

IBM Tivoli Monitoring and Tivoli Netcool/OMNIBus

Sending Tivoli Monitoring events with Netcool/OMNIBus



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In this training module, you learn how to send an IBM Tivoli® Monitoring event using Tivoli Netcool/OMNIBus.

Tivoli Enterprise Monitoring Server open event

The screenshot shows the Tivoli Enterprise Monitoring Server interface in a Microsoft Internet Explorer browser window. The browser title is "Enterprise Status - Microsoft Internet Explorer". The address bar shows the URL: `http://sles10.tivlab.austin.ibm.com:1920/ncp/rdh/ibj/ncp.html?~1021A~ROOT&~5001~MOPHYSICAL&~12006~SYSADMIN&~10105~PHYSICAL_ENTERPRISE:621&~2400~%3C%3E&~`. The page header includes "Tivoli Enterprise Portal" and "Welcome SYSADMIN".

The main content area is divided into several sections:

- Navigator:** A tree view on the left showing the hierarchy of monitored systems, including "Enterprise", "Linux Systems", "sles10", "Linux OS", "Capacity Usage Information", "Disk Usage", "File Information", "Network", "Process", "System Information", "Users", and "Agent Management Services".
- Situation Event Console:** A table displaying the current event. The table has columns for Severity, Status, Owner, Situation Name, Display Item, Source, Impact, and Opened. The event shown is "missingubba" with a severity of "Critical" and a status of "Open".
- Open Situation Counts:** A small bar chart showing the number of open situations over time, with a yellow bar representing the current count.
- My Acknowledged Events:** A table for tracking acknowledged events, with columns for Severity, Status, Owner, Name, Display Item, Source, Impact, Opened, Local Timestamp, Type, UUID, Node, and Reference.

At the bottom of the page, there is a status bar showing "Hub Time: Wed, 11/11/2009 12:58 AM", "Server Available", and "Enterprise Status - sles10.tivlab.austin.ibm.com - SYSADMIN".

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Open an open event in Tivoli Enterprise Monitoring Server or Tivoli Monitoring. In this example, the event name is **missingubba**.

Tivoli Monitoring open event in Netcool/OMNIBus

Node	Alert Group	Summary	Last Occurrence
torpedo	GET_LOGIN_TOKEN	Attempt to login as root from host torpedo failed	10/11/09 10:25:02
sles10:LZ	ITM_KLZ_Process	logins[(SYSTEM.SEARCH(KLZPROC.COMD,"MISSING",N"bubba"))] ON sles10:LZ	10/11/09 14:28:17
torpedo	isql	A isql process running on torpedo has connected as usemane root	04/11/09 17:28:12
torpedo	isql	A isql process running on torpedo has connected as usemane root	04/11/09 17:25:18
torpedo	Unix Event List	A e@0930CCEE@092984F9:0.0 process e@0930CCEE@092984F9:0.0 running on t	10/11/09 14:00:29
torpedo	Unix Event List	A e@0930CCEE@092984B3:0.0 process e@0930CCEE@092984B3:0.0 running on	10/11/09 10:25:58
torpedo	Unix Conductor	A c@xxxxxxxx@xxxxxxxx:0.0 process c@xxxxxxxx@xxxxxxxx:0.0 running on to	10/11/09 10:25:38

0 row(s) inserted, 1 row(s) updated and 0 row(s) deleted.

10/11/09 14:28:55 root NCOMS[PRI]

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The event is displayed in the Netcool/OMNIBus Event List as **ITM_KLZ_Process**.

Tivoli Monitoring acknowledged event in Netcool/OMNibus

Node	Alert Group	Summary	Last Occurrence
torpedo	GET_LOGIN_TOKEN	Attempt to login as root from host torpedo failed	10/11/09 10:25:02
sles10-LZ	ITM_KLZ_Process	logins[([SYSTEM_SEARCH(KLZ?PROC.CMD,"MISSING","H"bubble")]) ON sles10-LZ	10/11/09 14:03:20
torpedo	isql	A isql process running on torpedo has connected as username root	04/11/09 17:28:12
torpedo	isql	A isql process running on torpedo has connected as username root	04/11/09 17:25:18
torpedo	Unix Event List	A e@0930CCEE@092984F9:0.0 process e@0930CCEE@092984F9:0.0 running on t	10/11/09 14:00:29
torpedo	Unix Event List	A e@0930CCEE@092984B3:0.0 process e@0930CCEE@092984B3:0.0 running on	10/11/09 10:25:58
torpedo	Unix Conductor	A c@xxxxxxxx@xxxxxxxx:0.0 process c@xxxxxxxx@xxxxxxxx:0.0 running on to	10/11/09 10:25:38

Summary bar: 0 (Green), 0 (Purple), 3 (Blue), 3 (Yellow), 1 (Orange), 0 (Red). All Events

No rows selected. 10/11/09 14:26:49 root NCOMS[PRI]

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Acknowledge the event in Netcool/OMNibus. The event is displayed as a darker color when it is acknowledged.

Resynchronized acknowledged event

The screenshot shows the Tivoli Enterprise Status web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `http://sles10.tivlab.austin.ibm.com:12011/omphd/ib/omph.html?1021A=ROOT&5001=MOPHYSICAL&12006=SYSADMIN&10105=PHYSICAL_ENTERPRISE:621&2400=%3C%3E`. The page title is "Enterprise Status - Microsoft Internet Explorer".

The main content area displays the "Situation Event Console (Paused)". A table lists the event details:

Severity	Status	Owner	Situation Name	Display Item	Source	Impact	Opened
Critical	Acknowledged	root	missingbubba		sles10.LZ	Linux OS	11/11/09 00:32:41

Below the event console, there is a "My Acknowledged Events" section with a table:

Severity	Status	Owner	Name	Display Item	Source	Impact	Opened	Local Timestamp	Type	UUID	Node	Referen
[Empty table body]												

The status bar at the bottom indicates "Hub Time: Wed, 11/11/2009 12:51 AM", "Server Available", and "Enterprise Status - sles10.tivlab.austin.ibm.com - SYSADMIN".

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The event is displayed with the status **Acknowledged** when it returns to the Tivoli Enterprise Monitoring system. Tivoli Monitoring is now synchronized with Netcool/OMNIBus.

Tivoli Monitoring synchronization logs

Tivoli Monitoring synchronization logs in the /tmp directory

- ROOT@TORPEDO /tmp->
- ls -al itm*
- -rw----- 1 root ncoadmin 0 11 Nov 16:08 itm_sync_error.cache
- -rwxr-xr-x 1 root ncoadmin 368 11 Nov 15:57 itmsyncerror.out
- -rw-r--r-- 1 root system 36000 19 Nov 15:37 itm_tec_event_sync_install.log
- itmsynch
- drwxr-xr-x 3 root system 256 03 Sep 13:54 .
- drwxrwxrwt 32 bin bin 16384 02 Dec 17:00 ..
- drwxr-xr-x 2 root system 256 02 Dec 13:02 logs
- ROOT@TORPEDO /tmp/itmsynch/logs->
- ls
- synch_msg.log synch_trace2.log synch_trace4.log
- synch_trace1.log synch_trace3.log synch_trace.log

The synchronization log for Netcool/OMNIBus can be displayed after the synchronization.

Summary

In this module, you learned how to send an IBM Tivoli Monitoring event using Tivoli Netcool/OMNIBus

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