.webmethods.caf.faces.component.logic.LoadResourceBundle: Removed field m\_var  
com.webmethods.caf.faces.component.logic.VariableContainer: Removed field m\_value  
com.webmethods.caf.faces.component.logic.VariableContainer: Removed field m\_var  
com.webmethods.caf.faces.component.message.FormattedMessage: Removed field m\_showDetail  
com.webmethods.caf.faces.component.message.FormattedMessages: Removed field m\_showDetail  
com.webmethods.caf.faces.component.message.SpecificFormattedMessages: Removed field m\_for  
com.webmethods.caf.faces.component.message.SpecificMessages: Removed field m\_for  
com.webmethods.caf.faces.component.mws\_ui.MwsResourceInclude: Removed field renderer  
com.webmethods.caf.faces.component.mws\_ui.MwsResourceInclude: Removed field uri  
com.webmethods.caf.faces.component.nav.StaticMenus: Removed field m\_appNavBean  
com.webmethods.caf.faces.component.nav.StaticMenus: Removed field m\_children  
com.webmethods.caf.faces.component.nav.StaticMenus: Removed field m\_facets  
com.webmethods.caf.faces.component.nav.ToggleMenus: Removed field m\_appNavBean  
com.webmethods.caf.faces.component.nav.ToggleMenus: Removed field m\_children  
com.webmethods.caf.faces.component.nav.ToggleMenus: Removed field m\_facets  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_barPadding  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_barWidth  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_color  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_gridColor  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_gridStyle  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_height  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_legendLocation  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_legendStyleClass  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_numberofGridLines  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_padding  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_rowColors  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_series  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_showLegend  
com.webmethods.caf.faces.component.output.Chart: Removed field m\_type



## Removed API/ Description

com.webmethods.caf.faces.component.output.Chart: Removed field m\_width  
com.webmethods.caf.faces.component.output.ChartDataColumn: Removed field m\_color  
com.webmethods.caf.faces.component.output.ChartDataColumn: Removed field m\_toolTip  
com.webmethods.caf.faces.component.output.ChartDataColumn: Removed field m\_value  
com.webmethods.caf.faces.component.output.ChartLabelColumn: Removed field m\_label  
com.webmethods.caf.faces.component.output.Custom: Removed field m\_name  
com.webmethods.caf.faces.component.output.Icon: Removed field m\_converter  
com.webmethods.caf.faces.component.output.Icon: Removed field m\_label  
com.webmethods.caf.faces.component.output.Icon: Removed field m\_url  
com.webmethods.caf.faces.component.output.Icon: Removed field m\_urlMousedown  
com.webmethods.caf.faces.component.output.Icon: Removed field m\_urlMouseover  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_accesskey  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_alt  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_dir  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_disabled  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_image  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_label  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_lang  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_onblur  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_onclick  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_ondblclick  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_onfocus  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_onkeydown  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_onmouseout  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_onmouseover  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_onmouseup  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_readonly  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_style  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_styleClass

## Removed API/ Description

com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_tabindex  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_title  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_type  
com.webmethods.caf.faces.component.output.html.HtmlButton: Removed field m\_width  
com.webmethods.caf.faces.component.output.html.HtmlLink: Removed field m\_label  
com.webmethods.caf.faces.component.output.refresh.RefreshButton: Removed field m\_for  
com.webmethods.caf.faces.component.output.refresh.RefreshIcon: Removed field m\_for  
com.webmethods.caf.faces.component.output.refresh.RefreshInterval: Removed field m\_for  
com.webmethods.caf.faces.component.output.refresh.RefreshInterval: Removed field m\_interval  
com.webmethods.caf.faces.component.output.refresh.RefreshInterval: Removed field m\_waitUntilReloaded  
com.webmethods.caf.faces.component.output.refresh.RefreshLink: Removed field m\_for  
com.webmethods.caf.faces.component.panel.BaseHideablePanel: Removed field m\_disableWhenHidden  
com.webmethods.caf.faces.component.panel.BaseHideablePanel: Removed field m\_lazy  
com.webmethods.caf.faces.component.panel.BaseHideablePanel: Removed field m\_refreshOnShow  
com.webmethods.caf.faces.component.panel.BaseHideablePanel: Removed field m\_suppressInputs  
com.webmethods.caf.faces.component.panel.BaseHideablePanel: Removed field m\_twoPass  
com.webmethods.caf.faces.component.panel.BaseHideablePanel: Removed field m\_visible  
com.webmethods.caf.faces.component.panel.OverlayPanel: Removed field m\_hideEffect  
com.webmethods.caf.faces.component.panel.OverlayPanel: Removed field m\_showEffect  
com.webmethods.caf.faces.component.panel.PopupPanel: Removed field m\_click  
com.webmethods.caf.faces.component.panel.PopupPanel: Removed field m\_close  
com.webmethods.caf.faces.component.panel.PopupPanel: Removed field m\_closeOnClick  
com.webmethods.caf.faces.component.panel.PopupPanel: Removed field m\_forRightClick  
com.webmethods.caf.faces.component.panel.PopupPanel: Removed field m\_hideEffect  
com.webmethods.caf.faces.component.panel.PopupPanel: Removed field m\_hideEffectOptions  
com.webmethods.caf.faces.component.panel.PopupPanel: Removed field m\_hover  
com.webmethods.caf.faces.component.panel.PopupPanel: Removed field m\_position  
com.webmethods.caf.faces.component.panel.PopupPanel: Removed field m\_showEffect

## Removed API/ Description

com.webmethods.caf.faces.component.panel.PopupPanel: Removed field m\_showEffectOptions

com.webmethods.caf.faces.component.panel.PropertyLine: Removed field m\_description

com.webmethods.caf.faces.component.panel.PropertyLine: Removed field m\_label

com.webmethods.caf.faces.component.panel.PropertyLine: Removed field m\_overflow

com.webmethods.caf.faces.component.panel.PropertyLine: Removed field m\_parentId

com.webmethods.caf.faces.component.panel.StackPanel: Removed field m\_value

com.webmethods.caf.faces.component.panel.StaticCell: Removed field m\_align

com.webmethods.caf.faces.component.panel.StaticCell: Removed field m\_height

com.webmethods.caf.faces.component.panel.StaticCell: Removed field m\_width

com.webmethods.caf.faces.component.panel.StaticRow: Removed field m\_height

com.webmethods.caf.faces.component.panel.StaticRow: Removed field m\_width

com.webmethods.caf.faces.component.search.BaseSearchControlHelper: Removed field fQuerySupplied

com.webmethods.caf.faces.component.search.BaseSearchControlHelper: Removed field fQuerySuppliedExpr

com.webmethods.caf.faces.component.search.SearchBar: Removed field m\_facets

com.webmethods.caf.faces.component.select.FilterInput: Removed field m\_labelText

com.webmethods.caf.faces.component.select.FilterInput: Removed field m\_showGoButton

com.webmethods.caf.faces.component.select.SelectMany: Removed field m\_filter

com.webmethods.caf.faces.component.select.SelectMany: Removed field m\_other

com.webmethods.caf.faces.component.select.SelectMany: Removed field m\_sortByLabel

com.webmethods.caf.faces.component.select.SelectOne: Removed field m\_filter

com.webmethods.caf.faces.component.select.SelectOne: Removed field m\_other

com.webmethods.caf.faces.component.select.SelectOne: Removed field m\_sortByLabel

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_accesskey

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_dir

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_disabled

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_lang

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_accesskey

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_dir

## Removed API/ Description

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_disabled

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_lang

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_name

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_onblur

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_onchange

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_onclick

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_ondblclick

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_onfocus

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_onkeydown

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_onkeypress

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_onkeyup

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_onmousedown

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_onmousemove

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_onmouseout

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_onmouseover

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_onmouseup

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_readonly

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_size

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_style

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_styleClass

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_tabindex

com.webmethods.caf.faces.component.select.html.HtmlSelectBoolean: Removed field m\_title

com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_accesskey

com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_border

com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_dir

com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_disabled

com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_disabledClass

com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_enabledClass

## Removed API/ Description

com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_lang  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_layout  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onblur  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onchange  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onclick  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_ondblclick  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onfocus  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onkeydown  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onkeypress  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onkeyup  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onmousedown  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onmousemove  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onmouseout  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onmouseover  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onmouseup  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_onselect  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_readonly  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_size  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_style  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_styleClass  
com.webmethods.caf.faces.component.select.html.HtmlSelectMany: Removed field m\_tabindex  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onblur  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onchange  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onclick  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_ondblclick  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onfocus  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onkeydown  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onkeypress  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onkeyup

## Removed API/ Description

com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onmousedown  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onmousemove  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onmouseout  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onmouseover  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onmouseup  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_onselect  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_readonly  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_size  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_style  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_styleClass  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_tabindex  
com.webmethods.caf.faces.component.select.html.HtmlSelectOne: Removed field m\_title  
com.webmethods.caf.faces.component.table.AddRow: Removed field m\_addLastRowOnly  
com.webmethods.caf.faces.component.table.AddRow: Removed field m\_for  
com.webmethods.caf.faces.component.table.AddRow: Removed field m\_row  
com.webmethods.caf.faces.component.table.AddRowIcon: Removed field m\_title  
com.webmethods.caf.faces.component.table.AddRowIcon: Removed field m\_url  
com.webmethods.caf.faces.component.table.AddRowIcon: Removed field m\_urlMouseDown  
com.webmethods.caf.faces.component.table.AddRowIcon: Removed field m\_urlMouseover  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_align  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_ascending  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_exportable  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_group  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_hidden  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_label  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_nowrap  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_optional  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_ordinal  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_secondary

## Removed API/ Description

com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_secondaryEnd  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_secondaryStart  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_sort  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_valign  
com.webmethods.caf.faces.component.table.BaseExtendedColumn: Removed field m\_width  
com.webmethods.caf.faces.component.table.BaseSelectRow: Removed field m\_accesskey  
com.webmethods.caf.faces.component.table.BaseSelectRow: Removed field m\_disabled  
com.webmethods.caf.faces.component.table.BaseSelectRow: Removed field m\_multiple  
com.webmethods.caf.faces.component.table.BaseSelectRow: Removed field m\_tabindex  
com.webmethods.caf.faces.component.table.DataPager: Removed field m\_for  
com.webmethods.caf.faces.component.table.DataPages: Removed field m\_maxPages  
com.webmethods.caf.faces.component.table.DataPages: Removed field m\_showAlways  
com.webmethods.caf.faces.component.table.MoveRowIcon: Removed field m\_title  
com.webmethods.caf.faces.component.table.MoveRowIcon: Removed field m\_url  
com.webmethods.caf.faces.component.table.MoveRowIcon: Removed field m\_urlMouseDown  
com.webmethods.caf.faces.component.table.MoveRowIcon: Removed field m\_urlMouseover  
com.webmethods.caf.faces.component.table.PrevNext: Removed field m\_expandToEdges  
com.webmethods.caf.faces.component.table.PrevNext: Removed field m\_nextIconUrl  
com.webmethods.caf.faces.component.table.PrevNext: Removed field m\_nextText  
com.webmethods.caf.faces.component.table.PrevNext: Removed field m\_prevIconUrl  
com.webmethods.caf.faces.component.table.PrevNext: Removed field m\_prevText  
com.webmethods.caf.faces.component.table.PrevNext: Removed field m\_showAlways  
com.webmethods.caf.faces.component.table.RemoveRow: Removed field m\_for  
com.webmethods.caf.faces.component.table.RemoveRow: Removed field m\_removeLastRow  
com.webmethods.caf.faces.component.table.RemoveRow: Removed field m\_row  
com.webmethods.caf.faces.component.table.RemoveRowIcon: Removed field m\_title  
com.webmethods.caf.faces.component.table.RemoveRowIcon: Removed field m\_url  
com.webmethods.caf.faces.component.table.RemoveRowIcon: Removed field m\_urlMouseDown  
com.webmethods.caf.faces.component.table.RemoveRowIcon: Removed field m\_urlMouseover

## Removed API/ Description

com.webmethods.caf.faces.component.table.SelectRow: Removed field m\_accesskey  
com.webmethods.caf.faces.component.table.SelectRow: Removed field m\_disabled  
com.webmethods.caf.faces.component.table.SelectRow: Removed field m\_for  
com.webmethods.caf.faces.component.table.SelectRow: Removed field m\_multiple  
com.webmethods.caf.faces.component.table.SelectRow: Removed field m\_tabindex  
com.webmethods.caf.faces.component.table.SelectRowCheckbox: Removed field m\_children  
com.webmethods.caf.faces.component.table.SelectRowCheckbox: Removed field m\_facets  
com.webmethods.caf.faces.component.table.html.AsyncList: Removed field m\_bufferChunk  
com.webmethods.caf.faces.component.table.html.AsyncList: Removed field m\_bufferMax  
com.webmethods.caf.faces.component.table.html.AsyncList: Removed field m\_bufferMin  
com.webmethods.caf.faces.component.table.html.AsyncList: Removed field m\_clientSideCache  
com.webmethods.caf.faces.component.table.html.AsyncList: Removed field m\_flashOnChange  
com.webmethods.caf.faces.component.table.html.AsyncList: Removed field m\_progressDelay  
com.webmethods.caf.faces.component.table.html.AsyncList: Removed field m\_progressMsg  
com.webmethods.caf.faces.component.table.html.AsyncList: Removed field m\_suppressInputs  
com.webmethods.caf.faces.component.table.html.AsyncListbox: Removed field m\_rowClasses  
com.webmethods.caf.faces.component.table.html.AsyncTable: Removed field m\_bufferChunk  
com.webmethods.caf.faces.component.table.html.AsyncTable: Removed field m\_bufferMax  
com.webmethods.caf.faces.component.table.html.AsyncTable: Removed field m\_bufferMin  
com.webmethods.caf.faces.component.table.html.AsyncTable: Removed field m\_clientSideCache  
com.webmethods.caf.faces.component.table.html.AsyncTable: Removed field m\_flashOnChange  
com.webmethods.caf.faces.component.table.html.AsyncTable: Removed field m\_progressDelay  
com.webmethods.caf.faces.component.table.html.AsyncTable: Removed field m\_progressMsg  
com.webmethods.caf.faces.component.table.html.AsyncTable: Removed field m\_suppressInputs  
com.webmethods.caf.faces.component.table.html.CalendarTable: Removed field dayVar  
com.webmethods.caf.faces.component.table.html.CalendarTable: Removed field eventVar  
com.webmethods.caf.faces.component.table.html.CalendarTable: Removed field m\_allDay  
com.webmethods.caf.faces.component.table.html.CalendarTable: Removed field m\_calendarEndDate  
com.webmethods.caf.faces.component.table.html.CalendarTable: Removed field m\_calendarStartDate



## Removed API/ Description

com.webmethods.caf.faces.component.table.html.CalendarTable: Removed field m\_displayUnits

com.webmethods.caf.faces.component.table.html.CalendarTable: Removed field m\_events

com.webmethods.caf.faces.component.table.html.CalendarTable: Removed field m\_eventsSet

com.webmethods.caf.faces.component.table.html.CalendarTable: Removed field m\_initialDate

com.webmethods.caf.faces.component.table.html.DataList: Removed field m\_marker

com.webmethods.caf.faces.component.table.html.DataList: Removed field m\_selected

com.webmethods.caf.faces.component.table.html.DataList: Removed field m\_selectedRowClass

com.webmethods.caf.faces.component.table.html.DataTable: Removed field createdToOriginalRowIds

com.webmethods.caf.faces.component.table.html.DataTable: Removed field filter

com.webmethods.caf.faces.component.table.html.DataTable: Removed field first

com.webmethods.caf.faces.component.table.html.DataTable: Removed field firstSet

com.webmethods.caf.faces.component.table.html.DataTable: Removed field originalToCreatedRowIds

com.webmethods.caf.faces.component.table.html.DataTable: Removed field var

com.webmethods.caf.faces.component.table.html.HtmlTableColumn: Removed field m\_facets

com.webmethods.caf.faces.component.table.html.ListBox: Removed field m\_rowClasses

com.webmethods.caf.faces.component.table.specialized.Newsfeed: Removed field m\_children

com.webmethods.caf.faces.component.table.specialized.Newsfeed: Removed field m\_facets

com.webmethods.caf.faces.component.table.specialized.Newsfeed: Removed field m\_layout

com.webmethods.caf.faces.component.table.specialized.Newsfeed: Removed field m\_size

com.webmethods.caf.faces.component.table.specialized.Newsfeed: Removed field m\_url

com.webmethods.caf.faces.component.toggle.InitiateToggle: Removed field m\_for

com.webmethods.caf.faces.component.toggle.OneWayToggle: Removed field m\_for

com.webmethods.caf.faces.component.toggle.OneWayToggle: Removed field m\_way

com.webmethods.caf.faces.component.toggle.html.HtmlOneWayToggle: Removed field m\_disabled

com.webmethods.caf.faces.component.toggle.html.HtmlOneWayToggle: Removed field m\_disabledClass

com.webmethods.caf.faces.component.toggle.html.HtmlOneWayToggle: Removed field m\_enabledClass

com.webmethods.caf.faces.component.toggle.html.HtmlOneWayToggle: Removed field m\_width

com.webmethods.caf.faces.component.toggle.html.HtmlOneWayToggleCheckbox: Removed field

## Removed API/ Description

m\_checked

com.webmethods.caf.faces.component.toggle.html.HtmlOneWayToggleCheckbox: Removed field m\_checkedWhenVisible

com.webmethods.caf.faces.component.toggle.html.HtmlToggle: Removed field m\_disabled

com.webmethods.caf.faces.component.toggle.html.HtmlToggle: Removed field m\_disabledClass

com.webmethods.caf.faces.component.toggle.html.HtmlToggle: Removed field m\_enabledClass

com.webmethods.caf.faces.component.toggle.html.HtmlToggle: Removed field m\_layout

com.webmethods.caf.faces.component.toggle.html.HtmlToggle: Removed field m\_width

com.webmethods.caf.faces.component.tree.AsyncTree: Removed field m\_initialDepth

com.webmethods.caf.faces.component.tree.AsyncTree: Removed field m\_progressDelay

com.webmethods.caf.faces.component.tree.AsyncTree: Removed field m\_progressFlashOnComplete

com.webmethods.caf.faces.component.tree.AsyncTree: Removed field m\_progressMsg

com.webmethods.caf.faces.component.tree.AsyncTree: Removed field m\_refillDepth

com.webmethods.caf.faces.component.tree.AsyncTree: Removed field m\_refreshOnShow

com.webmethods.caf.faces.component.tree.AsyncTree: Removed field m\_suppressInputs

com.webmethods.caf.faces.component.tree.BaseTreeControl: Removed field m\_collapseAllIcon

com.webmethods.caf.faces.component.tree.BaseTreeControl: Removed field m\_collapseIcon

com.webmethods.caf.faces.component.tree.BaseTreeControl: Removed field m\_expandAllIcon

com.webmethods.caf.faces.component.tree.BaseTreeControl: Removed field m\_expandIcon

com.webmethods.caf.faces.component.tree.BaseTreeControl: Removed field m\_leafIcon

com.webmethods.caf.faces.component.tree.BaseTreeControl: Removed field m\_lineBottomIcon

com.webmethods.caf.faces.component.tree.BaseTreeControl: Removed field m\_lineIcon

com.webmethods.caf.faces.component.tree.BaseTreeControl: Removed field m\_lineNoneIcon

com.webmethods.caf.faces.component.tree.BaseTreeControl: Removed field m\_lineTopIcon

com.webmethods.caf.faces.component.tree.BaseTreeControl: Removed field m\_loadingIcon

com.webmethods.caf.faces.component.tree.BaseTreeControl: Removed field m\_showSortLink

com.webmethods.caf.faces.view.BaseViewHandler: Removed field RE\_FE\_URL

com.webmethods.portal.faces.view.PortalViewHandler: Removed field RE\_FE\_URL

com.webmethods.portal.taglib.PortalIterationTagSupport: Removed field EMPTY\_ITERATOR

## Release 9.8

### Added API

In Java 8, a `sort(Comparator)` method was added to the `java.util.List` interface.

### Description

The `My webMethods Server IListView` interface extends the `java.util.List` interface, and has its own "sort" method with the same name but with a different method signature, which is not an allowed overwrite.

To resolve the issue, the "throws `PortalException`" declaration has been removed from the `IListView#sort(Comparator)` method, so that it is compatible with the method in the `List` interface.

## Release 9.7

### Added API

Added new functions to `tabbar.js` to prevent a tab from being closed or switched.

### Description

The new functions are:

```
setCustomUserTabLeftNavHandlerForCurrentSelectedTab  
setCustomUserTabCloseHandlerForCurrentSelectedTab  
setCustomUserTabSwitchHandlerForCurrentSelectedTab
```

## 10.0 Copyright Information

Copyright © 2017 Software AG, Darmstadt, Germany and/or Software AG USA Inc., Reston, VA, USA, and/or its subsidiaries and/or its affiliates and/or their licensors.

The name Software AG and all Software AG product names are either trademarks or registered trademarks of Software AG and/or Software AG USA Inc. and/or its subsidiaries and/or its affiliates and/or their licensors. Other company and product names mentioned herein may be trademarks of their respective owners.

Detailed information on trademarks and patents owned by Software AG and/or its subsidiaries is located at <http://softwareag.com/licenses>.

This software may include portions of third-party products. For third-party copyright notices, license terms, additional rights or restrictions, please refer to "License Texts, Copyright Notices and Disclaimers of Third Party Products". For certain specific third-party license restrictions, please refer to section E of the Legal Notices available under "License Terms and Conditions for Use of Software AG Products / Copyright and Trademark Notices of Software AG Products". These documents are part of the product documentation, located at <http://softwareag.com/licenses> and/or in the root installation directory of the licensed product(s).

## 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.

MWS-RM-100-20170419