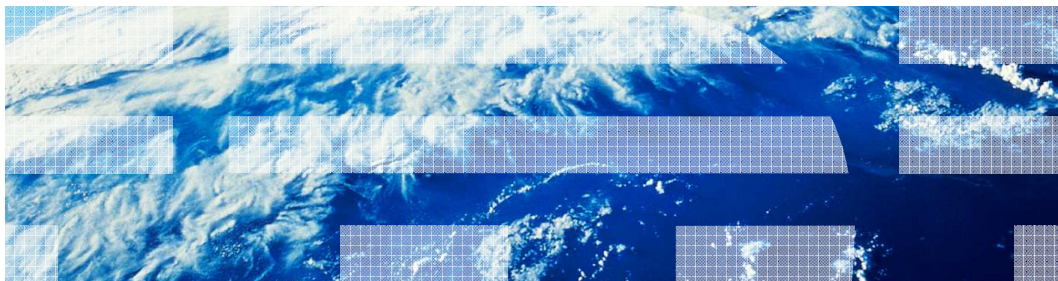# IBM Tivoli Composite Application Manager for Application Diagnostics V7.1

Manually unconfiguring a data collector

© 2012 IBM Corporation

IBM Tivoli Composite Application Manager for Application Diagnostics V7.1, Manually unconfiguring a data collector. This module describes how to manually unconfiguring a data collector from a WebSphere application server.

Assumptions

Before you proceed, the module designer assumes that you have these skills and knowledge:
- You are a WebSphere Application Server administrator
- You have full access to the WebSphere Application Server Administration Console

Manually unconfiguring a data collector   © 2012 IBM Corporation

The module developer assumes that you can understand the basic administration topics of the WebSphere Application Server. Additionally, you need the WebSphere Application Server administration credentials to access and change the settings inside the Administration Console.

Objectives

When you complete this module, you can perform these tasks:

- Reconfigure the IBM Tivoli Composite Application Manager data collector
- Continue to use the WebSphere Application Server without the configured WebSphere agent

Manually unconfiguring a data collector

When you complete this module, you can perform these two tasks:

First, reconfigure the IBM Tivoli Composite Application Manager data collector. This action can be done on the same WebSphere instance that you unconfigured, or on a different one.

Second, continue to use the WebSphere Application Server without the configured WebSphere agent.

IBM

Step 1

- Log in to the WebSphere Application Server Administration Console

- If security is enabled, there is a password prompt too

Integrated Solutions Console

Log into node - nc118243Node01.

User ID:

Log in   Back

Note: After some period of inactivity, the system will log you out automatically and ask you to log in again.

Welcome

Welcome   ? _ □

Integrated Solutions Console provides a common administrative console for multiple products. The table lists the product suites that can be administered through this installation. Select a product suite to view more information.

Suite Name	Version
WebSphere Application Server	7.0.0.0

4   Manually unconfiguring a data collector   © 2012 IBM Corporation

Use the WebSphere Administration user account to log in to the administrative console and apply the changes. If the security is enabled, the screen displays a password prompt too.

(2 of 4) Removing the JVM properties

Step 2

Navigate to: **Server > Application servers >** *<your-server-name>* **> Configuration tab > Java and Process Management > Process definition > Java Virtual Machine > Custom Properties**

Cell=nc118243Node01Cell, Profile=AppSrv01

Application servers

Application servers > **server1** > **Process definition** > **Java Virtual Machine** > **Custom properties**

Use this page to specify an arbitrary name and value pair. The value that is specified for the name and value pair is a string that can set internal system configuration properties.

After you log on, click the left navigation tree and navigate to the path **Server > Application Servers >** *<your-server-name>* **> Configuration tab > Java and Process Management > Process Definition > Java Virtual Machine > Custom Properties**.

(3 of 4) Removing the JVM properties

Step 3

- The following JVM Custom Properties can be deleted, if they are present:
  - am.home
  - java.security.policy
  - com.ibm.tivoli.jiti.injector.ProbeInjectorManagerChain.primaryInjectorFile

- Depending on the WebSphere Application Server version, for example V5.1 versus V6.1, you can also remove the custom service **com.cyanea.ws6.ITCAMNotifierCustomService**

<u>Application servers</u> > <u>server1</u> > <u>Process definition</u> > <u>Java Virtual Machine</u> > **Custom properties**

Use this page to specify an arbitrary name and value pair. The value that is specified for the name and value pair is a string that can set internal system configuration properties.

⊞ Preferences

New   Delete

am.home check box

Select	Name ◇	Value ◇	Description ◇
	You can administer the following resources:		
☐	am.home	/opt/IBM/ITM/aix533/yn/wasdc/7.1.0.2/itcamdc	
☐	com.ibm.security.jgss.debug	off	
☐	com.ibm.security.krb5.Krb5Debug	off	
Total 3			

6   Manually unconfiguring a data collector   © 2012 IBM Corporation

The list of the settings of your application server depends on the version of your WebSphere Application Server and IBM Tivoli Composite Application Manager agent. Not all of the settings are present.

Typically the property **am.home** is always present; you can remove it.

In addition, you can find the custom service **com.cyanea.ws6.ITCAMNotifierCustomService** depending on the WebSphere Application Server, **version.ITCAMNotifierCustomService**. If found, you can remove it.

(4 of 4) Removing the JVM properties

Step 4

- Navigate to the **Generic JVM Arguments** field:

- Remove part or all of the field content, by looking at the <**ITCAMDCHOME**> string and other arguments like these strings:
  - -Xbootclasspath
  - -agentlib
  - -Xshareclasses:none
  - -verbosegc
  - -Xtrace

Debug arguments
-agentlib:jdwp=transport=dt_socket,server=y,suspend=n,address=7778

Generic JVM arguments
-Xbootclasspath/p:${ITCAMDCHOME}/toolkit/lib/bcm-bootstrap.jar:${ITCAMDCHOME}/itcamdc/lib/ppe.probe-bo

Executable JAR file name

Manually unconfiguring a data collector

The **Generic JVM Arguments** field is the most relevant one when you unconfigure the IBM Tivoli Composite Application Manager data collector. JVM represents Java Virtual Machine.

Typically, you can remove everything from this field unless another non-IBM Tivoli Composite Application Manager application is configuring your application server.
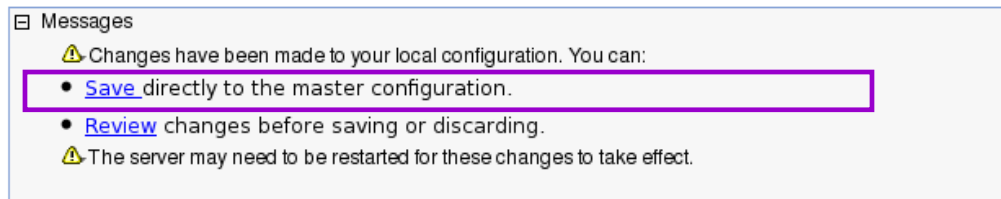
If you keep the **verbosegc** argument, the application server continues to produce verbose logging in the WebSphere Application Server native logs. You can remove it.

Saving the changes to JVM

Step 5

- To apply the changes, click **OK** and then **Save** directly to master configuration

- Important note:

  If you are working in a Network Deployment system, select the **Synchronize changes with Nodes** option; otherwise, click **Save**

⊟ Messages
    ⚠ Changes have been made to your local configuration. You can:
-   **Save** directly to the master configuration.
-   **Review** changes before saving or discarding.
    ⚠ The server may need to be restarted for these changes to take effect.

    Manually unconfiguring a data collector   © 2012 IBM Corporation

To save the first part of changes, click **OK** and then **Save**.

If you are working in a Network Deployment system, it is critical to select the **Synchronize changes with Nodes** check box. If you do not select this option, then the synchronization between nodes does not occur.

Environment variables

Step 6

The **ITCAMDCHOME** *WebSphere Application Server environment* variable can be safely removed, if it is present

To display the WebSphere environmental variables, expand the **Environment** node in the left tree. Then, click **WebSphere variables** and finally select the **server** scope on the right side of the screen.

To safely remove the variable **ITCAMDCHOME** on the right part of the screen, select its check box and click **Delete**.

IBM

Shared libraries

Step 7

- Navigate to **Environment > Shared Libraries** and change the scope to your WebSphere Application Server instance

- Look for the WPSlib shared library name and remove its path that contains **wpsaspect.jar** or remove the entire WPSlib if it remains empty

Shared libraries

- Virtual hosts
- Update global Web server plug-in configuration
- WebSphere variables
- Shared libraries
- Replication domains
- Naming

System administration

Users and Groups

Monitoring and Tuning

Troubleshooting

Service integration

UDDI

Scope specifies the level at which the resource definition is visible. For detailed information on what scope is and how it works, see the scope settings help.

Node=nc118243Node01, Server=server1

Preferences

| New | Delete |

Select	Name ↕		Description ↕
None			
Total 0			

You can display the WebSphere shared libraries by expanding the **Environment** node in the left tree. Then, click **Shared libraries** and finally select the **server** scope on the right side of the screen.
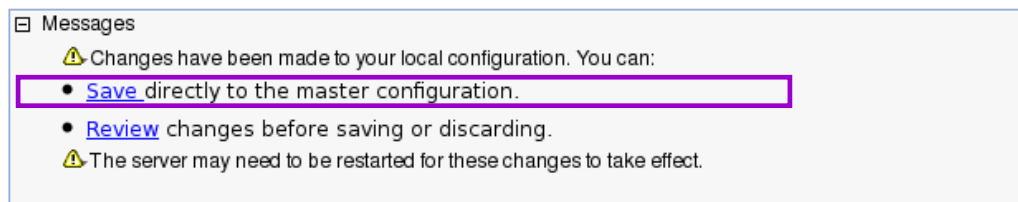
You can remove the **WPSlib shared library**, if it exists. Typically, it is found for WebSphere Process servers only. This action is not applicable for WebSphere Application Server base instances, as shown in the screen capture.

Saving the changes to Variables and Libraries

Step 8

- Apply the changes; click **OK**

- Click **Save** directly to master configuration

- Important note:

  If you are working in a Network Deployment system, select the **Synchronize changes with Nodes** option. Otherwise, click **Save**

□ Messages
  ⚠ Changes have been made to your local configuration. You can:
  • Save directly to the master configuration.
  • Review changes before saving or discarding.
  ⚠ The server may need to be restarted for these changes to take effect.

Manually unconfiguring a data collector   © 2012 IBM Corporation

To save the second part of changes, click **OK** and then click **Save**.

It is critical to select the **Synchronize changes with Nodes** check box if you are working in a Network Deployment system. If you do not select this option, then the synchronization between nodes does not occur.

The changes through the WebSphere Application Server Admin Console finish here.

WasConfiguredServers.xml

Step 9

- Go to the directory **<DCHOME>/config/**
  Example: /opt/IBM/ITM/aix533/yn/wasdc/config

- Edit the file **configuredServers.xml**
  In the file, look for a section similar to the following text:
  ```
  <instance
    id="C:\IBM\WAS7\profiles\prf01\cells\cl01\nodes\nd01\servers\s
    erver1">
  <node>CONFIG_FILE_STORE_DIR=C:\IBM\ITM\TMAITM6\wasdc\7.1.0.3\in
    staller\configured\was70.nd01.server1</node>
  <node>WAS_BASEDIR=C:\IBM\WAS7</node>
  </instance>
  ```

- If found, remove the entire section and save the file

Manually unconfiguring a data collector   © 2012 IBM Corporation

As a final task, you must access the data collector file system.

Go to the directory **<DCHOME>/config**.

Open the file **configuredServers.xml**. Edit the file to remove the **<instance>** section of your application server. Do not remove the entire file; just remove the xml section mentioned.

The example here is for the **server1** instance.

Final step

Step 10

Restart your WebSphere Application Server instance either with the Administration Console or with the command line

Manually unconfiguring a data collector

Stop and start your WebSphere Application Server instance to apply the changes. You can stop and start the instance with the Administration Console or with the command line.

itcamfwas-manually-unconfigure.ppt

Summary

Now that you have completed this module, you can perform these tasks:

- Reconfigure the IBM Tivoli Composite Application Manager data collector

- Continue to use the WebSphere Application Server without the configured WebSphere agent

Manually unconfiguring a data collector

By following the actions that are described in this module, you can get a clean WebSphere Application Server instance. For example, you can try to reconfigure the IBM Tivoli Composite Application Manager agent to resolve any previous issue.

This procedure is typically needed when, for some reason, you are unable to run the standard configuration tool to quickly remove the IBM Tivoli Composite Application Manager settings.

itcamfwas-manually-unconfigure.ppt

Feedback

Your feedback is valuable

You can help improve the quality of IBM Education Assistant content to better meet your needs by providing feedback.

- Did you find this module useful?
- Did it help you solve a problem or answer a question?
- Do you have suggestions for improvements?

Click to send email feedback:

mailto:iea@us.ibm.com?subject=Feedback_about_itcamfwas-manually-unconfigure.ppt

This module is also available in PDF format at: ../itcamfwas-manually-unconfigure.pdf

Manually unconfiguring a data collector   © 2012 IBM Corporation

You can help improve the quality of IBM Education Assistant content by providing feedback.

Trademarks, disclaimer, and copyright information