IBM Business Monitor V7.5

Configuring a remote CEI server

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What this exercise is about

The objective of this lab is to provide instructions for installing IBM Business Monitor V7.5 as a stand-alone server, then configuring it to use a remote CEI server which is installed on a second machine. If the CEI server is in a different cell than the IBM Business Monitor server, these tasks guide you through the configuration to enable the remote system to send events to IBM Business Monitor.

Lab requirements

List of system and software required for the student to complete the lab:

- IBM Business Monitor V7.5 which includes
 - o WebSphere Application Server
- IBM Business Process Manager Advanced V7.5
- You should have a supported version of DB2 installed. In this lab it is installed on both machine 1 and machine 2.
- You should have two machines, or you can use just one machine if it has sufficient memory to allow starting two stand-alone servers simultaneously.

What you should be able to do

At the end of this lab you should be able to do the following:

- Install IBM Business Monitor on machine 1.
- Install IBM Process Server on machine 2.
- Configure single sign-on and SSL on both machines.
- Run the queue bypass script on the remote server and test the JDBC connection.
- Deploy a monitor model to the monitor server.
- Submit events on the remote server.
- Verify that monitoring context instances are created.

Introduction

To enable the WebSphere® Business Monitor server to manage a remote CEI event server, if the CEI server is in a different cell than the IBM Business Monitor server, then you must change the configuration to enable the remote system to send events to IBM Business Monitor. The remote server can be WebSphere Application Server, IBM Process Center or IBM Process Server.

In IBM Business Monitor, you can choose to receive events from the inbound common event infrastructure (CEI) server using two different transport types: JMS (queue-based) and table-based (also known as queue bypass). Queue-based event delivery uses Java Messaging Service (JMS) to deliver events from CEI to the monitor model. Table-based event delivery (formerly known as queue bypass) uses a database table to deliver events from CEI to the monitor model. With table-based event delivery, the work can be distributed among multiple cluster members. For most environments, this method improves performance and simplifies the system configuration.

This lab will show you how to install a stand-alone monitor server onto machine 1. Then you will install a stand-alone process server on machine 2. Then you will configure the table-based connection.

You will not need an LDAP server since you will use the built-in VMM file based repositories.

Part 1: Install Monitor server on machine 1

Install a stand-alone Monitor server on machine 1.

- 1. Unzip the IBM Business Monitor files to your disk, to a folder such as \MonitorImage.
- _____ 2. Run launchpad.exe in \MonitorImage.
- _____3. On the left navigation pane of the launchpad, make sure that **IBM Business Monitor** is selected, then click the **Install** button.
- _____4. Review the list of installation packages, then click Next.
- 5. Click to accept the license agreement and click **Next**.
- 6. Review the shared resources directory and installation manager directory, then click Next.
- _____7. Review the package group name and installation directory, then click **Next**.
- 8. In the next panel, click the Expand All button to see all the features. You should take the default selections. Do not select any of the profile options, since you will use the profile management tool to create the profile later. Click Next.
- 9. Review the DB2 credentials, then click **Next**.
- 10. In the next panel, verify the installation summary. Click **Install** to continue with the installation. The **IBM Business Monitor V7.5** installation progresses.
- 11. When the installation is complete, select the radio button for **Profile Management Tool** and click **Finish**.

Part 2: Create IBM Business Monitor stand-alone profile

In this part of the lab, you will create a IBM Business Monitor stand-alone profile.

- 1. If not already started, launch the Profile Management Tool
 - ____a. You may have started it from the launch pad. If not, then from the start menu, select IBM → Business Monitor 7.5 → Profile Management Tool
- 2. Click the Launch Profile Management Tool button
- _____ 3. Click the Create... button.
- 4. In the Environment Selection panel, expand IBM Business Monitor and select Stand-alone monitor server
- ____5. Click Next
- 6. In the Profile Creation Options panel, select the radio button for Advanced profile creation
- ____7. Click Next
- 8. In the **Optional Application Deployment** panel, take the defaults.
- ____ 9. Click Next
- 10. In the **Profile Name and Location** panel, specify the profile name, profile directory path. You can take the defaults for all options on this page.
- _____ 11. Click Next
- _____12. In the **Node and Host Names** panel, you should be able to take the defaults.
- ____ 13. Click Next
- 14. In the **Administrative Security** panel, select the check box for **Enable administrative security** and then enter the administrative user name and password. Use **admin** for the user name and use **admin** for the password. For remote CEI to work, these must match the administrative user name and password for the remote CEI server. Later you will perform a typical BPM install which will automatically set the user name and password to 'admin'.
- _____ 15. Click Next
- _____16. In the Security Certificate (Part 1) panel, accept the defaults
- ____ 17. Click Next
- _____ 18. In the Security Certificate (Part 2) panel, accept the defaults
- ____ 19. Click Next
- 20. In the **Port Values Assignment** panel, review the ports assigned. Normally you can take the defaults. If you change them, ensure that the port numbers do not conflict with other services running on this machine.
 - ____21. Click Next
- 2011 September, 26

- 22. In the Windows Service Definition panel, clear the check box for Run the business monitor process as a Windows service
- ____ 23. Click Next
- _____ 24. In the Web Server Definition panel, clear the check box for Create a Web server definition
- _____ 25. Click Next
- 26. In the IBM Business Process Manager Monitor Models panel, you should select to deploy the global process monitor model and the human task monitor model only if you have already installed IBM Process Server.
- _____ 27. Click Next
- _____ 28. In the Database Design panel, take the defaults
- _____ 29. Click Next
- 30. In the **Database Configuration** panel, enter the information below:
 - ___a. Database product: DB2 Universal Database
 - ____b. Database name : MONITOR
 - ___ c. Schema name : MONITOR
 - ____ d. Optionally select the check box for Delay execution of database scripts (if using a remote database)
 - ___e. Click Next
 - _ 31. In the Database Configuration (Part 2) panel, enter the additional database configuration information:
 - ____a. Enter the user name and password for the database
 - ____b. For the remainder you can take the defaults
 - ___ c. Click Next.
- 32. In the **Cognos Configuration** panel, you can take the defaults
- _____ 33. Click Next
- _____ 34. In the **Profile Creation Summary** panel, verify the information
- _____ 35. Click Create
- _____ 36. After the profile creation is complete, click **Finish** then close the profile management tool.
- _____ 37. Start the monitor server.
 - ____a. Programs > IBM > Business Monitor 7.5 > Profiles > WBMon01 > Start the server.

Part 3: Install process server on machine 2

Install a stand-alone process server on machine 2.

- 1. Unzip the IBM Business Process Manager Advanced files to your disk, to a folder such as \BPMImage.
- _____ 2. Run launchpad.exe in \BPMImage.
- _____ 3. On the welcome page, click Install using typical installer
- 4. Select Install Process Center
- ____ 5. Click Next
- _____6. Verify the name of the host and the installation location.
- ____7. Click Next
- _____ 8. Select to install DB2 Express
- _____9. Click Next
- _____ 10. Accept the license agreement then click **Install Software**
- 11. On the progress screen you can verify the server and database users and passwords. For remote CEI to work, the administrative user name and password must match the administrative user name and password for the monitor server. You setup the monitor server with 'admin' for the user name and password and now the BPM server will be setup with the same.
- _____ 12. When prompted to start the first steps, you can reply No.
- _____ 13. Click **Exit** to end the launchpad.
- ____ 14. Start the server.

_____a. Programs > IBM > BPM Advanced 7.5 > Profiles > ProcCtr01 > Start the server.

Part 4: Configure single sign-on and SSL on monitor server on machine 1

- 1. Configure 'Single Sign-on' on monitor server on machine 1.
 - ____a. In the administrative console, navigate to Security > Global security > Authentication section > Web and SIP security > click the 'Single sign-on (SSO)' link
 - ____b. In the 'Single sign-on (SSO)' panel, do the following:
 - 1) Select the check box for 'Enabled'
 - 2) Ensure the check box for 'Requires SSL' is NOT selected
 - 3) Enter your domain name, for example, ibm.com
 - 4) Select the check box for 'Interoperability Mode'
 - 5) Clear the check box for 'Web bound security attribute propagation'
 - 6) Click OK.
 - ____ c. Click to save the configuration.
 - ____ d. On the Global security page, find the Authentication section, then click the link LTPA
 - 1) Enter a password such as 'monitor' and the same for the confirm password
 - 2) Enter the key file name such as 'C:\monitor.key'
 - 3) Click the 'Export Keys' button. This action exports a key file to the specified location.
 - 4) Click Ok
 - ____e. Click to save the configuration.
- ____ 2. Setup SSL on monitor server on machine 1.
 - ____a. In the administrative console, navigate to Security > SSL certificate & key management > Key stores & certificates
 - ___b. Click NodeDefaultTrustStore > Signer certificates > Retrieve from port
 - ____ c. For the host name, enter the remote CEI server machine name. For example, aimcp096.austin.ibm.com.
 - ____ d. Enter the remote server port. For example, 8880
 - 1) You can verify the remote port by logging into the remote server administrative console and navigating to Servers > Server Types > WebSphere Application Servers > Server1 > Ports.
 - ____ e. Enter the alias, for example 'bpm'

____f. Click to retrieve signer information.

Retrieved signer information
Serial number
81543256427842
Issued to
CN=aimcp096.austin.ibm.com, O=IBM, C=US
Issued by
CN=aimcp096.austin.ibm.com, O=IBM, C=US
Fingerprint (SHA digest)
CE:28:52:AB:38:45:04:1A:4B:EB:A3:C5:A5:72:4A:5A:7A:47:91:6A
Validity period
November 14, 2023

- ___ g. Click Ok.
- ____h. Click to save the configuration.
- __ i. In the administrative console, navigate to Security > SSL certificate & key management > Manage endpoint security configuration.
- ____j. For the inbound event node, navigate to Inbound > <yourCell> > nodes > then click the node link
- 🗆 Inbound

 WSBETA147Node01Cell
 nodes
 WSBETA147Node01(NodeDefaultSSLSettings,default)
 ervers
 MONITOR.WSBETA147Node01Cell.Bus CommonEventInfrastructure_Bus

____k. Make sure you have the default SSL configuration and the default alias:

Specific SSL configuration for this endpoint SSL configuration NodeDefaultSSLSettings
Upd. Certificate alias in key store cefault

__ I. Click OK.

___ m. For the inbound event node server, navigate to Inbound > <yourCell> > nodes > <yourNode> > servers > then click the server1 link

```
🗆 Inbound
```

 WSBETA147Node01Cell
 nodes
 WSBETA147Node01(NodeDefaultSSLSettings,null)
 servers
 Server1
 MONITOR.WSB_A147Node01Cell.Bus CommonEventInfrastructure Bus

Specific SSL configuration for this endpoint
\square Override inherited values
SSL configuration NodeDefaultSSLSettings 💌 Upd
Certificate alias in key store (none) 💌

___n. Make sure that override is unchecked:

- ___o. Click OK.
- ____p. Perform the same checks and updates for the outbound event node and server.
- ____ q. Save the configuration.
- ___ r. Navigate to Security > Global security > Authentication section > RMI/IIOP security > CSIv2 inbound communications
- ____s. Select 'Propagate security attributes'
- ____t. Select 'Use identity assertion'
- ____u. Set 'Trusted identities' to '*'.

<u>Global security</u> > CSIv2 inbound communications
Use this panel to specify authentication settings for re are accepted by this server using the Object Managem authentication protocol.
CSIv2 Attribute Layer
Propagate security attributes
🗹 Use identity assertion
Trusted identities

___ v. Click OK

G

- ____ w. Navigate to Security > Global security > Authentication section > RMI/IIOP security > CSIv2 outbound communications
- ____x. Select 'Propagate security attributes'
- ____ y. Select 'Use identity assertion'
- ____ z. Select 'Use server trusted identity'

o	bal	security	>	CSIv2	outbound	communications

Use this panel to specify authentication settings for requinitiated by the server using the Object Management Gropotocol.

CSIv2 Attribute Layer

Propagate security attributes

🔽 Use identity assertion

🖲 Use server trusted identity

C Specify an alternative trusted identity

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- ___ aa. Click Apply
- ____bb. Click the link 'Trusted authentication realms outbound'
- ___ cc. Select 'Trust all realms (including those external to this cell)'

Jse this p an be use nessages xternal R an externa	, inel to specify which realms have outbound trust. The RMI/IIOP protocol d to send messages to trusted realms and cannot be used to send to untrusted realms. All realms in this cell display below. Use the Add ealm button to add trust for realms that are external to this cell. Marking I realm as untrusted will remove it from this panel.
Trust Trus O Trus	t all realms (including those external to this cell) t realms as indicated below

- ___ dd. Click Apply
- ____ee. Save the configuration.
- ___ ff. Restart the server.
- ___ gg. Check SystemOut.log for errors.

Part 5: Configure single sign-on and SSL on process server on machine 2

- 1. Copy the monitor.key file from machine 1 to machine 2. In this example it is copied to machine 2 at location C:\monitor.key.
- 2. Configure 'Single Sign-on' on process server on machine 2.
 - ____a. In the administrative console, navigate to Security > Global security > Authentication section > Web and SIP security > click the 'Single sign-on (SSO)' link
 - ____b. In the 'Single sign-on (SSO)' panel, do the following:
 - 1) Select the check box for 'Enabled'
 - 2) Ensure the check box for 'Requires SSL' is NOT selected
 - 3) Enter your domain name, for example, ibm.com
 - 4) Select the check box for 'Interoperability Mode'
 - 5) Clear the check box for 'Web bound security attribute propagation'
 - 6) Click OK.
 - ____ c. Click to save the configuration.
 - ____d. On the Global security page, find the Authentication section, then click the link LTPA
 - 1) Enter a password such as 'monitor' and the same for the confirm password
 - 2) Enter the key file name such as 'C:\monitor.key'
 - 3) Click the 'Import Keys' button.



- 4) Click Ok
- ____e. Click to save the configuration.
- ____ 3. Setup SSL on process server on machine 2.
 - ____ a. In the administrative console, navigate to Security > SSL certificate & key management > Key stores & certificates
 - ___b. Click NodeDefaultTrustStore > Signer certificates > Retrieve from port
 - ____ c. For the host name, enter the monitor server machine name. For example, wsbeta147.austin.ibm.com.
 - ____ d. Enter the remote server port. For example, 8880

- You can verify the monitor server port by logging into the monitor server administrative console and navigating to Servers > Server Types > WebSphere Application Servers > Server1 > Ports.
- ____e. Enter the alias, for example 'mon'
- ____f. Click to retrieve signer information.

tetrieved signer information	
Serial number	
68251877823840	
Issued to	
CN=WSBETA147.austin.ibm.com, O=IBM, C=US	
Issued by	
CN=WSBETA147.austin.ibm.com, O=IBM, C=US	
Fingerprint (SHA digest)	
FC:30:8E:06:18:AE:9E:33:F9:1F:79:D1:F8:7D:56:EC:CC:27:AC:EF	
Validity period	
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	_

- ___ g. Click Ok.
- ____h. Click to save the configuration.
- _____i. In the administrative console, navigate to Security > SSL certificate & key management > Manage endpoint security configuration.
- ____j. For the inbound event node, navigate to Inbound > <yourCell> > nodes > then click the node link
- ____k. Make sure you have the default SSL configuration and the default alias:

Specific SSL configuration for this endpoint
SSL configuration
NodeDefaultSSLSettings 🔽 🗖 Opu.
Certificate alias in key store

I. For the inbound event node server, navigate to Inbound > <yourCell> > nodes > <yourNode> > servers > then click the server1 link

	Specific SSL configuration for this endpoint Override inherited values
	SSL configuration NodeDefaultSSLSettings 💌 Upc
-ked:	Certificate alias in key store (none) 💌

- ____m. Make sure that override is unchecked:
- ____n. Perform the same checks and updates for the outbound event node and server.
- ____o. Save the configuration.
- _ p. Navigate to Security > Global security > Authentication section > RMI/IIOP security > CSIv2 inbound communications

- ____ q. Select 'Propagate security attributes'
- ___ r. Select 'Use identity assertion'
- ____s. Set 'Trusted identities' to '*'.

Global security > CSIv2 inbound communications Use this panel to specify authentication settings for re are accepted by this server using the Object Managem authentication protocol.

CSIv2 Attribute Layer

Propagate security attributes

Use identity assertion

Trusted identities

- ____t. Click OK
- ____ u. Navigate to Security > Global security > Authentication section > RMI/IIOP security > CSIv2 outbound communications
- ____v. Select 'Propagate security attributes'
- ____w. Select 'Use identity assertion'
- ____x. Select 'Use server trusted identity'

<u>Global security</u> > CSIv2 outbound communications

Use this panel to specify authentication settings for requinitiated by the server using the Object Management Gropotocol.

CSIv2 Attribute Layer

- Propagate security attributes
- 🗹 Use identity assertion
 - Use server trusted identity

 $\ensuremath{\mathbb{C}}$ Specify an alternative trusted identity

- ____y. Click Apply
- ____ z. Save the configuration.
- ____aa. Restart the server.
- ____bb. Check SystemOut.log for errors.

Part 6: Run the queue bypass script on the remote server on machine 2

1. From the <profile_root>\bin folder of the remote CEI server, run wbmConfigureQueueBypass-Datasource. Here is a sample. You will need to substitute the correct cell name of your monitor server, and you need to substitute the correct server name. Note that if you try to copy and paste from here to the command line on your server, the dashes may not copy properly, so you may need to overtype them.

To run the script interactively:

wsadmin -lang jython

AdminTask.wbmConfigureQueueBypassDatasource('[-interactive]')

AdminConfig.save()

To run the script with parameters, here is an example:

wsadmin -lang jython

```
AdminTask.wbmConfigureQueueBypassDatasource('[-monitorCell
WSBETA147Node04Cell -databaseType db2 -jdbcProvider "DB2 Universal
JDBC Driver Provider (XA)" -driverType 4 -databaseName MONDB -
databaseServerName dbsrv3 -databaseServerPort 50000 -user db2admin -
password yourpw]')
```

AdminConfig.save()

WASX72781: Generated command line: AdminTask.wbmConfigureQueueBypassDatasource(' [-monitorCell WSBETA147Node04Cell -databaseType db2 -jdbcProvider "DB2 Universal JDBC Driver Provider (XA)" -driverType 4 -databaseName MON7CC -databaseServerNa me wsbeta147.austin.ibm.com -databaseServerPort 50000 -user db2admin -password * ****]') "CWMTC05301: The data source named 'Monitor_WSBETA147Node04Cell_Routing_Database ' was created."

- ____ 2. Check that the data source was created.
 - ____a. On the remote server's administrative console, navigate to Resources > JDBC > Data sources. You should see the routing database entry in the list.

Monitor WSBETA147Node01Cell Routing Database	jdbc/wbm/WSBETA147Node01Cell /MonitorDatabase	Cell=aimcp096Node02Cell
--	--	-------------------------

- _____ 3. Restart the process server.
- 4. Test the JDBC connection.
 - ____a. On the remote server's administrative console, navigate to Resources > JDBC > Data sources.
 - ____b. Click the 'Monitor <yourCell> Routing Database' in the list.
 - ____ c. Click the button 'Test connection'.

Ξ	Messages
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➡ The test connection operation for data source Monitor_WSBETA147Node01Cell_Routing_Database on server server1 at node aimcp096Node03 was successful.

Part 7: Install the Clips And Tacks BAM monitor model on the monitor server on machine 1

- 1. On monitor server's administrative console, install the Clips And Tacks model EAR, and specify the remote CEI server configuration.
 - ____a. Navigate to Applications > New application > New enterprise application
 - ___b. Browse to the ear file, C:\Labfiles75\RemoteCEIServer\ClipsAndTacksApplication.ear
 - ___ c. Click Next.
 - ____ d. Make sure that you select 'Detailed'.

eparing f	or the application installation
How do	you want to install the application?
O Fai O De	st Path - Prompt only when additional information is required. tailed - Show all installation options and parameters.
⊕ Choos	se to generate default bindings and mappings
Previo	ous Next Cancel

- ____e. Click Next. Click Continue.
- ____f. In step 13 (Select monitor model CEI options) specify the remote CEI server.
 - 1) Click location remote, and enter your remote CEI server name and port. For example, aimcp096.austin.ibm.com, 2809.
 - a) You can verify the remote CEI server port by logging into the remote server administrative console and navigating to Servers > Server Types > WebSphere application servers > Server1 > Ports.
 - 2) Click security enabled, and enter the user name and password for the server
 - 3) Click the button 'refresh list' on the page, and you should see that the events group profile list is updated with the remote cell:

Event group profile list name

Select	Event group profile list name	Scope
V	Event groups list	cell=aimcp096Node02Cell, node=aimcp096Node03, server=server1

4) For distribution mode, verify that 'Active (Table-based event delivery)' is selected on this page

Distribution mode

- C Active (Queue-based event delivery)
- Active (Table-based event delivery)
- O Inactive
- _ g. Finish the installation and verify that it completes successfully:

SECJ0400I: Successfuly updated the application ClipsAndTacksApplication with the appContextIDForSecurity information.

ADMA50111: The cleanup of the temp directory for application ClipsAndTacksApplication is complete.

ADMA5013I: Application ClipsAndTacksApplication installed successfully.

Application ClipsAndTacksApplication installed successfully.

To start the application, first save changes to the master configuration.

Changes have been made to your local configuration. You can:

- <u>Save</u>directly to the master configuration.
- <u>Review</u> changes before saving or discarding.
- ____h. Save the configuration.
- _____i. Check SystemOut.log for errors. Here is a sample of messages for a successful installation:
 - 1) WSVR0221I: Application started: ClipsAndTacksApplication
 - 2) CWMLC0804I: ***** 'GENERAL' integration sequence is COMPLETE. modeIID: 'ClipsAndTacks'
 - CWMRT3005I: The Monitor Model "ClipsAndTacks 20070911120730" (codegen:MONX.MONBME [o1120.09], library:MONX.MONBME [o1120.09]) is activating on this application server or cluster member in SCALABLE mode with reordering=false from INCOMING_EVENT_TABLE:20070911120730.
- _ 2. The application will start automatically after installation, so stop it. In the administrative console, navigate to Applications > Application Types > WebSphere enterprise applications > ClipsAnd-TacksApplication. Select it and click Stop. Leave the application in stopped status so that the model will leave the events in the inbound event table, so then you can easily check that the remote event configuration is working.

Part 8: Run events on the remote CEI server on machine 2

The supplied program is 'BatchCBEWriter61' and it will submit the events to the Common Event Infrastructure. Look for the program in \Labfiles75\ClipsAndTacks\BatchCBEWriter. This program reads XML files which represent the common base events for the model.

You should run this program on the process server not the monitor server in order to test that the remote CEI configuration is working properly.

- 1. Update BatchCBEWriter61.bat to point WAS_HOME to the CEI server home, for example 'set WAS_HOME=C:\IBM\BPM\v75'.
- 2. Update config.properties, setting the serverName and portNumber. You can find the port number by browsing the server log and finding 'bootstrap port'. For example, check for the log at C:\IBM\BPM\v75\profiles\ProcCtr01\logs\server1\SystemOut.log. Here is an example of the config.properties settings:
 - _____a.connect.serverName = localhost
 - ____b.connect.portNumber = 2809
- ____3. Open a command window, then change directory to the folder containing BatchCBEWriter61, for example, type this command
 - ____a. cd \Labfiles75\BatchCBEWriter
 - _4. Run commands to load the common base events to the server.
 - ____a. batchcbewriter61 -Dsource.filename=allevents.xml
 - ____b. When it prompts you for user identity and password, enter 'admin' for both (without the quotation marks)
 - 5. When you run BatchCBEWriter61, you should see results such as:

C:\Labfiles70\BatchCBEWriter>batchcbewriter61	-Dsource.filename=allevents.xml
Getting CBEs.	
Getting Emitter.	
Removing GlobalInstanceIds.	
Setting missing values.	
Changing Instance Ids.	
Updating timestamps.	
Validating CBEs.	
Sending CBEs.	
START=12:39:48.843	
Sending cbe[10].	
Sending cbe[20].	
Sending cbe[30].	
Sending cbe[40].	
Sending cbe[50].	
Sending cbe[60].	
END=12:40:11.734	
TotalTime=22891 milliseconds.	

- ____6. Check the logs on monitor server and process server for errors.
- ____7. Since the Clips and Tacks application is stopped the events should stay in the incoming events table. On the monitor server, open the DB2 control center, and navigate to the INCOMING_EVENTS

table. Open the table to view the 68 event records that were submitted:

💑 Open Table - INCOMING_EVENTS								
WSBETA147 - DB2 - MON7CC - CLIPSANDTACKS.INCOMING_EVENTS								
Edits to these results are performed as searched UPDATEs and DELETEs. Use the Tools Settings change the form of editing.								
ID ≑	VERSION 🔶	QUEUE_ID ⇔	OBSERVED ⇔	PAYLOAD_VARCHAF				
04	200702111207	acuve	0	A				
65	200709111207	active	0					
66	200709111207	active	0					
67	200709111207	active	0					
68	200709111207	active	0					
				•				
•				Þ				
Co <u>m</u> mit	<u>R</u> oll Back		<u>F</u> ilter	Fetch More Rows				
C Automatically	commit updates			68 row(s) in memory				

8. Start the ClipsAndTacksApplication on the monitor server, then wait a few minutes, then check the MCT_CLPSNDTCKSM_<timestamp> table in the DB2 control center for records. You should see 20 monitoring context instances. This means that the events were successfully processed by the monitor model and monitoring instances were created.

MCIID	¢	PARENT_MCIID ⇔	CREATION_TIME ⇔	TERMINATION_TIME ⇔	AB.
	1		Jan 14, 2010 6:39:4	Jan 1, 9999 12:00:00 A	
	2		Jan 14, 2010 6:39:4	Jan 14, 2010 6:39:48 P	
	3		Jan 14, 2010 6:39:4	Jan 1, 9999 12:00:00 A	
	4		Jan 14, 2010 6:39:4	Jan 1, 9999 12:00:00 A	
	5		Jan 14, 2010 6:39:4	Jan 14, 2010 6:39:48 P	
	6		Jan 14, 2010 6:39:4	Jan 1, 9999 12:00:00 A	
	7		Jan 14, 2010 6:39:4	Jan 1, 9999 12:00:00 A	
	8		Jan 14, 2010 6:39:4	Jan 14, 2010 6:39:48 P	
	9		Jan 14, 2010 6:39:4	Jan 1, 9999 12:00:00 A	
	10		Jan 14, 2010 6:39:4	Jan 14, 2010 6:39:48 P	
	11		Jan 14, 2010 6:39:4	Jan 14, 2010 6:39:48 P	
	12		Jan 14, 2010 6:39:4	Jan 1, 9999 12:00:00 A	
	13		Jan 14, 2010 6:39:4	Jan 1, 9999 12:00:00 A	
	14		Jan 14, 2010 6:39:4	Jan 1, 9999 12:00:00 A	
	15		Jan 14, 2010 6:39:4	Jan 14, 2010 6:39:48 P	
	16		Jan 14, 2010 6:39:4	Jan 1, 9999 12:00:00 A	
	17		Jan 14, 2010 6:39:4	Jan 14, 2010 6:39:48 P	
	18		Jan 14, 2010 6:39:4	Jan 1, 9999 12:00:00 A	
	19		Jan 14, 2010 6:39:4	Jan 1, 9999 12:00:00 A	
	20		Jan 14, 2010 6:39:4	Jan 14, 2010 6:39:48 P	

WSBETA147 - DB2 - MON7CC - CLIPSANDTACKS.MCT_CLPSNDTCKSM_20070911120730

Solution: 120730 - MCT_CLPSNDTCKSM_20070911120730

What you did in this exercise

You installed DB2 and a stand-alone monitor server onto machine 1. Then you installed a stand-alone process server on machine 2. Then you configured and verified the table-based connection. Also, you deployed a model and sent events from the remote server to the monitor server.