

IBM Tivoli<sup>®</sup> Composite Application Manager for J2EE V6.1, Manually configuring a managed WebLogic server version 10.3.

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Assumptions	
Before you proceed, you must have these skills and knowledge:	
<ul> <li>Basic skills for WebLogic Application Server and its directory structure</li> </ul>	
A WebLogic server that runs with a JRockit Java virtual machine	
Knowledge of the ITCAM Data Collector GUI configuration tool	
<ul> <li>Ability to configure the administrative instance by using the ITCAM Data Collector GU configuration tool</li> </ul>	I
<ul> <li>Knowledge of Windows or Linux/UNIX operating system</li> </ul>	
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Objectives	3	
When you cor of a WebLo	nplete this module, you can configure a data collector for any manag gic Application Server without running the standard ITCAM configura	ed instance tion tool
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When you complete this module, you should be able to configure a data collector for any managed instance of a WebLogic Application Server manually. For example, you can configure the data collector without running the standard ITCAM configuration tool.



You must start from a clean state. For example, the administrative instance must not be initially configured by ITCAM. In this module, the instance is named **AdminServer**. Also, ensure that no managed server is configured by ITCAM. The server in this module is named **managedserver1**.



Start the AdminServer by using the script startWebLogic.cmd. Try to configure AdminServer with ITCAM by using the standard script **config\_dc.bat**. If the script completes successfully, stop the AdminServer and proceed with step two on the next slide. If the standard script does not complete successfully, stop the AdminServer and use the technote to manually create its ITCAM runtime directory. The address of the technote is listed on the slide. A template runtime directory is provided in the technote. Afterward, you can proceed to the next step.



Do not start the AdminServer yet. First, verify the current files of your AdminServer runtime directory. In this example, the AdminServer runtime directory is

<DCHOME>\runtime\wls10.base\_domain.myhostname.AdminServer\. The initial listing of that directory looks like the 10 files in the screen capture, plus a custom subdirectory that contains two more files, for a total of 12 files.



Now, back up the directory that is created in step two as a template. You can use this directory for your future runtime configurations. For example, you can archive it and back it up for future needs. Duplicate this directory in the same location and rename it by replacing AdminServer with managedserver1. An example of a final directory name and location is <DCHOME>\runtime\wls10.base\_domain.myhostname.managedserver1.



In this step, you work on the newly created runtime directory to adapt it for a managed server. Go to the new **managedserver1** runtime directory and rename the only three files whose names contain the string **AdminServer**, by replacing AdminServer with managedserver1. Now, you must edit the contents of six files, the ones that are listed in this slide. Replace all the internal occurrences of AdminServer with managedserver1. Finally, update the file **dc.properties** with the JMX\_PORT value that is used by your managed server.

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Step 5: Customizing the startup script	_
<ul> <li>Go to the <domain>/bin directory and open the script startWebLogic.cmd for editing</domain></li> </ul>	
Look for the ITCAM section that is delimited by these two lines:	
@REM AdminServer*****************DC for Weblogic support—begin************************************	
 @REM AdminServer**************DC for Weblogic supportend **********************	
Duplicate the previous section by replacing all the occurrences of AdminServer with managedserver1	
<ul> <li>Append the new, duplicated section after the first one and just before the line @REM START WEBLOGIC</li> </ul>	;
Example of final layout: @REM AdminServer*************DC_for Weblogic support—begin************************	
 @REM AdminServer**************DC for Weblogic supportend ***********************	
<pre>@REM managedserver1*****************DC for Weblogic support—begin******************************</pre>	
 @REM managedserver1************DC for Weblogic supportend ************************************	
@REM START WEBLOGIC	
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In this step, you customize the startup script. Identify the ITCAM section for the AdminServer. It is located just before the line @REM START WEBLOGIC. You can now duplicate it by appending the new, duplicated section after the original one and replacing all the occurrences of AdminServer with managedserver1.



Here is an example of an ITCAM section for an AdminServer that you have to duplicate and customize for managedserver1, as explained in the previous slide.



In the last step, edit the config.xml file by ensuring that AdminServer and managedserver1 are listed in both AM Shutdown and AM Startup stanzas. You can start the AdminServer by using the startWebLogic.cmd script. You can start managedserver1 by using the script startManagedWebLogic.cmd with the option **managedserver1**.

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Summary		
Now that you instance of configuratic	completed this module, you can configure a data collector for any ma a WebLogic Application Server without running the standard ITCAM on tool	anaged
12	Manually configuring a managed WebLogic server V10.3	© 2013 IBM Corporation

Now that you completed this module, you can configure a data collector for any managed instance of a WebLogic Application Server without running the standard ITCAM configuration tool.

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