

webMethods Business Rules 10.2 Readme

April 2018

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 webMethods Business Rules 10.2. 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..... | 2 |
| 2.0 | Known Issues..... | 2 |
| 3.0 | Usage Notes..... | 2 |
| 4.0 | Fixes Included in Each Release..... | 3 |
| 5.0 | Other Resolved Issues..... | 5 |
| 6.0 | Documentation Changes | 9 |
| 7.0 | Terminology Changes | 10 |
| 8.0 | Added, Removed, Deprecated, or Changed Items..... | 10 |
| 9.0 | Added, Removed, Deprecated, or Changed Built-In Services..... | 10 |
| 10.0 | Added, Removed, Deprecated, or Changed Parameters..... | 10 |
| 11.0 | Added, Removed, Deprecated, or Changed APIs | 10 |
| 12.0 | Copyright Information..... | 13 |
| 13.0 | Support..... | 13 |

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 critical 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](#).

Rules Management Console

- WOK-12220
Rules Management Console does not start if webMethods Task Engine is not installed.
If webMethods Task Engine is not installed on My webMethods Server, Rules Management Console fails to start with an “ERROR installing: wm_rma.war java.lang.reflect.InvocationTargetException”.
As a workaround, make sure to also install webMethods Task Engine when installing Rules Management Console.
- WOK-12222
The Business Rules Settings page does not work if webMethods Task Engine is not installed.
If webMethods Task Engine is not installed on My webMethods Server, navigating to the Business Rules Settings page on My webMethods Server results in a “javax.portlet.PortletException”.
As a workaround, make sure to install webMethods Task Engine when using the Business Rules Settings page.

3.0 Usage Notes

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

Rules Engine

- It is possible to design rules that evaluate in an infinite loop at runtime. webMethods Rules Engine has no validation logic to identify possible infinite loops at design time. With the help of the Run As... option, the rule designer can execute rules locally in webMethods Rules Engine to test and verify rule behavior. This local rule execution might expose loops at design time.

Rules Development

- It is possible to design rules that evaluate in an infinite loop at runtime. webMethods Rules

Development has no validation logic to identify possible infinite loops at design time. With the help of the Run As... option, the rule designer can execute rules locally in webMethods Rules Development to test and verify rule behavior. This local rule execution might expose loops at design time.

- Manual decision process actions can currently not be created for Dynamic Business Orchestrator processes.

Rules Management Console

- If you upgrade a rule project in Rules Management Console from a version prior to 9.10, you must assign access rights to users who are supposed to see the new navigation tree item Decision Trees.

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.

Rules Engine

Release 10.2

- WOK_10.1_RuleEngine_Fix2

Release 10.0

- WOK_9.12_RuleEngine_Fix3

Release 9.12

- WOK_9.7_RuleEngine_Fix5
- WOK_9.10_RuleEngine_Fix1

Release 9.10

- WOK_9.7_RuleEngine_Fix3

Release 9.9

- WOK_9.8_RuleEngine_Fix1

Release 9.8

- WOK_9.6_RuleEngine_Fix4
- WOK_9.7_RuleEngine_Fix1

Rules Management Console

Release 10.2

- WOK_10.1_RMC_Fix2

Release 10.1

- WOK_10.0_RMC_Fix1

Release 10.0

- WOK_9.12_RMC_Fix3

Release 9.12

- WOK_9.10_RMC_Fix1
- WOK_9.9_RMC_Fix1
- WOK_9.8_RMC_Fix4
- WOK_9.7_RMC_Fix5

Release 9.10

- WOK_9.8_RMC_Fix3
- WOK_9.7_RMC_Fix3

Release 9.9

- WOK_9.8_RMC_Fix2
- WOK_9.7_RMC_Fix2
- WOK_9.6_RMC_Fix6

Release 9.8

- WOK_9.7_RMC_Fix1

- WOK_9.6_RMC_Fix4

Rules Development

Release 10.2

- WOK_10.1_RuleDesigner_Fix2

Release 10.0

- WOK_9.12_RuleDesigner_Fix2

Release 9.12

- WOK_9.10_RuleDesigner_Fix1
- WOK_9.7_RuleDesigner_Fix5

Release 9.9

- WOK_9.8_RuleDesigner_Fix1

Release 9.8

- WOK_9.6_RuleDesigner_Fix4
- WOK_9.7_RuleDesigner_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.

Rules Engine

Release 10.1

- WOK-11680
Create checkpoint fails for a webMethods Deployer deletion set.
Using webMethods Deployer, it is not possible to delete a rule project on Integration Server.
Deployer fails at CreateCheckpoint with a “composite that should be checkpointed [null] is of wrong type: null” error.
This issue has been resolved.

Rules Management Console

Release 10.1

- WOK-11283
Inline editor changes constants, actions, and parameter elements to literal values.
When you select a constant, action, or parameter element of a result node or a condition node and confirm it with the enter key, the value is changed to a literal value and processed accordingly.
This issue has been resolved.
- WOK-11222
Rule project is hot deployed twice when clicking the Close button.
When you hot deploy a rule project and click the Close button of the Hot Deployment Results pop-up window, you may trigger a second hot deployment of this rule project.
This issue has been resolved.

Release 9.10

- WOK-8983
Rule project migration via Public API fails in AIX environment.
On AIX OS, invoking the Rules REST API service
PUT `http://%mws_host%:%port%/wm_rma/rest/raw/project/%ruleProjectName%`
with a rule project created in a version prior to 9.9 results in an HTTP error 400 and a
"RuleProjectTransformationException ...".
This issue has been resolved.

Release 9.9

- WOK-8197
Cancel button does not cancel all changes and may cause an exception on Internet Explorer 11.
On Internet Explorer 11, the Cancel button in the decision entity editor will not cancel all edits if only an operator and no value were selected as cell content. Upon closing and re-opening the decision table, an exception may occur.
This issue has been resolved.
- WOK-8110
Show hidden warnings link causes an exception if no decision entity is selected.
If no decision entity is selected in the Rules Management Console, clicking on the Show hidden warnings link in the Rule Project Verification window causes a NullPointerException.
This issue has been resolved.

Release 9.8

- WOK-7465
Rows added to decision tables are lost when assigning principals.
When assigning principals to two or more condition cells or result cells, the rows added to a decision table are lost.

This issue has been resolved.

Rules Development

Release 10.2

- WOK-11712
After Integration Server migration to 10.1, the configuration for subscribing to rules-related events is missing.
When migrating the WmBusinessRules package on Integration Server from a previous release to 10.1, the “DRulesAuditingOnOff” and “DRulesAuditingEDAOnOff” configurations in the SAG_DIR\profiles\IS_default\configuration\wrapper.conf file are missing.
This issue has been resolved.

Release 10.1

- WOK-11285
ALWAYS is listed as an assignable constant in Software AG Designer.
When using the Condition Value Modification dialog in Software AG Designer, ALWAYS is listed as a selectable option in the Constants tab. If you select this option, it is not evaluated properly at runtime.
This issue has been resolved.

Release 9.9

- WOK-8178
Restore Defaults button on the Rule Verification Preference page produces error.
If the Optimistic radio button on the Rule Verification Preference page is selected, and you click Restore Defaults, both radio buttons (optimistic and pessimistic) are checked.
This issue has been resolved.
- WOK-8031
Content assist error dialog may appear when editing rules.
When editing rules, an Errors During Content Assist dialog may appear.
This issue has been resolved.
- WOK-8112
Misleading message appears when deleting an unused parameter.
A misleading message appears when trying to delete an unused parameter, as unused parameters cannot be successfully deleted.
This issue has been resolved.

Release 9.8

- WOK-7515
When dragging and dropping a decision entity into a rule set, an exception is thrown.

An exception is thrown when dragging and dropping one or more decision entities into a rule set. The action is successful and the items are copied.

This issue has been resolved.

- WOK-7516

Right-clicking a result row in an external event rule causes an exception.

A problem exists when selecting result rows in an external event rule. A “ClassCastException” is reported to the error log, and the ability to cut, copy and paste is disabled. In addition, it is not possible to open the context menu.

This issue has been resolved.

- WOK-7520

Data model generation can fail when model fields contain special characters.

When generating a new data model from document types that contain certain special characters, the generated fields are not complete and are incorrect. This can result in incorrect decision column header names and errors in functions.

This issue has been resolved.

- WOK-7530

An exception occurs before a rule project is upgraded.

When attempting to open a decision table that requires an upgrade to version 9.7, a “NullPointerException” is reported to the error log. The decision table is still opened within an upgrade editor, and it is still possible to upgrade to 9.7.

This issue has been resolved.

- WOK-7533

When exporting or importing a rule project to or from a My webMethods Server repository, a misleading error message is displayed.

When attempting to export or import a rule project to or from a My webMethods Server repository, the error message does not contain sufficient information if the credentials for the My webMethods Server connection are invalid. The error message states: “Can’t connect to server. Check the connection!”

This issue has been resolved.

- WOK-7544

Problems occur when special characters are used in functions.

When the names of parameter elements that are used in functions contain dot, percent, backslash or double quote characters, errors occur when editing the functions.

This issue has been resolved.

6.0 Documentation Changes

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

Rules Management Console

Release 10.1

- New user interface was documented.

Release 10.0

- Additional API REST services were documented in the webMethods Business Rules Reference help.

Release 9.12

- Information about editing decision trees and working with a data provider service was added.
- Additional API REST services were documented in the webMethods Business Rules Reference help.

Release 9.10

- Chapter “Working with Decision Trees” was added.

Release 9.9

- API REST services were documented in the webMethods Business Rules Reference help.

Release 9.8

- Chapter “Working with Functions” was renamed to “Working with Expressions” and modified.
- All function descriptions were removed from the Working with Business Rules in My webMethods guide and assembled in the new webMethods Business Rules Reference help.
- Changes in the user interface were documented.

Rules Development

Release 10.2

- Auditing was documented in the webMethods Business Rules Reference help.

Release 10.1

- Information about working with Predictive Analytics was added.

Release 9.12

- Information about working with a data provider service was added.

Release 9.10

- Chapter “Working with Decision Trees” was added.

Release 9.8

- Chapter “Working with Functions” was renamed to “Working with Expressions” and modified.
- All descriptions of functions, built-in services and rules-related event types were removed from the webMethods BPM Rules Development Help and assembled in the new webMethods Business Rules Reference help.

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.

9.0 Added, Removed, Deprecated, or Changed Built-In Services

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

10.0 Added, Removed, Deprecated, or Changed Parameters

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

11.0 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

GET <base URL>/projects/%ruleProjectName%/decision_tables/%decisionTableName%

Description

Returns the specified decision table.

Deprecated API

GET <base URL>/project/%ruleProjectName%/decisiontable/%decisionTableName%

Replacement

GET <base URL>/projects/%ruleProjectName%/decision_tables/%decisionTableName%

Release 9.12

Added API

PUT <base URL>/projects/%ruleProjectName%/decision_trees/%decisionTreeName%

Description

Updates the specified decision tree in the given rule project with the provided decision tree JSON.

GET <base URL>/projects/%ruleProjectName%/decision_trees/%decisionTreeName%/condition_nodes/%conditionNodeId%

Retrieves a condition node with the specified conditionNodeId in the given decision tree and rule project.

PUT <base URL>/projects/%ruleProjectName%/decision_trees/%decisionTreeName%/condition_nodes/%conditionNodeId%

Updates a condition node with the specified ConditionNode JSON for the conditionNodeId in the given decision tree and rule project.

GET <base URL>/projects/%ruleProjectName%/decision_trees/%decisionTreeName%/lines/%lineId%

Retrieves a condition line with the specified lineId in the given decision tree and rule project.

PUT <base URL>/projects/%ruleProjectName%/decision_trees/%decisionTreeName%/lines/%lineId%

Updates a condition line with the specified Line JSON for the lineId in the given decision tree and rule project.

GET <base URL>/projects/%ruleProjectName%/decision_trees/%decisionTreeName%/result_nodes/%resultNodeId%

Retrieves a result node with the specified resultNodeId in the given decision tree and rule project.

PUT <base URL>/projects/%ruleProjectName%/decision_trees/%decisionTreeName%/result_nodes/%resultNodeId%

Updates a result node with the specified ResultNode JSON for the resultNodeId in the given decision tree and rule project.

GET <base URL>/projects/%ruleProjectName%/decision_trees/%decisionTreeName%/results/%resultId%

Retrieves a result with the specified resultId in the given decision tree and rule project.

PUT <base URL>/projects/%ruleProjectName%/decision_trees/%decisionTreeName%/results/%resultId%

Updates a result with the specified Result JSON for the resultId in the given decision tree and rule project.

| Added API | Description |
|--|--|
| PUT <base URL>/projects/%ruleProjectName%/decision_trees/%decisionTreeName%/lock | Locks a decision tree so that it can be modified exclusively by the user applying the lock. |
| PUT <base URL>/projects/%ruleProjectName%/decision_trees/%decisionTreeName%/unlock | Unlocks a decision tree so that it can be locked by another user for exclusive modification. |

Release 9.10

| Added API | Description |
|---|---|
| GET <base URL>/projects/%ruleProjectName%/decision_trees/%decisionTreeName% | Returns the specified decision tree. |
| PUT <base URL>/project/%ruleProjectName%/unlockall | Unlock all entities of a rule project and the project itself. |

Release 9.9

| Added API | Description |
|--|--|
| GET <base URL>/projects | Returns a list of rule projects that are currently available on My webMethods Server. |
| GET <base URL>/project/%ruleProjectName% | Returns the content and metadata for a given rule project. |
| PUT <base URL>/project/%ruleProjectName%/lock | Locks the given rule project. |
| PUT <base URL>/project/%ruleProjectName%/unlock | Unlocks the given rule project. |
| GET <base URL>/project/%ruleProjectName%/decisiontable/%decisionTableName% | Retrieves the given decision table. |
| PUT <base URL>/project/%ruleProjectName%/decisiontable/%decisionTableName% | Writes the changes for the given decision table to the My webMethods Server. |
| PUT <base URL>/project/%ruleProjectName%/decisiontable /%decisionTableName%/lock | Locks the given decision table. |
| PUT <base URL>/project/%ruleProjectName%/decisiontable /%decisionTableName%/unlock | Unlocks the given decision table. |
| POST <base URL>/project/%ruleProjectName%/deploy | Hot deploys the given rule project to an Integration Server that was configured on the My webMethods Server. |
| GET <base URL>/project/%ruleProjectName% | Retrieves the given rule project from the My webMethods Server. |

| Added API | Description |
|---|---|
| PUT <base URL>/project/%ruleProjectName% | Stores the given rule project on the My webMethods Server. |
| DELETE <base URL>/project/%ruleProjectName% | Deletes the given rule project from the My webMethods Server. |

12.0 Copyright Information

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13.0 Support

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

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

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