

webMethods Mediator 9.7 Readme

October 2014

This file contains important information you must read before using webMethods Mediator 9.7. You can find webMethods Mediator 9.7 user documentation on the [Documentation website](#) or the [TECHcommunity website](#). At those locations, you can also find the suite-related information listed below.

webMethods Product Suite Release Notes

webMethods and Intelligent Business Operations System Requirements

webMethods System Cache Specifications

Using the Software AG Installer

Installing webMethods and Intelligent Business Operations Products

Using the Software AG Update Manager (fixes)

Upgrading webMethods and Intelligent Business Operations Products

Security and globalization information

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1.0 Critical Information

This section lists the 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](#).

None.

2.0 Known Issues

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

- SMGME-3146
The HTTP headers in a Mediator request are case sensitive.
RFC2616 protocol requires that all HTTP header fields should not be case sensitive. The HTTP headers in a Mediator request are case sensitive and should be changed as per the RFC2616 protocol.
There is currently no workaround for this issue.

3.0 Usage Notes

This section provides additional information you need to work with the current release of webMethods Mediator.

None.

4.0 Fixes Included in Each Release

This section lists the fixes that have been included in each release. Go to the Knowledge Center on the [Empower website](#) for detailed information about fixes.

Release 9.7

- XB_9.6_Fix1
- XB_9.6_Fix2
- XB_9.6_Fix3

Release 9.6

None.

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.

Release 9.7

None.

Release 9.6

- SMGME-2099
Deploying a virtual service with an invalid password for a valid user can also result in failures of valid service invocations.
This issue occurs with virtual services whose Routing Protocol step use either HTTP Basic authentication or NTLM authentication and with the “Use credentials from incoming request” option selected. If such a virtual service is deployed to Mediator with an invalid password for a valid user, the password gets updated in the passman. As a result, valid service invocations will fail as well. Note that in Mediator, the password for the user to authenticate to back-end services is shared through the passman infrastructure.
This issue is now resolved.
- SMGME-2017
Mediator mistakenly closes the connection with a WCF client after a long pause.
When a WCF client makes a request after a long pause to access a virtual service which is configured to run in NTLM Transparent mode, Mediator closes the connection which is supposed to be kept alive.
This issue is now resolved.
- SMGME-2181
Mediator does not properly handle requests with the Accept header set to multiple Content-Types.
When handling requests with an Accept header set to multiple Content-Types (for example, Accept:application/soap+xml, multipart/related, text/html,image/gif, image/jpeg, *, q=.2, */*; q=.2), Mediator encounters issues while parsing native service responses.
This issue is now resolved.

- SMGME-2277

EnvelopeString is not passed when `watt.server.SOAP.MTOMStreaming` is set to true. When virtual services invoke IS services, EnvelopeString is not passed if the IS property `watt.server.SOAP.MTOMStreaming.enable` property is set to true. This occurs for both MTOM and non-MTOM requests.

With this fix applied, when `watt.server.SOAP.MTOMStreaming.enable` is set to true, EnvelopeString will be passed for non-MTOM requests.

Limitation: EnvelopeString will not be sent to IS services if a request uses the "MTOM" SOAP Optimization Method and if the Integration Server property `watt.server.SOAP.MTOMStreaming.enable` is set to true.

- SMGME-2449

For a virtual REST service request with multi-root node JSON content, Mediator incorrectly logs the requests and responses.

This issue occurred when both of the following conditions were met:

 - a) The "Log Invocation" run-time action is configured to log both requests and responses.
 - b) A virtual REST service request contains multi-root node JSON content such as this:

```

{
  { node1 }
  { node2 }
}

```

Then Mediator incorrectly logs only the first node:

```

{
  { node1 }
}

```

This issue is now resolved. Mediator now logs all nodes of the JSON content.

- SMGME-2364

Mediator changes the Content-Type of REST service responses to `application/octet-stream` in case of an error or fault.

When an error or fault occurs for a REST service invocation, Mediator always changes the Content-Type of responses sent by the native service to `application/octet-stream`.

With this fix applied, Mediator retains the Content-Type of the responses sent by the native service.

- SMGME-2206

Mediator's NTLM authentication support in "Transparent" mode is not stable.

Mediator's NTLM authentication support in "Transparent" mode is not stable when tried with clients that use a connection pool.

This issue is now resolved. Users who have clients that use connection pools are advised to instead configure Mediator's NTLM "Transparent" mode so that it enables Kerberos authentication. To do this, set the property `watt.pg.disableNtlmAuthHandler` to true. Thus, if you select "NTLM" authentication in "Transparent" mode, Mediator will perform the Kerberos Windows authentication (and not NTLM Windows authentication).

- SMGME-2317

Performance metrics are sometimes not communicated properly between Mediator and CentraSite due to a "connection closed" exception.

Performance metrics are published from Mediator to CentraSite using UDDI. A UDDI authToken is required to save the performance metrics. If CentraSite is restarted, or if CentraSite and Mediator are disconnected, this authToken expires. Refetching this authToken throws a "connection closed" exception in CentraSite.

This issue is now resolved. If the authToken expires or if a disconnect occurs, Mediator will fetch the authToken again and publish the Performance metrics in CentraSite. In CentraSite, this issue was fixed by properly handling the closed connection so that refetching the authToken will not cause a "connection closed" exception.

- SMGME-2558

Audit records containing Mediator transaction events are lost.

When an exception occurs during audit logging, the audit records should be written to the failed audit log. However, Mediator does not write to the failed audit log in this scenario, thus resulting in the loss of audit records.

This issue is now resolved.

- SMGME-2181

Mediator does not properly handle request with an Accept header set to multiple Content-Types.

When handling requests with an Accept header set to multiple Content-Types (for example, Accept: application/soap+xml, multipart/related, text/html, image/gif, image/jpeg, *; q=.2, */*; q=.2), Mediator encounters issues while parsing native service responses.

This issue is now resolved.

SMGME-2553

For a virtual REST service request with JSON content, Mediator improperly sends a null value of a parameter as a "null" string to the native service.

If a virtual REST service request contains JSON content with a null value as follows:

```
{
  "_id": "2e572eb7aa7358324cfa0b96bb001a7c",
  "_rev": "1-d13e06d7d560a7395dc240c90858da30",
  "Data": {
    "name": "JoeSmith",
    "age": null
  }
}
```

Then Mediator considers the null value as a String and, while sending it to native service, it converts null to "null", which is not acceptable.

This issue is now resolved.

6.0 Documentation Changes

This section describes significant changes to the documentation in each release, such as the addition, relocation, or removal of product guides, online help, chapters, or other major content.

Release 9.7

None.

Release 9.6

None.

7.0 Terminology Changes

Release 9.7

None.

Release 9.6

None.

8.0 Added, Removed, Deprecated, or Changed Items

This section lists features, functionality, controls, portlets, properties, or other items that have been added, removed, deprecated, or changed.

Release 9.7

Added Item	Description
Multiple resources can be defined for virtual REST APIs.	<p>The enhanced REST framework in CentraSite allows you to explicitly define multiple resources for a RESTful API. You can use the resource path tokenizer to handle the multiple resources at run-time. The tokenizer for substituting a resource path is automatically appended to the API's endpoint (base URL) by a path variable <code>\${sys:resource_path}</code>.</p> <p>If you have defined multiple resources for an API, Mediator replaces the resource path tokenizer at run-time with the appropriate resource path that is defined for the particular resource call.</p> <p>If you have defined an XSLT transformation or webMethods Integration Server services in the request or response processing step of a REST service, then you need to append the resource name to the method name in order to refer to that resource. For example, if you have defined a resource "phones" for the GET method, you will refer to the resource using GET_phones.</p>

Release 9.6

Added Item	Description
The <code>watt.pg.disableNtlmAuthHandler</code> property.	Added to support Kerberos Transparent mode support (see "Kerberos Transparent mode support" below).

Removed Item	Replacement
None.	

Deprecated Item	Replacement
None.	

Changed Item	Description
Kerberos Transparent mode support.	In the Routing Protocols processing step of a virtual service, if you select the HTTP Authentication mode “NTLM” in “Transparent” mode, Mediator performs the Kerberos Windows authentication (and not NTLM Windows authentication) if the property <code>watt.pg.disableNtlmAuthHandler</code> is set to true. If the property is set to false (the default), Mediator performs the NTLM Windows authentication.

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

Release 9.7

None.

Release 9.6

Added Service	Description
<code>pub.mediator.oauth2.getOAuth2AccessToken</code>	A REST service which is used for obtaining OAuth2 access tokens. This is a public service and can be accessed anonymously. Authentication is performed based on the client credentials that are sent to the service. For additional details, see the product documentation.

Removed Service	Replacement
None.	

Deprecated Service	Replacement
None.	

Changed Service	Description
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None.

10.0 Added, Removed, Deprecated, or Changed Parameters

Release 9.7

None.

Release 9.6

None.

11.0 Added, Removed, Deprecated, or Changed APIs

Release 9.7

None.

Release 9.6

None.

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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