

**TIBCO ActiveMatrix<sup>®</sup>**  
**Management Agent**  
**for WebSphere**  
**Release Notes**

*Software Release 1.2.1*  
*February 2015*

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# Release Notes

TIBCO ActiveMatrix® Management Agent for WebSphere extends policy enforcement and monitoring to services deployed to IBM WebSphere Application Server. The management agent is a plug-in component for the WebSphere server, and provides integration with TIBCO ActiveMatrix Policy Manager and TIBCO ActiveMatrix Service Performance Manager.

Check the TIBCO Product Support web site at <https://support.tibco.com> for product information that was not available at release time. Entry to this site requires a username and password. If you do not have a username, you can request one. You must have a valid maintenance or support contract to use this site.

## Topics

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## New Features

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This section lists features added since the last major (1.0) release of this product.

### Release 1.2.1

There are no new features in this release.

### Release 1.2.0

The following new features have been added in this release:

#### Service Probe for IBM WebSphere Application Server

The Service Probe for IBM WebSphere Application Server allows monitoring and management of Java EE Web Services and Service References (JAXRPC/JAXWS) which are deployed and running in IBM WebSphere Application Server 6.1.x using TIBCO ActiveMatrix Service Performance Manager.

#### Support for JAX-WS

TIBCO ActiveMatrix Management Agent for WebSphere supports JAX-WS in this release.

### Release 1.1.0

The following new feature has been added in this release:

#### Embedded Client Side Proxy

The Embedded Client Side Proxy feature enables security context propagation, credential mapping, and encryption or decryption to external services as well as provides a capability that management agent can be configured as a substitute for proxy agent.

It exists inside the ActiveMatrix Management Agent for WebSphere and exposes external endpoints through “References” and manages them. Therefore, the users can configure the client side policies on them the same way as is done for the proxy agent.

## **Additional Platform Support**

TIBCO ActiveMatrix Management Agent for WebSphere now supports the following platforms:

- Solaris 10 (SPARC 32-bit)
- AIX 5.3 (Power PC 64-bit)
- Microsoft Windows XP SP2 (x86)
- Microsoft Windows 2003 Server Professional Edition SP2 (x86)

## **Application Server Support**

IBM WebSphere Application Server Network Deployment 6.1.0 with latest fix pack.

## **Database Support**

TIBCO ActiveMatrix Management Agent for WebSphere now supports Microsoft SQL Server 2005.

## Changes in Functionality

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This section lists changes in functionality since the last major (1.0) release of this product.

### Changes in 1.2.1

There are no changes in functionality in this release.

### Changes in 1.2.0

There are no changes in functionality in this release.

### Changes in 1.1.0

There are no changes in functionality in this release.



## Deprecated Features

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This section describes deprecated features and lists equivalent features that accomplish the same result, if relevant. Any use of a deprecated feature should be discontinued as it may be removed in a future release. You should avoid becoming dependent on deprecated features and become familiar with the equivalent feature.

### Release 1.2.1

There are no deprecated features in this release.

### Release 1.2.0

There are no deprecated features in this release.

### Release 1.1.0

- Client-side auto enforcement of complementary policies has been deprecated in this release.
- The following API has been deprecated in this release:

```
static void setSecurityContextForJaxRPC(  
    Message message,  
    ServletEndpointContext servletEndptContext)  
throws SOAPException
```

## Migration and Compatibility

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This section explains how to migrate from a previous release to this release.

### Release 1.2.1

There are no changes to this section from the previous release.

### Release 1.2.0

To migrate from release 1.1 to 1.2:

1. Stop all Application server instances.
2. Run RevertManagement Utility.
3. Make sure `PolicyAgentManagementService` is uninstalled from the IBM console and all the plugins from `<IBM_HOME>/plugins` folder which have `tibco` as substring are deleted.
4. Run `ManagementAgentConfig` Utility from `<TIBCO_HOME>/amm-was/1.2.`

### Release 1.1.0

There are no migration and compatibility path issues in this release.

## Closed Issues

The table in this section list issues that were closed in the named releases.

Closed in Release	Change Request ID	Summary
1.2.0	1-9LQZUF	If ManagementAgentConfig utility failed due to invalid configuration data, then switching to previous screens to provide the valid data resulted in invalid status message once the utility was successfully completed.
1.2.0	1-9LCLAZ	Management Agent for WebSphere agent did not support IBM Websphere custom profile.
1.2.0	1-9VF76Y	ManagementAgent Config utility failed to start on AIX 5.3 64-bit platform and threw the following exception: WRAPPER - start method threw an exception  Exception in thread "main" java.lang.UnsatisfiedLinkError: net (A file or directory in the path name does not exist.)
1.2.0	1-9JVXRO	WebSphere service (JAX-RPC SOAP/Http) managed by Management Agent for WebSphere incorrectly showed the status as green even when the managed service was stopped in the Policy Manager console.
1.2.0	1-8ZKE31	When WebSphere Application Server deployed a SOAP/JMS service, then the Policy Manager console always indicated that the service was available (green dot)—even when the service was not available.
1.2.0	1-9MB5H7	Management Agent for WebSphere agent Security Context API did not provide interface to propagate security context for SOAP/JMS WebSphere Application Server service.
1.1.0	1-9LR2TN	Management Agent for WebSphere 1.0 documentation incorrectly specified support for JAX-WS.

Closed in Release	Change Request ID	Summary
1.1.0	1-8ZELGO	<p>Management Agent for WebSphere includes newer versions of several .jar files (including TIBCrypt and Entrust) than Policy Manager 2.0.1 included. When installing Policy Manager 2.0.1 on a computer where Management Agent for WebSphere 1.0.0 was already installed, the installer asked whether to overwrite the newer existing files with older versions.</p> <p>This has been fixed with the release of Policy Manager 3.0.</p>
1.1.0	1-91CKBB	<p>When installing Management Agent for WebSphere in either console mode or silent mode, error messages like the following occasionally appeared in stdout:</p> <pre>./TIBCOUniversalInstaller-sol-sparc.bin: whoami: not found</pre>
1.1.0	1-91P6SN	<p>The utility <code>RevertManagementAgent</code> did not delete all the appropriate .jar files from <code>was_home/java/jre/lib/ext</code>. This has been fixed as with this release the files are not copied to this location.</p>
1.1.0	1-91PEGB	<p>The utility <code>RevertManagementAgent -deleteAgentCache</code> did not delete the <code>agentcache</code> directory.</p>

## Known Issues

The table in this section lists known issues in this release.

Change Request ID	Summary/Workaround
1-A01VX0	<p><b>Summary</b> Request sent to the already existing Reference Services throws a null pointer exception.</p> <p><b>Workaround</b> Undeploy the Reference Services and modify the Web Service to add <code>amma-was-config.xml</code> and redeploy.</p> <p>For such scenarios, refer to the "Using Embedded Client Side Proxy Feature" section in <i>TIBCO ActiveMatrix Management Agent for WebSphere Application Server User's Guide</i>.</p>
1-9ZXXPF	<p><b>Summary</b> <code>ManagementAgentConfig Utility</code> fails to retrieve the list of application server list, if one of the existing server instances gets deleted but the <code>profilesregistry.xml</code> file is not updated.</p> <p><b>Workaround</b> Remove the entry of the deleted server from the <code>profilesregistry.xml</code> file and restart the <code>ManagementAgentConfig Utility</code>.</p>
1-9R8GIX	<p><b>Summary</b> After running the <code>RevertManagment Utility</code>, the services are still visible in TIBCO ActiveMatrix Service Performance Manager.</p> <p><b>Workaround</b> Use <code>spmmanagedata.jsp</code> located at <code>&lt;SPM_HOME&gt;/samples/ManageMonitoredObjects</code> to delete WebSphere Application Server objects. For instructions to use <code>spmmanagedata.jsp</code>, refer to the readme that exists at the same location.</p>
1-9Z6PKV	<p><b>Summary</b> <code>ManagementAgentConfig Utility</code> fails with a <code>"java.lang.StringIndexOutOfBoundsException"</code> when run in the console mode with only one profile in the WebSphere Application Server.</p> <p><b>Workaround</b> Create one more WebSphere Application Server profile and run the <code>ManagementAgentConfig utility</code> in the console mode.</p>
1-9YO5PH	<p><b>Summary</b> The <code>RevertManagement Utility</code> removes the instances directory inspite of the <code>deleteAgentCache</code> option not specified.</p> <p><b>Workaround</b> Take a backup of instances directory before executing the cleanup option.</p>

Change Request ID	Summary/Workaround
1-9R6QNZ	<p><b>Summary</b> The service operations of the Service Probe for IBM WebSphere Application Server are not listed in the <i>Services and Operations</i> table of the Rule Builder.</p> <p><b>Workaround</b> To discover the operations, send request to the service.</p>
1-90RCV3	<p><b>Summary</b> Management Agent for WebSphere agent does not embed the <code>jndi</code> property elements in the WSDL for SOAP/JMS managed endpoints.</p> <p><b>Workaround</b> To create a client, edit the WSDL received and modify it to include the <code>jndi:Context</code>, <code>jms:connectionFactory</code> and <code>jms:targetAddress</code> elements.</p>
1-9JF0WD	<p><b>Summary</b> In the Policy Manager console, the "Unregister Service" option for the Service managed with Management Agent for WebSphere agent appears in the Edit Service drop-down list.</p> <p><b>Workaround</b> Do not use the "Unregister Service" option.</p>
1-9JGHNY	<p><b>Summary</b> "Unregister" option for Management Agent for WebSphere agent instance must not appear in the Policy Manager console.</p> <p><b>Workaround</b> Use "RevertManagementAgent" utility to remove the Management Agent for WebSphere agent instance.</p>
1-8ZH2U3	<p><b>Summary</b> Management Agent for WebSphere does not communicate information about the software type of a service (for example, JAX-RPC) to Policy Manager. Consequently, Policy Manager cannot query for endpoints based on this information, nor apply policies or infrastructure items based on this criterion. Attempting to specify this criterion (software type is JAX-RPC) results in the empty set.</p> <p><b>Workaround</b> None</p>
1-8YBALJ	<p><b>Summary</b> If a request message contains user credentials in the HTTP header, then policies of type Authentication: Identity Management System fail. Management Agent for WebSphere cannot access information in the HTTP header of an HTTP request message.</p> <p><b>Workaround</b> Arrange for client applications to pass user credentials in the SOAP headers of request messages.</p>

Change Request ID	Summary/Workaround
1-91HTNC	<p><b>Summary</b> When Management Agent for WebSphere manages a service with In-Only MEP and more than one operation, then using the Policy Manager log viewer to query for logs over all operations returns an empty set of logs.</p> <p><b>Workaround</b> Query over a single operation for which logs actually exist.</p>
1-91JUXK	<p><b>Summary</b> Management Agent for WebSphere does not support PKCS12 keystores in this release.</p>
1-91NN6V	<p><b>Summary</b> Management Agent for WebSphere does not support IBM WebSphere security infrastructure tools (such as ikeyman).</p>

