IBM Tivoli Monitoring for Web Infrastructure:
WebSphere Application Server

Limitations and Workarounds Supplement

Version 5.1.0 (Updated March 2003)
Before using this information and the product it supports, read the information in "Notices" on page 11.
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Limitations and workarounds

This supplement provides the latest information about known product limitations and workarounds for IBM® Tivoli® Monitoring for Web Infrastructure: WebSphere® Application Server. IBM posts publications for this and all other Tivoli products, as they become available and whenever they are updated, to the Tivoli Software Information Center Web site. The Tivoli Software Information Center is located at the following Web address:


Click the <IBM Tivoli Monitoring for Web Infrastructure> link to access the product library.

Note: If you print PDF documents on other than letter-sized paper, select the Fit to page check box in the Adobe Acrobat Print window. This option is available when you click File → Print. Fit to page ensures that the full dimensions of a letter-sized page print on the paper that you are using.

The following sections of this supplement contain the limitations and workarounds information:
- Installation limitations and workarounds
- Other limitations and workarounds
- Additional information on specific limitations and workarounds

Installation limitations and workarounds

This section describes known limitations for IBM Tivoli Monitoring for Web Infrastructure: WebSphere Application Server that you might experience during the installation process. Table 1 describes the limitations and applicable workarounds, including the following limitation categories: General, Internationalization, Documentation, and Patch.

Table 1. Installation limitations and workarounds

<table>
<thead>
<tr>
<th>Limitations</th>
<th>Workarounds</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General limitations</strong></td>
<td></td>
</tr>
<tr>
<td>IBM Tivoli Monitoring for Web Infrastructure: WebSphere Application Server</td>
<td>N/A</td>
</tr>
<tr>
<td>supports IBM WebSphere Application Server Advanced Edition.</td>
<td></td>
</tr>
<tr>
<td>IBM Tivoli Monitoring for Web Infrastructure: WebSphere Application Server</td>
<td>N/A</td>
</tr>
<tr>
<td>version 5.1 supports Windows 2000 operating system with Service Pack 3.</td>
<td></td>
</tr>
<tr>
<td>Some HP-UX operating systems might fail to find long file names on the</td>
<td>Change how you mount the CDs. In many cases, you can use the pfs_mount</td>
</tr>
<tr>
<td>installation CDs for this product. These systems cannot process the Rock</td>
<td>command to mount the CD. See the Hewlett-Packard Company Web site for</td>
</tr>
<tr>
<td>Ridge extensions that are used to write the product CDs.</td>
<td>information. The Patch Database in the Hewlett-Packard IT Resource Center</td>
</tr>
<tr>
<td></td>
<td>has information for some operating system versions. The release notes for</td>
</tr>
<tr>
<td></td>
<td>HP-UX 10.x systems also provide information.</td>
</tr>
<tr>
<td>Limitations</td>
<td>Workarounds</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>When you perform the “Installing files to enable Tivoli Enterprise Data Warehouse” procedure, you might see the following message: CDWA00002W General errors were detected. Review the installation logs to ensure that messages indicate conditions that are acceptable.</td>
<td>Ensure that you have installed the following required patch for Tivoli Enterprise Data Warehouse: 1.1-TDW-FP02 (Tivoli Enterprise Data Warehouse 1.1 Fix Pack 2) This patch is available download at ftp://ftp.software.ibm.com/software/tivoli_support/patches/patches_1.1/.</td>
</tr>
<tr>
<td>When you run the installer in an interconnected Tivoli management region, the installation stops if you try to install the software on another Tivoli management region computer.</td>
<td>Mount the installation media in the CD drive of the Tivoli management region computer on which you are installing the product.</td>
</tr>
</tbody>
</table>
| An installation can fail and yield an unusable Tivoli environment.        | Observe the following precautions when you use the installer and configure the Tivoli environment:  
• As instructed in the installation guide, you should back up the Tivoli environment before and after installation so if you encounter a problem, you can use the backup copy to restore the environment to a known state.  
• Do not install the product while you or others are performing other configuration procedures. If a problem occurs during a scenario in which you are simultaneously installing and configuring, the configuration changes are rolled back to their original state when you restore the object database. |
| When you run the installer on UNIX, a Java exception message like the following might display in the terminal session used to launch the installer: Exception occurred during event dispatching: java.lang.NullPointerException ... | You can ignore this exception. The installer continues to run. |
| See “Java exception that the installer displays” on page 8 for a complete sample of this Java exception message. | The fix for this problem is included in the fix pack for the IBM Tivoli Monitoring Warehouse Enablement Pack. This fix pack is Patch: 5.1.1-ITM-FP01 with the Component: IBM Tivoli Monitoring, Version 5.1.1. You can download the fix pack from the following web site: ftp://ftp.software.ibm.com/software/tivoli_support/patches/patches_1.1/ |
| Some resource models act as proxies for remote computers. These resource models do not always log the full host name for the monitored computer and might use the IP address instead. When this information is uploaded to the Tivoli Data Warehouse, the same host is recognized as two different components: an IP_HOST with the ip_address as an attribute and an IP_INTERFACE. In the IBM Tivoli Monitoring Warehouse Enablement pack ETL processing for IBM Tivoli Monitoring, some components are created two times; some are not created at all. The result is that these attributes are sometimes duplicated, depending on the order of creation of the two host components. **Note:** This limitation is not specific to and does not occur with the WebSphere Application Server warehouse enablement pack. | |

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### Limitations and workarounds (continued)

<table>
<thead>
<tr>
<th>Limitations</th>
<th>Workarounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>When two resource models from different IBM Tivoli Monitoring products measure data against resources that have the same parent short host name, some resources might be created in Tivoli Enterprise Data Warehouse against the wrong AVA_HOST component. AVA is the code name for a specific product. This problem occurs mainly for Proxy components (such as OS/390 hosts) that have short host names. This problem might also occur for Tivoli endpoints if IBM Tivoli Monitoring cannot send back a fully qualified host name for the endpoint. <strong>Note:</strong> This limitation is not specific to and does not occur with the WebSphere Application Server Warehouse Enablement Pack.</td>
<td>The fix for this problem is included in the fix pack for the IBM Tivoli Monitoring Warehouse Enablement Pack. This fix pack is Patch: 5.1.1-ITM-PP01 with the Component: IBM Tivoli Monitoring, Version 5.1.1. You can download the fix pack from the following web site: ftp://ftp.software.ibm.com/software/tivoli_support/patches/patches_1.1/</td>
</tr>
<tr>
<td>You do not need to run the DMLinkJRE task to set up OS/400 endpoints. However, you need to be sure that Java version 1.3 or 1.3.1 is installed on the endpoint.</td>
<td>See the <em>IBM Tivoli Monitoring, Version 5.1.1, User’s Guide</em> for prerequisite software on endpoints running OS/400 for details of the Java product number, options, and required PTF levels.</td>
</tr>
<tr>
<td>The IBM Tivoli Monitoring for Web Infrastructure: WebSphere Application Server Fix Pack 1 does not support multiple instances of WebSphere Application Server on a single system.</td>
<td>None</td>
</tr>
</tbody>
</table>

### Internationalization limitations

- The installer reports failure of installation of language support packs for Tivoli Management Framework, Version 3.7.1.  
  After installation is complete, manually install the language pack or packs for Tivoli Management Framework, Version 3.7.1. Use the Tivoli desktop or `winstall` command, as described in the “Installing IBM Tivoli Language Support for this product” procedure of the installation and setup guide.

- When you run the installer on HP-UX systems in the Traditional Chinese locale, the installer might fail to display text if required fonts are not available.
  Hewlett-Packard Company recommends that specific patches be installed for double-byte character set (DBCS) locales for the Hewlett-Packard Java runtime environment, Version 1.3.1 to work:
  - **Common:** PHSS_25091 (for 11.0) or PHSS_25092 (for 11i)
  - **Japanese:** PHSS_26972 (for 11.0) or PHSS_26971 (for 11i)
  - **Korean:** PHSS_26974 (for 11.0) or PHSS_26973 (for 11i)
  - **Simple-Chinese:** PHSS_26976 (for 11.0) or PHSS_24975 (for 11i)
  - **Traditional Chinese:** PHSS_24937 (for 11.0) or PHSS_26977 (for 11i)
  If you install patches required by the Hewlett-Packard Company and the problem persists, run the installer in English.

### Documentation limitations

- The tables that list required and optional software fail to state that the IBM Tivoli Monitoring, Version 5.1.1, Warehouse Enablement Pack is required to enable Tivoli Enterprise Data Warehouse for this product.
  The next revision of the documentation should list the requirement for this enablement software in the following places:
  - In the required and optional software section of Chapter 3, “Pre-installation”.
  - In the table that lists patches for the required and optional software in the “Patches” appendix of the installation and setup guide.
### Table 1. Installation limitations and workarounds (continued)

<table>
<thead>
<tr>
<th>Limitations</th>
<th>Workarounds</th>
</tr>
</thead>
</table>
| The documentation incorrectly states that patch 1.1-TDW-002 applies to Tivoli Enterprise Data Warehouse and to IBM DB2. However, the patch applies only to IBM DB2. The installation of DB2 is required by Tivoli Enterprise Data Warehouse. | The next revision of the documentation should correctly state the patch requirement in the following places:  
- In the required and optional software section of Chapter 3, “Pre-installation”.  
- In the table that lists patches for the required and optional software in the “Patches” appendix of the installation and setup guide. |
<p>| This patch requires the prior installation of IBM DB2 Universal Database Version 7.2 Enterprise Edition Server integrated with DB2 Universal Database Version 7 Fix Pack 6, or the prior installation of IBM DB2 Universal Database Version 7.2 Enterprise Edition Server followed by the separate installation of DB2 Universal Database Version 7 Fix Pack 6. This patch must be installed prior to the installation or creation of any Tivoli Enterprise Data Warehouse warehouse packs. | The installation and setup guide lists an incorrect CD name. The CD used to upgrade to Tivoli Management Framework, Version 3.7.1, is called Tivoli Management Framework Upgrade from 3.7 to 3.7.1, not Tivoli Management Framework with AIX 5.1 Support (PTF U482278) Version 3.7.1 Revision B as listed in the IBM Tivoli Monitoring for Web Infrastructure Installation and Setup Guide. The next revision of the documentation should reflect this update. |
| The installation and setup guide lists an incorrect CD name. The CD used to upgrade to Tivoli Management Framework, Version 3.7.1, is called Tivoli Management Framework Upgrade from 3.7 to 3.7.1, not Tivoli Management Framework with AIX 5.1 Support (PTF U482278) Version 3.7.1 Revision B as listed in the IBM Tivoli Monitoring for Web Infrastructure Installation and Setup Guide. | The installation and setup guide lists an incorrect CD name. The CD used to upgrade to Tivoli Management Framework, Version 3.7.1, is called Tivoli Management Framework Upgrade from 3.7 to 3.7.1, not Tivoli Management Framework with AIX 5.1 Support (PTF U482278) Version 3.7.1 Revision B as listed in the IBM Tivoli Monitoring for Web Infrastructure Installation and Setup Guide. The next revision of the documentation should reflect this update. |
| The &quot;Installing files to enable Tivoli Enterprise Data Warehouse” procedure mentions a script for installing the files on UNIX. This procedure covers installation only on Windows, so the UNIX information in Step 2 is not relevant. | The &quot;Installing files to enable Tivoli Enterprise Data Warehouse” procedure mentions a script for installing the files on UNIX. This procedure covers installation only on Windows, so the UNIX information in Step 2 is not relevant. The next revision of the documentation should include this update in Step 2 of the procedure. See the procedures in Installing and Configuring Tivoli Enterprise Data Warehouse, Version 1, Release 1, Guide for information on UNIX installations. |</p>
<table>
<thead>
<tr>
<th>Patch limitations</th>
</tr>
</thead>
</table>
| When you use the command line interface or the Tivoli desktop to install the product manually, local object dispatchers must be restarted after you install either of the following items:  
- The patch for upgrading the Tivoli Management Framework to Version 3.7.1  
- Patches 3.7.1-TMF-0073 and 3.7.1-TMF-0087 | Run the following series of commands to restart the local object dispatchers:  
```bash  
odadmin shutdown clients  
odadmin reexec 1  
odadmin start clients  
```
| For OS/400 endpoint fixes, you must install the patch 3.7-TMF-0043. | Update the endpoint with this latest version of code. |
| IBM Tivoli Monitoring 5.1.1 Fix Pack 2 and IBM Tivoli Monitoring Component Services 5.1.0 Fix Pack 1 are also needed for OS/400 support. | None. |

### Other limitations and workarounds

This section describes known limitations for IBM Tivoli Monitoring for Web Infrastructure: WebSphere Application Server that you might experience outside the installation process. Table 2 describes the limitations and applicable workarounds, including the following limitation categories: General, IBM Tivoli Monitoring, Internationalization, Documentation, and Patch.
<table>
<thead>
<tr>
<th>Limitations</th>
<th>Workarounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Running the EJB resource model without the WebSphere Application Server Fix PQ63262 can cause resource models to hang on an endpoint. This is for WebSphere Application Server AE 3.5, and it is not required for WebSphere Application Server 4.x.</td>
<td>Install the Fix PQ63262.</td>
</tr>
<tr>
<td>If you stop an administration server, the resource models on that endpoint will no longer monitor correctly and will return &quot;Failing (54)&quot; for all resource models except the WebSphereAS Administration Server Status, until the monitoring engine is restarted.</td>
<td>Restart the monitoring engine.</td>
</tr>
<tr>
<td>Right-click operations (such as Check Status) does not work on objects with a 0x5c (or &quot;&quot;) in the Application Server name.</td>
<td>Run these tasks directly from the task library.</td>
</tr>
</tbody>
</table>
| Before applying any version upgrade or Fix to IBM WebSphere Application Server, shut down the IBM WebSphere Application Server Tivoli Enterprise Console® adapter and the IBM Tivoli Monitoring engine on the endpoint. | Perform the following steps:  
1. Stop the monitoring engine on the endpoint by running the following command from the Tivoli management region server:  
   `wdmcmd -stop -e <endpoint_name>`  
   where `<endpoint_name>` is the name of the endpoint.  
2. Run the Stop_WebSphere_TEC_Adapter task against the endpoint to stop the IBM WebSphere Application Server Tivoli Enterprise Console adapter.  
3. Apply the IBM WebSphere Application Server Fix or version upgrade.  
4. Run the Start_WebSphere_TEC_Adapter task to restart the adapter.  
5. Restart the IBM Tivoli Monitoring engine by running the following command from the Tivoli management region server:  
   `wdmcmd -restart -e <endpoint_name>`  
   where `<endpoint_name>` is the name of the endpoint. |
<table>
<thead>
<tr>
<th>Limitations</th>
<th>Workarounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>If the WebSphere Application Server is security enabled and security related WebSphere messages appear in trace logs, then WebSphere PTFs may be required. Lack of these PTFs might also cause restart problems with the Tivoli Enterprise Console Adapter and the resource models. This is for WebSphere Application Server version 4.0 only.</td>
<td>The currently known PTFs for product 5733WA4 are the following:</td>
</tr>
<tr>
<td></td>
<td>• SI06476</td>
</tr>
<tr>
<td></td>
<td>• SI06451</td>
</tr>
<tr>
<td></td>
<td>• SI06512</td>
</tr>
<tr>
<td></td>
<td>• SI06644</td>
</tr>
<tr>
<td></td>
<td>• SI06645</td>
</tr>
<tr>
<td></td>
<td>• SI06646</td>
</tr>
<tr>
<td></td>
<td>• SI06647</td>
</tr>
<tr>
<td></td>
<td>• SI06688</td>
</tr>
<tr>
<td></td>
<td>• SI06689</td>
</tr>
<tr>
<td>If the Tivoli Enterprise Console Adapter does not restart correctly after the WebSphere Application Server is stopped and restarted, then stop and restart the Tivoli Enterprise Console Adapter. Either use the <code>wdmeng</code> command or redistribute the resource models to restart them if they do not recover from a Failing condition.</td>
<td></td>
</tr>
<tr>
<td>You receive a “Missed Prereq” status for a resource model that was running successfully.</td>
<td>Restart the resource model from the Web Health Console or using the <code>wdmeng</code> command. See the “Problem Determination” appendix in the IBM Tivoli Monitoring for Web Infrastructure: WebSphere Application Server User’s Guide for more information.</td>
</tr>
<tr>
<td>When trying to delete a WSAdministrationServer object, the following error message is displayed even though no WSApplicationServer objects associated with the identified WSAdministrationServer object exist.</td>
<td>In order to delete the WSAdministrationServer object in question, all WSApplicationServer objects with labels containing a superset of the <code>PolicyRegion@nodeName</code> portion of the WSAdministrationServer label must be deleted. See “Problems deleting WSAdministrationServer objects” on page 9 for more information.</td>
</tr>
<tr>
<td>IZY2479E Unable to remove WSAdministrationServer object &quot;PolicyRegion@nodeName&quot;. Remove WSApplicationServer objects associated with this object first.</td>
<td></td>
</tr>
<tr>
<td>When uninstalling the product using the <code>wuninst ITMWAS &lt;managed_node&gt; –rmfiles</code> command, you might receive the following error message:</td>
<td>This might occur if you create a policy region under the Monitoring for WebSphere Application Server policy region, then create a profile manager in this new policy region. The uninstall command removes only profile managers directly under the Monitoring for WebSphere Application Server policy region. Because the the profile manager is not deleted under the new policy region, the command to delete the policy region fails because the policy region is not empty. Manually delete the profile managers and the policy region, including the Monitoring for WebSphere Application Server policy region. Then run the following commands:</td>
</tr>
<tr>
<td>FRWSL0024E A failure was detected by the oserv daemon:</td>
<td>wdel @PolicyRegion:&lt;Policy Region Name&gt; FRWSL0002E An invalid internal parameter found:</td>
</tr>
<tr>
<td>FRWOG0040E Transaction Error</td>
<td>FRWOG0006E named resource already exists Please refer to the TME 10 Framework Planning and Installation Guide, “TME Maintenance and Troubleshooting” for details on diagnosing internal errors or contact your Tivoli support provider.</td>
</tr>
<tr>
<td>Limitations</td>
<td>Workarounds</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| **On a Solaris Tivoli management region server, when you uninstall the product using the `wuninst ITMWAS <managed_node> -rmfiles` command, you might receive the following error:** Task timed out. You will also see the following error in the `$DBDIR/IZY/logs/trace_itmwas_uninstall_prod.log` file: 
```
tmr=<managed_node1> <managed_node2> + hostname 
+ [ <managed_node1> <managed_node2> != <managed_node2> ] 
<temp file name>: test: unknown operator 
<managed_node2> 
```
This might occur if you have more than 9 managed nodes and the Tivoli management region server is running on Solaris. Use the following steps to fix this problem: 1. Edit the `itmwas_uninstall_prod.sh` file in the `$BINDIR/../../bin/generic_unix/TME/WSAPPSVR/tasks` directory. 2. Change line 223 from 
```
tmr=`wlookup -r ManagedNode -a | grep "$TMR.1" | awk '{print $1}'`
```
to 
```
tmr=`wlookup -r ManagedNode -a | grep "$TMR\..1\." | awk '{print $1}'`
```
3. Run the uninstall command again. |
| **For OS/400 platforms, when using the Configure_WebSphere_TEC_Adapter task from the Tivoli desktop, you must enter values.** For OS/400 platforms, events are always non-Tivoli Management Environment. |
| **IBM Tivoli Monitoring limitations** | None |
| **IBM Tivoli Monitoring does not support Java 1.4.x.** | None |
| **If you have Tivoli Enterprise Data Warehouse installed on a Windows NT system, changes to the Logging window on the Tivoli desktop are not saved when you click **Apply Changes and Close.** This limitation applies only to resource models that are created using the `wdmeditprf` command. If you add resource models using the Tivoli desktop, this limitation does not apply.** | See "On Windows NT®, changes made on the IBM Tivoli Monitoring Logging window are not saved" on page 10 for detailed workaround information. |
Table 2. Other limitations and workarounds (continued)

<table>
<thead>
<tr>
<th>Limitations</th>
<th>Workarounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port conflicts occur when multiple Tivoli products using IBM Tivoli Monitoring Component Services JLOG run on the same machine using the default port (9992). If this occurs, it prevents resource models that use JLOG from running correctly and a java.net.BindException is generated in the following logs: • For IBM Tivoli Monitoring: – Windows: Tmw2k.log in the $LCF_DATDIR/LCFNEW/Tmw2k directory – UNIX: dmxout.log in the $LCF_DATDIR/LCFNEW/Tmw2k/Unix/data directory</td>
<td>You can specify that the IBM Tivoli Monitoring engine should use a different port. For Windows: 1. Create a new System Environment property called &quot;JAVAPROVIDER_JVM_OPTIONS.&quot; 2. Set the value for the new property to &quot;–Djlog.logCmdPort=&lt;port&gt;,&quot; where &lt;port&gt; is a port number other than the default value (9992). To not use a port and to disable the dynamic logging feature provided by IBM Tivoli Monitoring Component Services, set –Djlog.noLogCmd=true instead of –Djlog.logCmdPort=&lt;port&gt;. 3. Restart the Windows system. For UNIX: 1. Edit the engine_launcher file in the $LCF_DATDIR/LCFNEW/Tmw2k/Unix/bin/ directory. 2. Near the end of the file, locate the Java command that executes com.tivoli.dmunix.ep.agent.Main. 3. Add the following parameter: –Djlog.logCmdPort=&lt;port&gt;, where &lt;port&gt; is a port number other than the default value (9992). To not use a port and to disable the dynamic logging feature provided by IBM Tivoli Monitoring Component Services, set –Djlog.noLogCmd=true instead of –Djlog.logCmdPort=&lt;port&gt;. Note: If you clear the endpoint with the IBM Tivoli Monitoring DMEndpointUninstall task or redistribute resource models, the engine_launcher script might be overwritten because the file redistributed. If this occurs, update the engine_launcher script again.</td>
</tr>
</tbody>
</table>

Internationalization limitations

Messages for resource models, such as Tivoli Enterprise Console events, appear in English, even though non-English language packs are installed. Use the wdmrm -addcat command to apply language pack message catalogs to resource models. See the IBM Tivoli Monitoring documentation for more information about running this command.

Documentation limitations

None

Patch limitations

None

Additional information on specific limitations and workarounds

This section includes descriptions and procedures regarding specific limitations and workarounds from Tables 1 and 2.

Java exception that the installer displays

The following sample message shows a harmless Java exception message that might display when you run the product installer on UNIX:
Problems deleting WSAdministrationServer objects

When trying to delete a WSAdministrationServer object, the following message is displayed even though no WSApplicationServer objects associated with the identified WSAdministrationServer object exist.

IZY2479E Unable to remove WSAdministrationServer object "PolicyRegion@nodeName". Remove WSApplicationServer objects associated with this object first.

In order to delete the WSAdministrationServer object in question, all WSApplicationServer objects with labels containing a superset of the PolicyRegion@nodeName portion of the WSAdministrationServer label must be deleted. For example, the following table shows four objects:

<table>
<thead>
<tr>
<th>Number</th>
<th>Object label</th>
<th>Object type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>wfoo@ctv09144</td>
<td>WSAdministrationServer</td>
</tr>
<tr>
<td>2</td>
<td>wfoo@ctv09144@Default Server</td>
<td>WSApplicationServer</td>
</tr>
<tr>
<td>3</td>
<td>foo@ctv09144</td>
<td>WSAdministrationServer</td>
</tr>
<tr>
<td>4</td>
<td>foo@ctv09144@Default Server</td>
<td>WSApplicationServer</td>
</tr>
</tbody>
</table>

In order to delete the WSAdministrationServer object #3 (foo@ctv09144), you must also delete objects #2 and #4. To do this, perform one of the following procedures.

To delete as few existing IBM Tivoli Monitoring for Web Infrastructure: WebSphere Application Server objects as possible:

1. Delete object #4 first; it is an associated WSApplicationServer object. You can delete the object through the Tivoli desktop or with the **wwebsphere –d** command.

2. Delete object #2. Object #2 is a WSApplicationServer object whose PolicyRegion@nodeName label components, "wfoo@ctv09144," are a superset of the label components for object #3, "foo@ctv09144." Although not logically associated with object #3, object #2 must be deleted before you can delete object #3.
3. Delete object #3 through the Tivoli desktop or with the `wwebsphere -d` command.
4. If desired, re-create object #2 using the `wwebsphere -c` command or the Discover_WebSphere_Resources task.

To delete all existing IBM Tivoli Monitoring for Web Infrastructure: WebSphere Application Server objects:
1. Delete all WSApplicationServer objects through the Tivoli desktop or with the `wwebsphere -d` command.
2. Delete all WSAdministrationServer objects through the Tivoli desktop or with the `wwebsphere -d` command.

On Windows NT®, changes made on the IBM Tivoli Monitoring Logging window are not saved

If you have Tivoli Enterprise Data Warehouse installed on a Windows NT system, changes to the Logging window on the Tivoli desktop are not saved when you click **Apply Changes and Close**. This limitation applies only to resource models that are created using the `wdmeditprf` command. If you add resource models using the Tivoli desktop, this limitation does not apply.

To correct this behavior, perform the following steps:
1. Open the IBM Tivoli Monitoring Profile window by doing the following:
   a. Open the Tivoli desktop.
   b. Double-click the policy region icon to display the policy region.
   c. Double-click the profile manager icon to display the profile manager.
   d. Double-click the profile icon in which you want to customize a resource model.
2. Select the resource model that you want to customize.
3. Click **Edit** to open the Edit Resource Model window.
4. Click **Logging** to open the Logging window.
5. Select the **Enable Data Logging** check box in the Data Logging Settings panel to enable logging.
6. Clear the **Aggregate Data** check box.
7. Select **Raw Data** or **TEDW Data**.
8. Click **Apply Changes and Close**.

After you perform this procedure, the software behaves as expected and subsequent changes to the logging parameters are saved normally.
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