



IBM Tivoli Netcool OMNibus 7.2

Accelerated event notification configuration



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Updated January 5, 2009

Hello, welcome to the Netcool® OMNibus 7.2 accelerated event notification configuration module.

Objectives

Upon completion of this module, you should be able to:

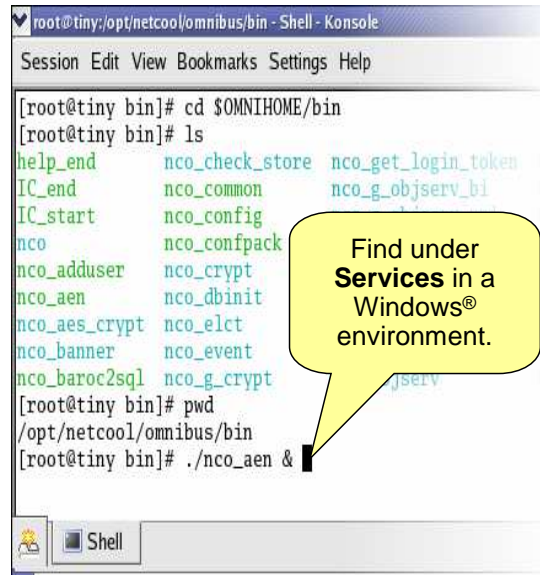
- ▶ Configure the client-side Accelerated Event Notification application
- ▶ Complete the Object Server Configuration for Accelerated Event Notifications



Upon completion of this module you should be able to configure the client-side accelerated event notification application and complete the object server configuration for accelerated event notifications.

Client application configuration

First you must locate and launch the client application.



The screenshot shows a terminal window titled "root@tiny:/opt/netcool/omnibus/bin - Shell - Konsole". The terminal output is as follows:

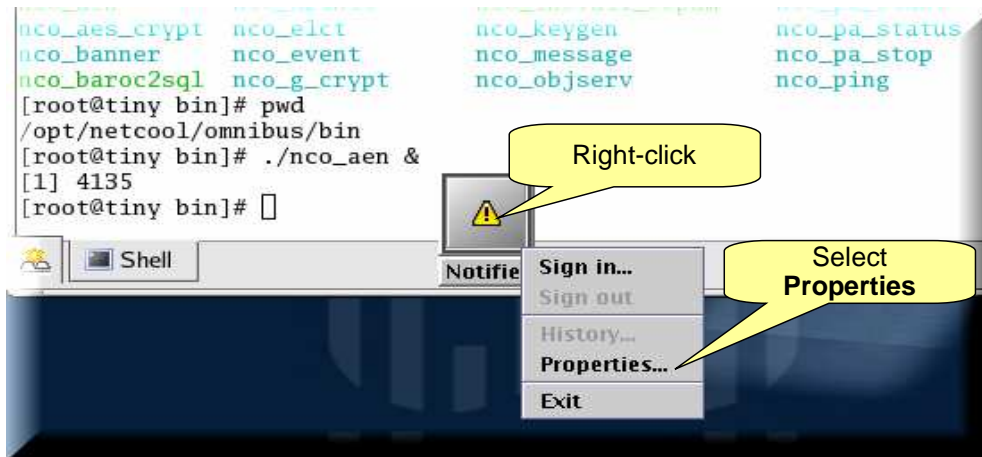
```
[root@tiny bin]# cd $OMNIHOME/bin
[root@tiny bin]# ls
help_end      nco_check_store  nco_get_login_token
IC_end        nco_common       nco_g_objserv_bi
IC_start      nco_config
nco           nco_confpack
nco_adduser   nco_crypt
nco_aen       nco_dbinit
nco_aes_crypt nco_elct
nco_banner    nco_event
nco_baroc2sql nco_g_crypt
[root@tiny bin]# pwd
/opt/netcool/omnibus/bin
[root@tiny bin]# ./nco_aen &
```

A yellow speech bubble points to the command `./nco_aen &` with the text: "Find under **Services** in a Windows® environment."

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Client application configuration

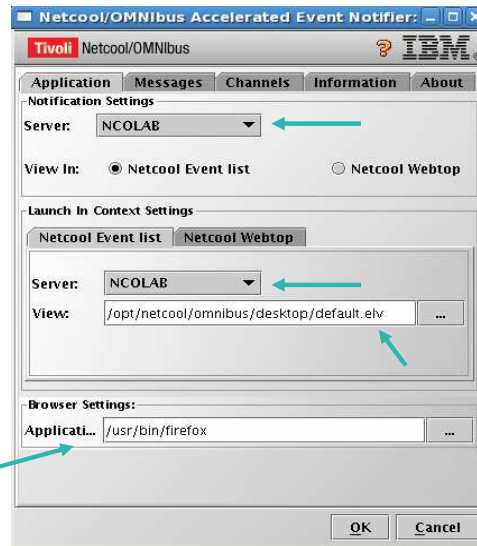
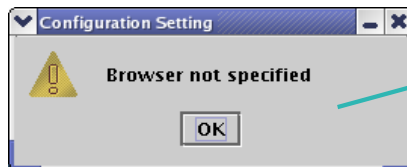
The accelerate event notification client window will open. Right-click the yellow triangle and select **Properties** from the list.



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Client application configuration

You might see a browser-not-specified window open. Click **OK** to continue. You will then see the client configuration window. Within the **Application** tab, you must set the notifications settings object server and portal view. In the context settings section, set the object server and event list view. In the browser section, set the path to your Web browser.

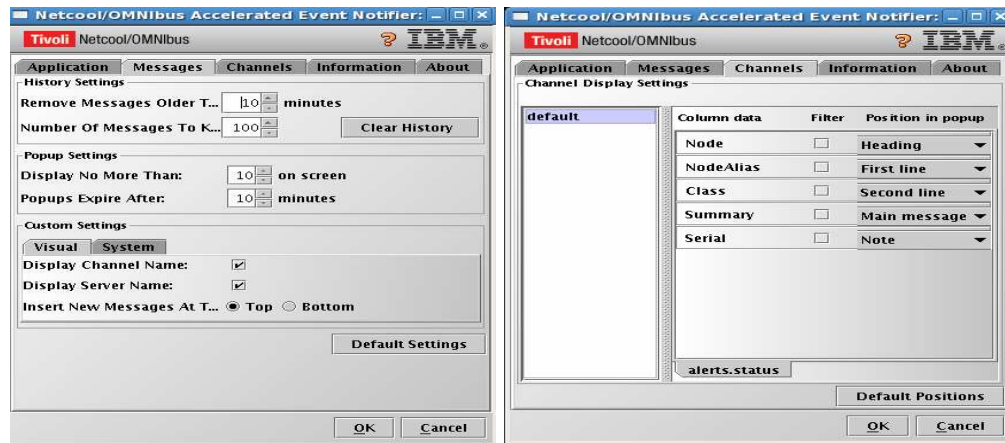


You might see a browser not specified window appear. Click **OK** to continue. You will then see the client configuration window. Within the **Application** tab you must set the notifications settings object server and portal view. In the context settings section, set the object server and event list view. In the browser section set the path to your Web browser.

Client application configuration

In the **Messages** tab, you can define how the AEN windows will open on your screen.

In the **Channels** tab, you would select the user-defined channel and any appropriate filters for that channel.



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Object server AEN configurations

Different object server configurations are possible. One method is to create a fast track within the probes rule file. In the following code example, fast track variables are set to indicate either a voice or data-accelerated notification.

```
## Now assign OwnerGID (Group) based on class. Web, DNS and Data
## are all assigned to the data group. Else - its assigned to
## the voice group. Note - OwnerGID is an int.
##
## Also, set the fast track flag to the proper group if alarm is
## severity >= 4.
switch( @Class )
{
  case '99004' | '99001' | '99002':
    @OwnerGID = 9      ## data
    if( int(@Severity) >= 4) {
      @FastTrack = 1    ## FT to data channel.
    }

  default:
    @OwnerGID = 8      ## voice
    if( int(@Severity) >= 4) {
      @FastTrack = 2    ## FT to voice channel.
    }
}
```

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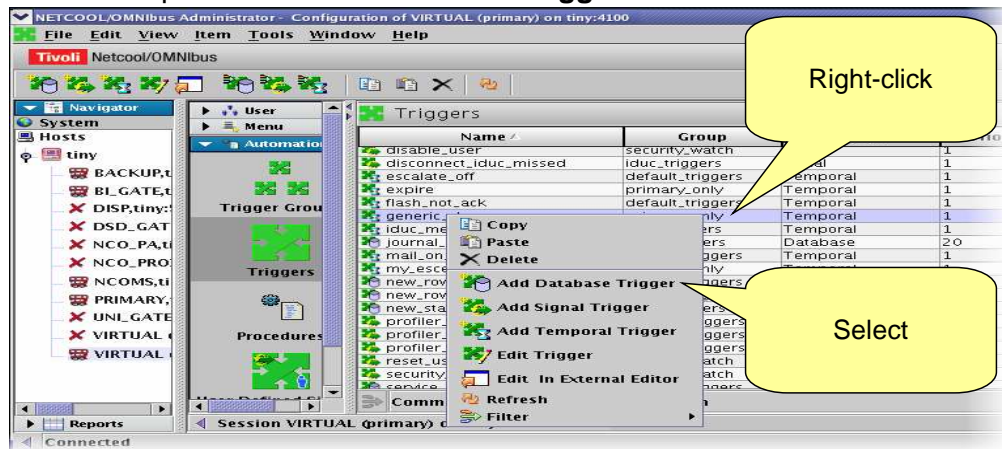
Accelerated event notification configuration

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Object server AEN configurations

You must define a database trigger to accommodate the information coming from the probe. Right-click in the **Triggers** field and select the menu option item **Add a database trigger**.



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Object server AEN configurations

Name the trigger, assign it to the default triggers group, and set the database parameters. In this instance you are setting the trigger to fire after a post-database insertion into the alerts.status table.

New Database Trigger (VIRTUAL (primary) on tiny:4100)

Database Trigger Details

Name: new_row_AEN

Group: default_triggers

Settings When Action Comment

On alerts status

Run

Priority: 1

☐ Pre database action

☒ Post database action

☐ Delete

☒ Insert

☐ Reinsert

☐ Update

Apply To

☒ Row ☐ Statement

State

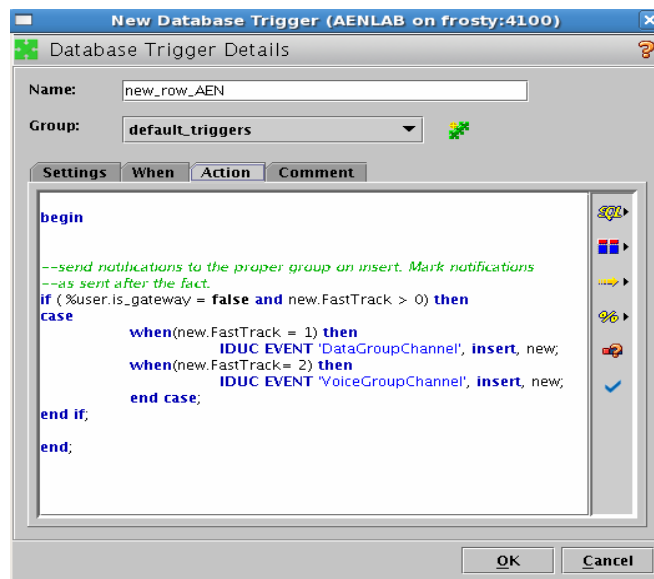
☐ Debug ☒ Enabled

OK Cancel

Name the trigger, assign it to the default triggers group, and set the database parameters. In this instance you are setting the trigger to fire after a post-database insertion into the alerts.status table.

Object server AEN configurations

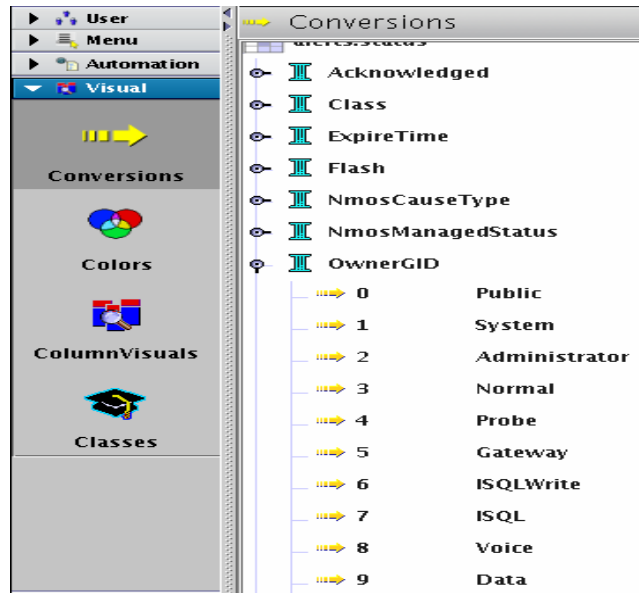
To complete the database trigger, you must define the action associated with this trigger.



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Object server AEN configurations

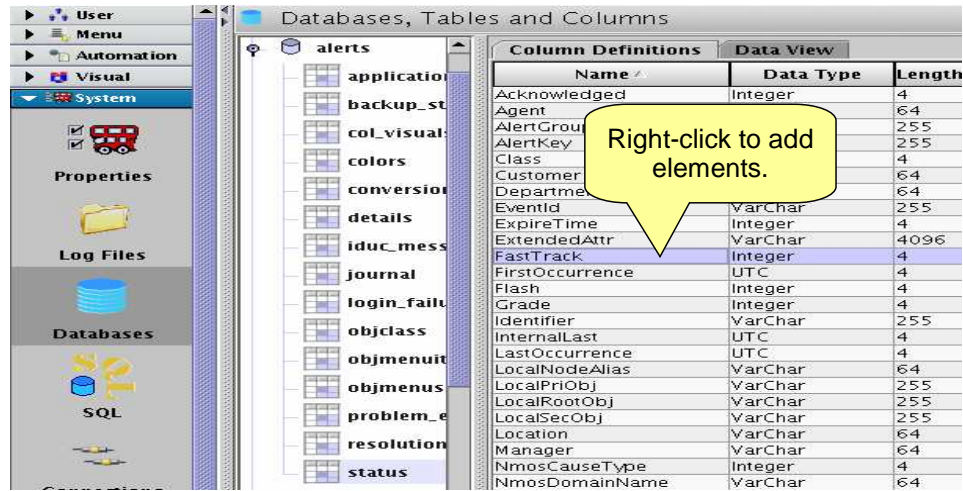
Ensure that you have your data conversions, voice conversions, and classes set within the **Visual** tab.



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Object server AEN configurations

In the **alerts.status** table, you must define your FastTrack variable element.



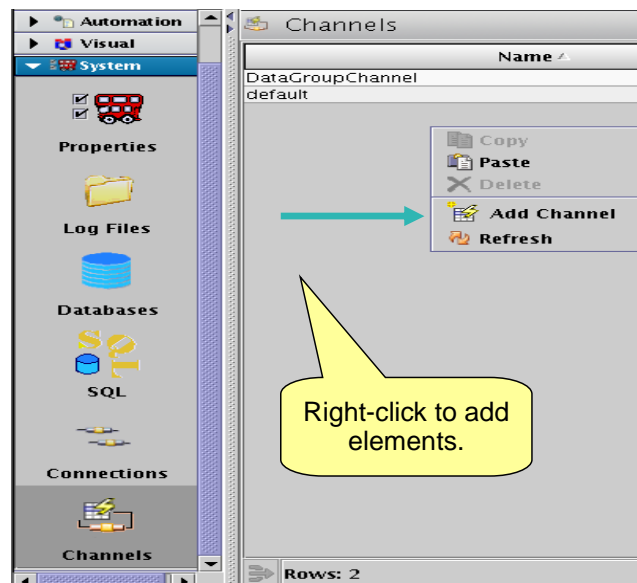
The screenshot shows the 'Databases, Tables and Columns' view for the 'alerts' table. The 'Column Definitions' tab is active, displaying a list of columns with their names, data types, and lengths. The 'FastTrack' column is highlighted in blue. A yellow callout bubble with the text 'Right-click to add elements.' points to the 'FastTrack' column.

Name	Data Type	Length
Acknowledged	Integer	4
Agent	Integer	64
AlertGroup	Integer	255
AlertKey	Integer	255
Class	Integer	4
Customer	Integer	64
Department	Integer	64
EventId	VarChar	255
ExpireTime	Integer	4
ExtendedAttr	VarChar	4096
FastTrack	Integer	4
FirstOccurrence	UTC	4
Flash	Integer	4
Grade	Integer	4
Identifier	VarChar	255
InternalLast	UTC	4
LastOccurrence	UTC	4
LocalNodeAlias	VarChar	64
LocalPriObj	VarChar	255
LocalRootObj	VarChar	255
LocalSecObj	VarChar	255
Location	VarChar	64
Manager	VarChar	64
NmosCauseType	Integer	4
NmosDomainName	VarChar	64

In the **alerts.status** table, you must define your FastTrack variable element.

Object server AEN configurations

The final element to configure in the object server is the fast track channels. Right-click in the **Channels** area and select **Add Channel**.



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Object server AEN configurations

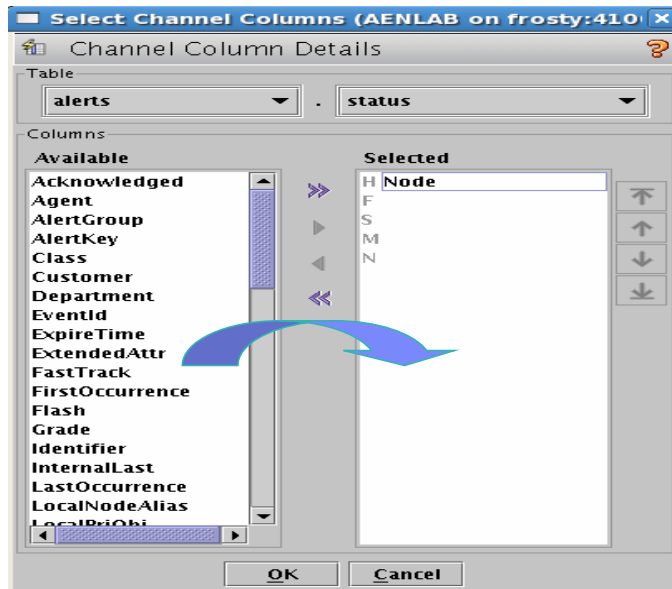
You must name and describe your channel. To add columns to this channel, select the Add Column icon at the bottom of the window.

The screenshot shows a window titled "New Channel (AENLAB on frosty:4100)". Inside, there's a "Channel Details" section with a "Name" field containing "VoiceGroupChannel" and a "Description" field containing "Channel for AEN voice group notifications". Below this is a table with columns "DatabaseName", "TableName", and "ColumnName". At the bottom right of the table area, there's an "Add Column" icon (a small square with a plus sign). A yellow callout bubble points to this icon with the text "Select Add Column icon.".

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Object server AEN configurations

Select and move into the **Selected** area the fields that you want to display in your accelerated event notifications.



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Training roadmap for *Netcool Tivoli OMNibus*

http://www.ibm.com/software/tivoli/education/edu_prd.html



There are other ways to configure accelerated event notifications. For further training follow this link.

Summary

- In summary, you have:
 - ▶ Configured the client-side Accelerated Event Notification application
 - ▶ Configured the Object Server elements for Accelerated Event Notifications
- Additional information regarding Accelerated Event Notification configuration can be found at:

http://publib.boulder.ibm.com/infocenter/tivihelp/v8r1/index.jsp?topic=/com.ibm.netcool_OMNibus.doc/7.2.1/admin/concept/omn_adm_aen_configuringaen.html

In summary you have configured the client side accelerated event notification application and configured the object server elements for accelerated event notifications. Additional information regarding accelerated event notification configuration can be found at the public.boulder.ibm.com Web site.

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