

IBM Tivoli[®] Composite Application Manager for Application Diagnostics V7.1, Debugging communication between the Tivoli Composite Application Manager for Application Diagnostics Data Collector and the Transaction Collector.

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Objectives	
When you have completed this module, you can perform these tasks:	
 Perform data collector (DC) configuration steps 	
 Perform data collector tracing steps 	
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When you have completed this module, you can perform Data Collector configuration and Data Collector tracing steps.



The products used here are Tivoli Composite Application Manager for Transaction Tracking and Tivoli Composite Application Manager for Application Diagnostics V7.1 or Tivoli Composite Application Manager for WebSphere[®] V6.1. The steps are meant for Tivoli Composite Application Manager for Application Diagnostics V7.1. They also work for Tivoli Composite Application Manager for WebSphere Application Server V6.1, although the directory paths are different for that version. The configuration and tracing steps described in the next slides are meant to be done on the Data Collector.



The following two products are used, each performing its own functions to view and analyze transactions. Tivoli Composite Application Manager for Transactions Tracking provides a horizontal view and Tivoli Composite Application Manager for Application Diagnostics provides a vertical view. The Transaction Tracking Application Programming Interface (TTAPI) is the process that bridges the two products so transactions can be seen in both horizontal and vertical views.



These are the steps to configure or enable the Tivoli Composite Application Manager for Application Diagnostics Data Collector to send data to the Tivoli Composite Application Manager for Transactions Tracking Transaction Collector component. Perform each step carefully, verify the port number in step two, and, if used, in step three. The Transaction Collector port is 5455 and should be available and listening on the system identified in step one.



The TTAPI libraries are defined in the **dc.java.properties** and the **server.xml** files. The **dc.java.properties** file is located in the **runtime** directory of the Data Collector. The **server.xml** file is located under the WebSphere configuration directory. In both these files, check the references to the Transaction Tracking Application Programming Interface (TTAPI) libraries being used. If they are missing, the communication between the Data Collector and the Transaction Collector fails.

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Tracing steps	
<pre>Step 5: Enable the trace for TTAPI integration</pre>	x
 Step 6: Collect the trace log The default trace log is written to this directory: \$DC_HOME/logs/CYN/logs directory (for a V7.1 system) Compress this log file and when asked, send it to the IBM support team 	
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If you have configured the Data Collector to communicate to the Transaction Collector correctly, and it still fails, then you might want to turn on tracing. Follow the steps listed to enable tracing.

Note: You must stop and start the WebSphere Application Server to get the trace log file.

For a Version 7.1 system, by default, the trace log file is in the **\$DC_HOME/logs/CYN/logs** directory.

Compress this log and send it to the IBM support team or attach it to your problem management record (PMR). In addition to this file, run the Data Collector **cyn_collector.sh** script and send the output file the script creates. The IBM support team reviews the script and gets back to you with the next steps.

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Summary	
Now that you completed this module, you can perform these tasks:	
 Perform data collector configuration steps 	
 Perform data collector tracing steps 	
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Now that you have completed this module, you can perform Data Collector configuration and Data Collector tracing steps.



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