

webMethods Service Development 10.1 Readme

October 2017

This file contains important information you must read before using webMethods Service Development 10.1. You can find user documentation on the [Documentation website](#) or the [TECHcommunity website](#). At those locations, you can also find suite-related security and globalization information.

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

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1.0 Critical Information

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

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](#).

- WED-7042
In Designer, refreshing a REST API descriptor created from a Swagger document multiple times with different URLs, fails to display the URL of the latest Swagger document. Instead, Designer uses the URL of the previous Swagger document to refresh the REST API descriptor.
As a workaround, after refreshing the REST API descriptor for the first time, refresh the Package Navigator before attempting the next REST API descriptor refresh.
- WED-7040
If a REST API descriptor created from a Swagger document with a source URL that begins with http:// is refreshed using a Swagger source URL beginning with https://, the refresh fails with following error:
Data must not be null.
There is no workaround for this issue.
- WED-7031
A REST API descriptor containing REST V2 resources is not automatically updated on making changes to the resources or the associated flow services.
Changes made to a REST V2 resource or the services associated with the operations of the resource are not reflected in the REST API descriptor that contains the particular REST V2 resource.
As a workaround, you must manually refresh the REST API descriptor containing REST V2 resources whenever you update the resources or the associated flow services.
- WED-6713
In the IS Asset Compare view, you cannot merge the enabled or disabled property of a flow step or transformer obtained from comparing two Integration Server elements.
There is no workaround for this issue.
- WED-6227
During refactoring, preview of the new and old value is unavailable for webMethods messaging trigger.
There is no workaround for this issue.
- WEL-6
When you use Team Foundation Server (TFS) as your VCS client, TFS issues an IllegalArgumentException exception when sharing the local service development project.
To work around this issue, clear the 'Connect mapped projects to TFS automatically' check box in Window > Preferences > Team > Team Foundation Server before sharing the local service development project.
There is no workaround for this issue.
- SDEF-2245

Undo action fails to reset the dependent properties values in the Adapter Notification editor.
In Adapter Notification editor, if you change a property value such as, a procedure name and undo the change, Designer fails to reset the dependent expression property value.
There is no workaround for this issue.

- SDEF-2132
Logged Fields view fails to reflect the updated signature structure.
If you merge a service signature structure, then the Logged Fields view does not reflect the updated signature structure.
There is 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 10.1

- ESB_9.6_Fix6
- ESB_9.8_Fix6
- ESB_9.9_Fix7
- ESB_9.10_Fix5
- ESB_9.12_Fix6
- ESB_10.0_Fix2

Release 10.0

- ESB_9.5_SP1_Fix9
- ESB_9.7_Fix9
- ESB_9.8_Fix5
- ESB_9.9_Fix5

- ESB_9.10_Fix3
- ESB_9.12_Fix2

Release 9.12

- ESB_9.10_Fix2
- ESB_9.9_Fix3
- ESB_9.8_Fix4
- ESB_9.7_Fix7
- ESB_9.5_SP1_Fix8

Release 9.10

- ESB_9.9_Fix2
- ESB_9.8_Fix2
- ESB_9.7_Fix5
- ESB_9.6_Fix5

Release 9.9

- ESB_9.8_Fix1
- ESB_9.7_Fix4
- ESB_9.5_SP1_Fix7

Release 9.8

- ESB_8.2_SP3_Fix15
- ESB_9.0_SP1_Fix9
- ESB_9.5_SP1_Fix6
- ESB_9.6_Fix4
- ESB_9.7_Fix2

Release 9.7

- ESB_8.2_SP3_Fix14
- ESB_9.0_SP1_Fix6
- ESB_9.5_SP1_Fix5
- ESB_9.6_Fix3

Release 9.6

- ESB_8.2_SP3_Fix12
- ESB_9.0_SP1_Fix5
- ESB_9.5_SP1_Fix4

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 10.1

- WED-6957
Execute an Adapter service with InputFieldType (in the Which tab) 'java.lang.Byte' by providing a value that exceeds the limit, an error message appears informing the same. Later, if you execute the same Adapter service by changing the InputFieldType to 'java.lang.String', the same error message appears preventing the service execution, even if you provide correct values.
This issue is now fixed.
- WED-6846
In a transformer, if the output variables (Pipeline Out to Service Out or the reverse way) are mapped before the input variables (Pipeline In to Service In or the reverse way), the map step containing the transformer saves an incorrect value and hence, the flow service fails with incorrect results.
This issue is now fixed.
- WED-6434
When using Designer to invoke the pub.flow:setResponseCode service, if the responseCode input variable value is set to 204, the Results view displays an exception.
This issue is now fixed.

Release 10.0

- WED-6370
Dropping an input array variable that is part of a ForEach mapping results in an exception.
This issue is now fixed.
- WED-6311
Changes made in Pipeline view do not reflect in the Data Mapper view immediately.
This issue is now fixed.

Release 9.12

- WED-6034
Designer fails to handle the URL redirections while creating Integration Server elements.
In Designer, if the URL has redirection, creation of Integration Server elements, such as web service descriptors, document types, and Integration Server schema from external URL fail.
This issue is now fixed.
- WED-5592
Tooltips remain frozen in Designer.
In Designer, the document or flow editor tooltips remain on the screen even after closing the editor using the keyboard shortcut Ctrl+W.
This issue is now fixed.
- WED-5820
Designer fails to display the details of Forms tab for Custom Remedy Adapter.
Forms tab does not display the details of Custom Remedy Adapter service such as the 'Selected Form' details in Designer.
This issue is now fixed.
- WED-5611
Web service descriptor fails to generate xsd:any element and attributes when the 'Allow unspecified fields' property is set to true.
The WSDL document for a web service descriptor does not include the xsd:any element and attributes when the web service descriptor uses a Document variable for which the 'Allow unspecified fields' property is set to true. This issue occurs even if the server configuration parameter `watt.core.schema.createSchema.omitXSDAny` is set to false.
This issue is now fixed.
- WED-5210
When unresolved package issues are manually resolved in a Java service, Designer does not append the import details correctly to other Java services in the same folder of the package if they are also open in the editor.
While editing Java services, upon doing an Organize Imports operation in a Java service, Designer removes necessary import details of other Java services that are in the same folder in the package if they are currently open in the editor. If the import details that are removed from the other services

are manually resolved, the import details of the first service get corrupted, instead of getting appended to the existing import details.

This issue is now fixed.

- WED-6204

The field name abbreviator, as used for XmlData, truncates the field names that start or end with '#'. When you run a flow service, Designer fails to display the parameter names that start or end with # in the Results window. The Field name abbreviator, as used for XmlData, truncates the field names that start or end with '#'.

This issue is now fixed.

Release 9.10

- WED-5339

After installing a fix or a version of Integration Server that includes PIE-30233, a pipeline link (map or mapping) where the destination is a Document reference variable with an unresolved document type reference, behaves differently at run time.

When executing the pipeline link, at run time, Integration Server ignores the field order defined in the target Document reference variable which results in unpredictable field ordering in IData.

This issue is now fixed.

Note: Integration Server versions 9.7, 9.8, and 9.9.

- WED-5692

There is no keyboard shortcut to drop variables from the pipeline.

This issue is now fixed. Ctrl+Shift+O is the new keyboard shortcut to drop variables from the pipeline.

- WED-5584

While searching for Integration Server elements in all packages, Designer does not work as expected when installed with a non-English language pack.

If you select **All Packages** option while searching for an Integration Server element in Designer (Search -> Integration Server), Designer searches for the element in all the packages before displaying the results. However, if Designer is installed with a language pack other than English, Designer does not search for the element in all packages. As a result, no results are displayed.

This issue is now fixed.

- WED-5397

Performance of Designer slows down when saving a flow service with a large number of service references. While saving a flow service, Designer checks whether the services referenced in the flow service exists. As a result, if there are a large number of service references in the flow service, the performance of Designer slows down.

This issue is now fixed. A new flow service editor preference is introduced. In the Flow Service Editor preferences page, if you do not want Designer to validate the referenced services while saving a flow service, clear the Validate service references while saving check box. Clearing this preference improves the performance of Designer while saving a flow service. By default, this check box is not selected. Select the Validate service references while saving check box if you want

Designer to validate the referenced services while saving a flow service.

- WED-5210

When user selects Organize Imports to fix a JAVA service, it fixes the import statements of that service but the import statements in other JAVA services fails in the same folder.

This issue is now fixed.

- WED-5464

If Centrasite is selected as the source of the WSDL or XML schema definition, Designer does not display the child organizations when creating a web service descriptor or an IS document type.

When creating a consumer or WSDL first provider web service descriptor from a service asset in CentraSite or an IS document type from an XML Schema definition in CentraSite, Designer does not display the assets that belong to the child organizations.

This issue is now fixed. Now, if Centrasite is selected as the source of the WSDL or XML schema definition when creating a web service descriptor or an IS document type, Designer lists the child organizations

- WED-5465

If you set the Pre-8.2 compatibility mode property to true for a web service descriptor using Designer, StackOverflowException occurs.

If the web service descriptor contains a recursive document type reference, using Designer to set the Pre-8.2 compatibility mode property to true results in a StackOverflowException.

This issue is now fixed.

Release 9.6

- WED-4156

When a pipeline variable is defined in a SEQUENCE step within a branch, the variable does not appear in the pipeline for subsequent steps that use that variable.

In the flow implementation for a branch step, a pipeline variable that was defined in a SEQUENCE step was ignored in subsequent child steps within the branch. As a result, the variable did not appear in the pipeline for the subsequent child steps.

This issue is resolved. Defined pipeline variables are now visible in the pipeline for all subsequent steps within the branch in which they were defined.

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

- Service Development Help contains a new topic, *Building Map Services*, which explains what is a map service and how to create a map service.

Release 9.9

- Service Development Help contains a new topic, *Working with XML Document Types*, which explains what XML document types are and how to create XML document types.
- Service Development Help contains a new topic, *Comparing Integration Server Packages and Elements*, which tells you how you can compare packages and elements in Integration Server using the compare tool.
- Service Development Help contains the *Managing Cloud Connector Services* topic, which was earlier available only in the documentation specific to your CloudStreams provider (for example, *webMethods CloudStreams Provider for Salesforce.com Installation and User's Guide*).

Release 9.8

- Service Development Help contains a new topic, *Working with OData Services*, which provides information about how to create and edit OData services.

Release 9.6

- The “*Working with webMethods Messaging Triggers*” section of the Service Development Help has been added as a new chapter to the *Publish-Subscribe Developer's Guide*.
- The “*Working with JMS Triggers*” section of the Service Development Help has been added as a new chapter to *Using webMethods Integration Server to Build a Client for JMS*.
- The “*Working with Web Services*” section of the Service Development Help has been added as a new chapter to the *Web Services Developer's Guide*.

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 10.1

Added Item	Description
Support for REST V2 resources	<p>REST V2 resources provide a flexible way of defining resources for REST requests. In the Service Development perspective, a developer can define a REST V2 resource with operations that include the following:</p> <ul style="list-style-type: none"><li data-bbox="808 940 1458 1052">• The format of the URL that REST clients must follow when sending requests to Integration Server acting as the REST server.<li data-bbox="808 1077 1386 1150">• The HTTP methods supported by the resource operation.<li data-bbox="808 1176 1463 1247">• The flow service associated with a resource operation.
Support for REST API descriptors for REST V2 resources	<p>In addition to creating REST API descriptors from resources that use the rest directive, the Service Development perspective now provides the ability to create REST API descriptors from REST V2 resources.</p>
Support for REST API Descriptor from Swagger Document	<p>The Service Development perspective now provides the ability to create REST API descriptors from external Swagger documents accessible through a URL, a REST resource on API Portal, or a REST resource residing in CentraSite.</p>
Microservices Container running in a Docker container as local service development server.	<p>Designer provides support for the local service development feature to use a Microservices Container running in a Docker container as the local development server.</p>

Removed Item	Replacement, if any
REST Resource Configuration	The REST Resource Configuration page of the Properties dialog box for a selected service option has been removed. An alternate option is provided through the creation of new REST V2 assets.

Release 10.0

Added Item	Description
Case sensitive check box	The Case sensitive check box in the Integration Server Search tab of the Search menu allows you to perform a case-sensitive search for the names of Integration Server elements.
Exact match check box	The Exact match check box in the Integration Server Search tab of the Search menu allows you to search for an Integration Server element with a name that exactly matches the specified search string.
Map service	Designer allows you to create map services that can be reused in different flow services. A map service can be used to map document types of different formats.
PATCH check box	The PATCH check box in the New REST Resource configuration wizard of the Service Development perspective allows you to specify PATCH as a supported method for creating a REST resource.
REST Resource Configuration	The REST Resource Configuration page of the Properties dialog box for a selected service provides you with options to configure, edit, and delete REST resources for the particular service.
Convert to Local Service Development Project	Using the Convert to Local Service Development Project option in the context menu allows you to convert a non-Local Service Development package to a Local Service Development package by adding the VCS and Java project nature to packages that contain the Java and C/C++ services.
ForEach debugging	Designer now allows you to debug a ForEach mapping.

Added Item	Description
Allowed HTTP Methods property	The Allowed HTTP Methods property for a service enables you to select the HTTP methods that you can configure for the particular service. The supported methods are GET, HEAD, PUT, POST, PATCH, DELETE, and OPTIONS.

Removed Item	Replacement, if any
Add VCS project Nature	Convert to Local Service Development Project in the context menu allows you to add the VCS and Java nature to packages while you are working with local service development.

Changed Item	Description
Port alias property	For a binder in a provider web service descriptor, you can now set the Port alias property to the default provider endpoint alias when the binder uses the HTTP or HTTPS protocol.

Release 9.12

Added Item	Description
Comparing and merging JMS triggers, adapter services, and adapter connections	JMS triggers, adapter services, and adapter connections can now be visually compared and differences between versions can be merged. Previously, merging was available only for flow services and IS document types.
Debug to Here	Debug to Here option in the context menu allows you to debug a flow service up to the specified flow step.
Data Mapper	Data Mapper view in Designer allows you to execute, modify, and test a MAP step without saving the flow service.
ForEach mapping	Designer provides ForEach mapping approach in the pipeline view of a MAP step to simplify array mapping and array data processing.

Added Item	Description
Move project to Integration Server package as linked resource	Move project to Integration Server package as linked resource option in the Local Service Development Preferences, allows you to set any repository on your workspace as the local repository directory and a linked directory is created under the Integration Server_directory\instances\default\packages directory.
Digital Event Services (DES)	From Designer, a user can integrate with Digital Event Services using the existing webMethods Messaging infrastructure. Also, Annotations property is now available for publishable document types that use the IS_DES_CONNECTION messaging connection alias.
Search and Refactor	<p>Search functionality now provides the ability to search for a particular variable and identify all references to that variable in other assets, such as flow services, document types, specifications, and triggers.</p> <p>The Refactor option in the context menu allows you to refactor the input/output variables of various Integration Server assets (for example, flow services, Java services, specifications, documents type).</p>
API Portal	The API Portal metadata repository type in the Asset publish wizard helps a user to configure connections to API Portal and publish REST API descriptors.
Changed Item	Description
Processing mode property default	<p>The default processing mode for JMS triggers and webMethods messaging trigger is now changed from Serial to Concurrent.</p> <p>The value for ‘Max execution threads’ is changed from 10 to 1.</p>
Encoding type property default	The default encoding type for publishable document type associated with a Universal Messaging connection alias is now Protocol buffers. Previously, the default encoding type was IData.

Release 9.10

Added Item	Description
REST API Descriptor	A descriptor for a group of REST services on Integration Server.
Merging Integration Server Elements	Merge capability allows you to merge the differences between two elements on the same server or on different servers. Merging is available for flow services and Integration Server document types.
LCVI: Integration Server instance need not be named 'default' to use as LCVI.	Multiple Integration Server local instances can now be made as Local Version Control Integration Server (LCVI).
Validate service references while saving preference	Flow service editor preference for validating all of the referenced services in the flow service upon saving the service.
Rest API Descriptor Preference	Preference for specifying MIME type available for use with REST API descriptors.
OData service creation from external sources	OData service can now be created using an external source type.

Changed Item

REST Resource folder icon

Description

A folder that contains services that function as a REST resource now has a unique icon to differentiate it from a folder that does not contain any services or elements used as a REST resource.

Release 9.9

Added Item	Description
XML document type	An XML document type corresponds to a global element declaration, global attribute declaration, or global complex type definition in an XML schema definition.

Deprecated Item

WmVCS and VCS Integration feature

Replacement, if any

Use the local service development feature (Local Version Control Integration) to check package elements and their supporting files into and out of a version control system (VCS) directly from Designer.

Changed Item

Serial webMethods messaging triggers that receive documents from Universal Messaging now process documents from a publisher publication order.

Description

Previously, a webMethods messaging trigger with serial processing corresponded to a shared named object on a channel on Universal Messaging server. Now, a serial webMethods messaging trigger corresponds to a priority named object. This provides processing in publishing order for a serial trigger in a cluster or a non-clustered group of Integration Server

Release 9.8**Added Item**

OData service wizard and editor

Description

New wizard and editor to create, view, and edit OData services.

Support for VCS operations from the Package Navigator view

VCS operations can now be performed on elements from Package Navigator view for Local Development.

Changed Item

Default value of the Hide generated flow services preference.

Description

The Hide generated flow services check box in the In the Preferences dialog box under Software AG > Service Development > Package Navigator is now cleared by default.

Release 9.7

Added Item	Description
Encoding type property	Publishable document types that use Universal Messaging as the webMethods messaging provider can specify an Encoding type property. The encoding type indicates the format used to encode and decode instances of the publishable document type. You can select IData or protocol buffers as the encoding type. Support for encoding/decoding documents as protocol buffers is new for 9.7. Previously, documents could only be encoded/decoded as serialized IData objects.
Run/Debug preferences	Preferences page to customize the settings while running or debugging a service. Includes the following preferences: <ul style="list-style-type: none">- Always show the No input dialog- Flow Annotation Types

9.0 Copyright Information

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10.0 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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