

How to configure Spectrum 9.x integration with Introscope

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PART I : On the APM/Introscope side :

One the Introscope EM side, add the below lines to the EM_HOME\config\Introscope Enterprise Manager.properties file:

```
introscope.alerts.extension.managementmodules.enable=ALL
introscope.alerts.extension.inventory.updatecheckintervalsecs=60
```

introscope.alerts.extension.managementmodules.enable is case sensitive, make sure to set it to ALL and not to all.

You must restart the Introscope EM.

IMPORTANT NOTES:

1. In APM v9, the Introscope SDK is part of the Introscope EM core product, there is no need to install any additional package.

https://support.ca.com/cadocs/1/CA%20Application%20Performance%20Management%209%201%201-ENU/Bookshelf_Files/HTML/APM_API_Reference_EN/index.htm

CA Introscope Web Services API Framework

An upgrade to CA APM 9.1.0 removes any CA APM SDK/API files that were previously deployed for web services integration with other CA applications. For more information, see the section on "Non-upgraded files" in the CA APM Install and Upgrade Guide.

Important! *The integration of the formerly separate CA Introscope web services SDK with CA APM is available in the Enterprise Manager. Customers with CA APM already have the CA APM web services plug-in (com.wily.apm.webservices_9.1.0.jar) and the Introscope Alerts Extension (com.wily.introscope.alerts.extension_9.1.0.jar). These plug-ins are deployed to the Enterprise Manager automatically.*

2. Regarding the "Spectrum Trap Generation Plugin" to enable the enhanced alerting capability.

- ➔ If you are using EM 9.0.6.2 and higher version or 9.1 x versions, this plug-in is already part of the Introscope Workstation, so there is no need to install it anymore.
- ➔ If you are using a Pre-9.0.6.2 or or Pre-8.2.4.0 version, you must use the "RO28562 - WIN - CA APM SNMP ALERT ACTION PLUGIN" instead of the plugin bundle with Spectrum Wily integration package. The main reason is that the Spectrum action is not thread safe and can therefore produce incorrect results. The SNMP Alert Action is thread safe.

RO28562, can be downloaded from

a) CA Support Online:

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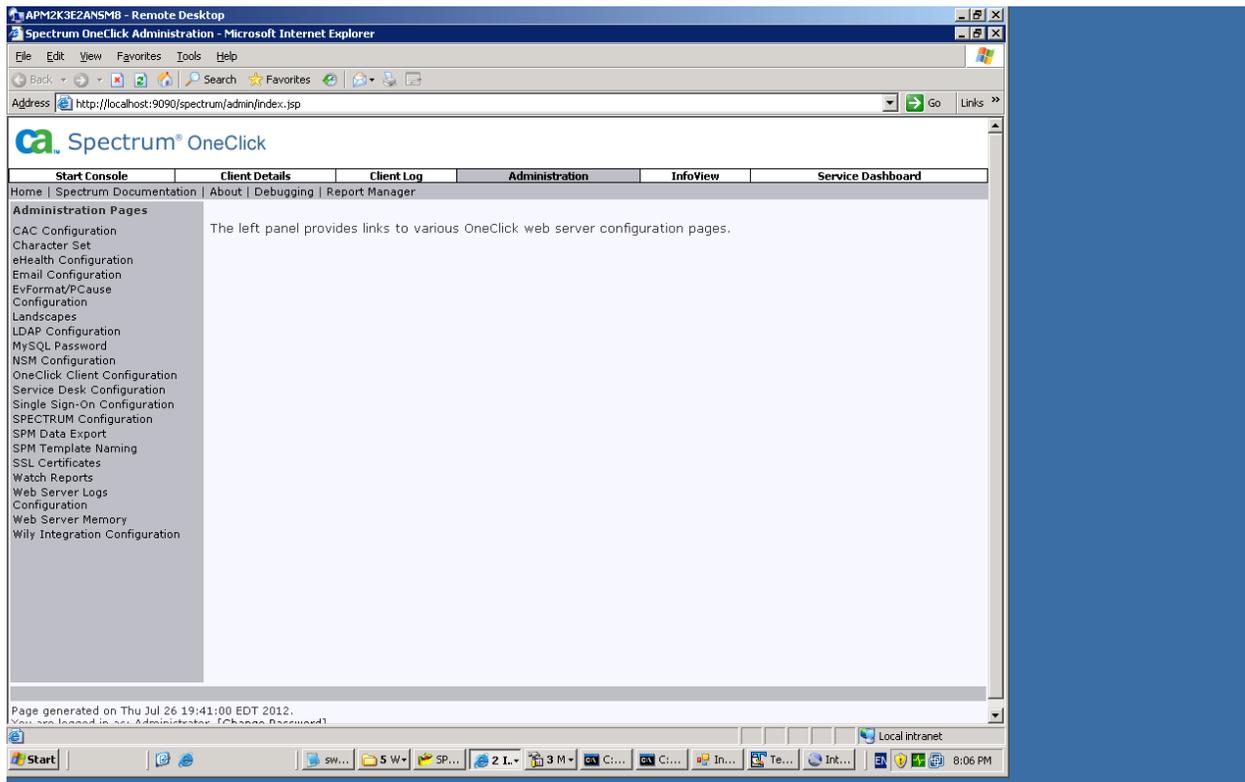
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Option b) <ftp://ftp.ca.com/CAproducts/SAM/nt/GA/RO28562/>

PART II : On the Spectrum side:

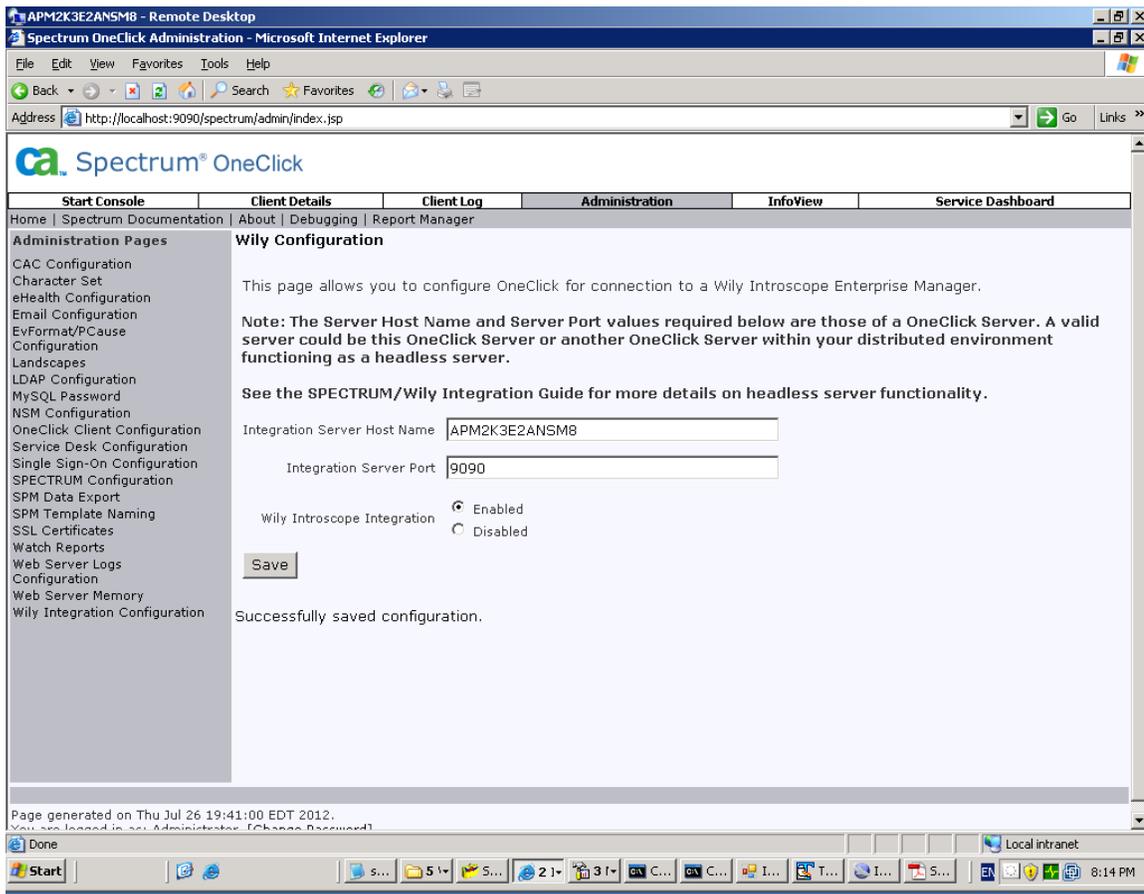


Login to the Spectrum UI.

Select Administration > Wily Integration configuration

Enter OneClick server name and port of tomcat instance that you are planning to use for the integration - in my example, all is in 1.

Make sure to click to the "Save" button.



Click on start Console tab -- login Administrator/spectrum

Click on <your servername> | Universe , then on the pane click on Topology , click on the + sign

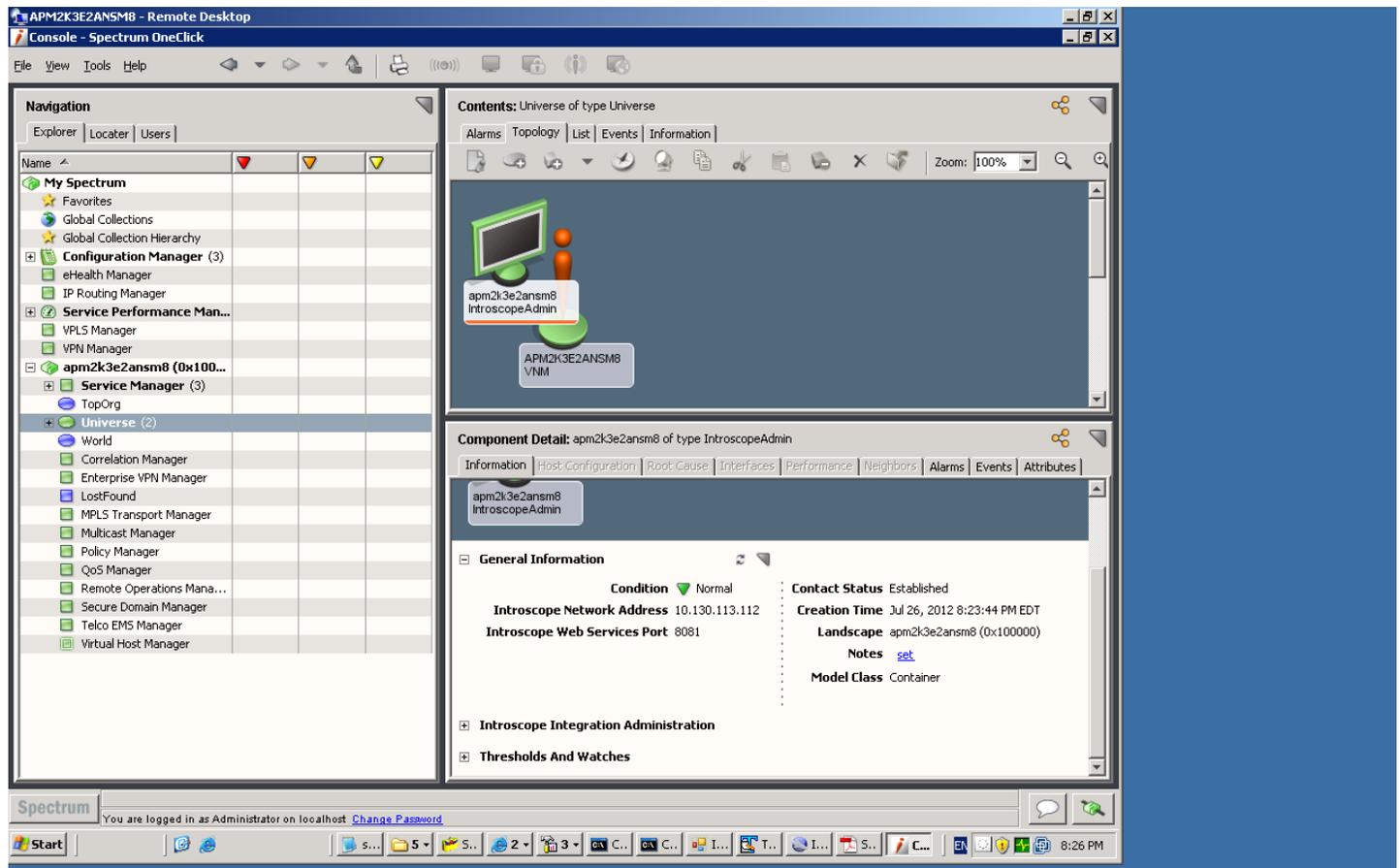
Click on IntroscopeAdmin

The screenshot shows the Spectrum OneClick console interface. On the left is the 'Navigation' pane with a tree view containing 'My Spectrum', 'Configuration Manager (3)', 'Service Performance Man...', 'apm2k3e2ansm8 (0x100...', 'Service Manager (3)', and 'Universe (1)'. The 'Universe (1)' folder is expanded, showing 'World' and various managers. The main 'Contents' pane displays 'Universe of type Universe' with tabs for 'Alarms', 'Topology', 'List', 'Events', and 'Information'. A 'Select Model Type - Spectrum OneClick' dialog box is open, showing a list of model types. 'IntroscopeAdmin' is highlighted in the list. Other model types include ATM_Network, BbSrvContainer, CCurResMgr, ESChasCont, EventAdmin, FDDI, IPClassA, IPClassB, IPClassC, LAN, LAN_802_3, LAN_802_5, Network, SeaChangeMgr, SmSwChasCont, SunBCPChasCont, WWA_Link, and WAN. The dialog has 'OK' and 'Cancel' buttons. Below the dialog, the 'VLAN Configuration' and 'Thresholds And Watches' sections are visible. The status bar at the bottom shows 'Spectrum' and 'You are logged in as Administrator on localhost Change Password'.

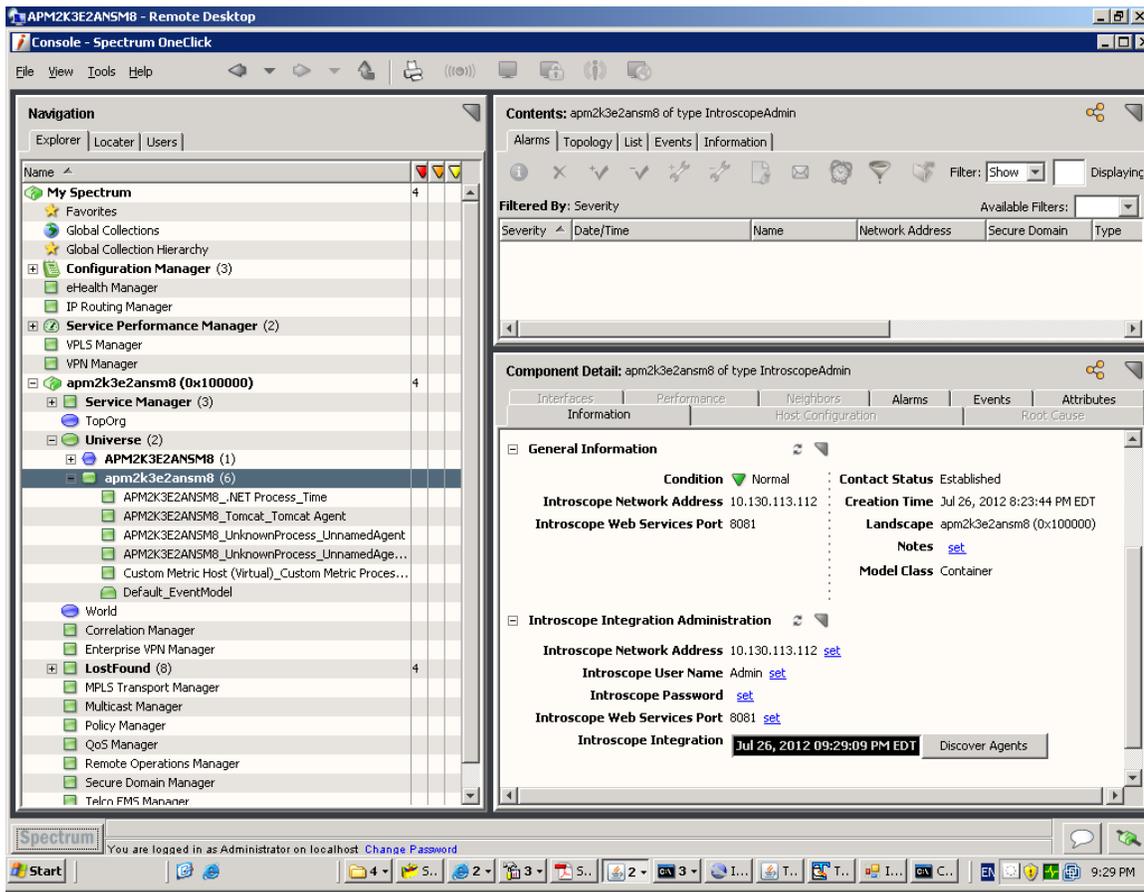
enter name and Ip address of the server hosting the introscope EM

The screenshot shows the Spectrum OneClick console interface with the 'Create Model Of Type IntroscopeAdmin - Spectrum OneClick' dialog box open. The dialog has two input fields: 'Name' with the value 'apm2k3e2ansm8' and 'Introscope Network Address' with the value '10.130.113.112'. There are 'OK' and 'Cancel' buttons. In the background, the 'Contents' pane shows a 3D map with a red pin. Below the map, the 'Condition' section is expanded, showing details for the model: 'Subnet Address', 'Subnet Mask' (0.0.0.0), 'Creation Time' (Jul 26, 2012 7:30:27 PM EDT), 'Landscape' (apm2k3e2ansm8 (0x100000)), 'Security String', 'Child Count' (1), 'Initial Child Count' (0), and 'Lost/Unknown Child Count' (0). The 'Thresholds And Watches' section is also visible. The status bar at the bottom shows 'Spectrum' and 'You are logged in as Administrator on localhost Change Password'.

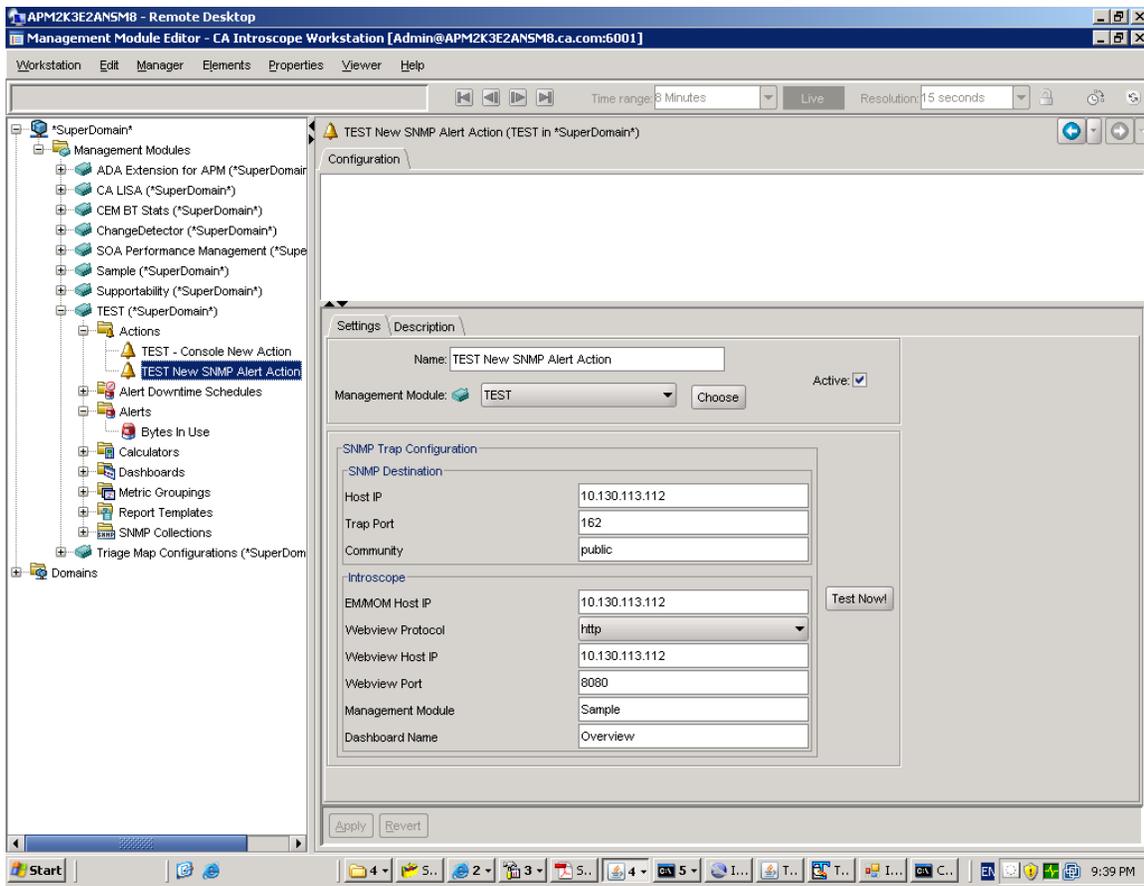
you will see the newly created topology for the Introscep EM



Expand the “Introscope Integration Administration” section on the right hand bottom pane, click on Discover Agents
Make sure contact status = “Establish”:



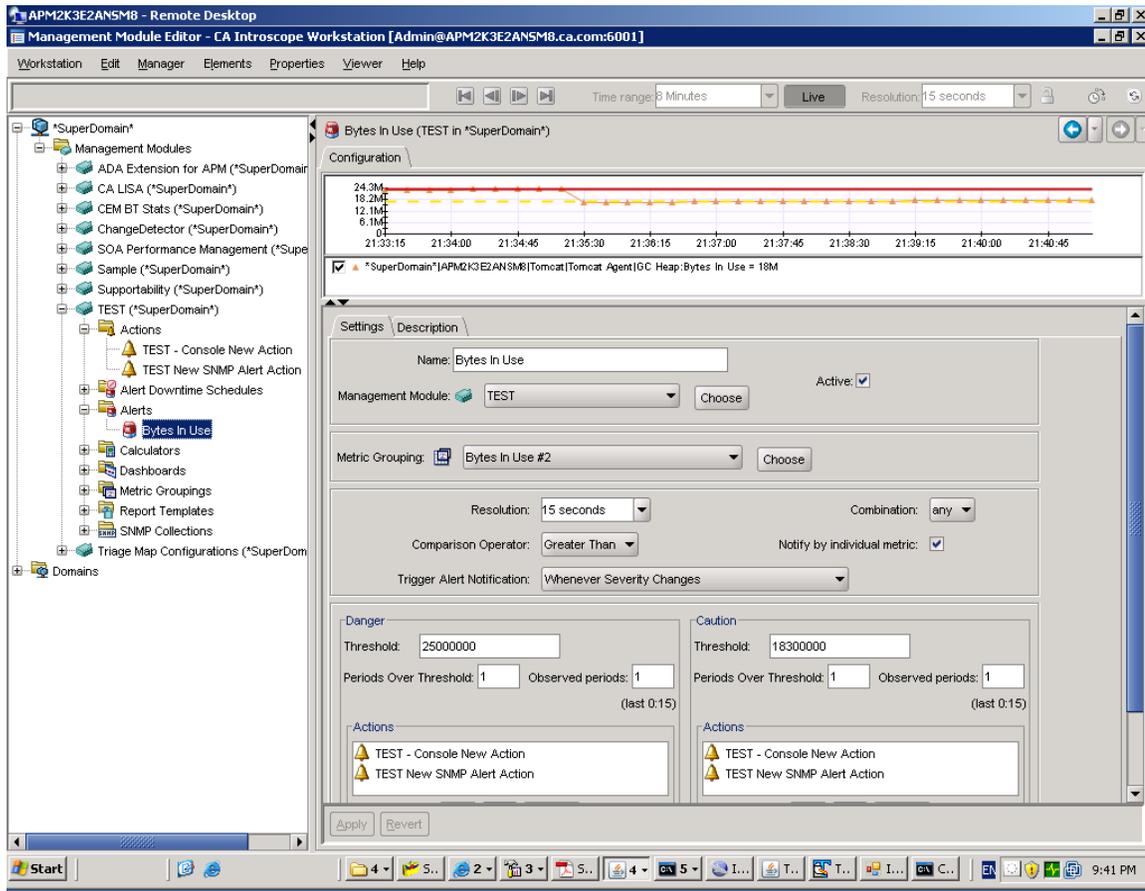
On EM side define a new “SNMP Alert action”

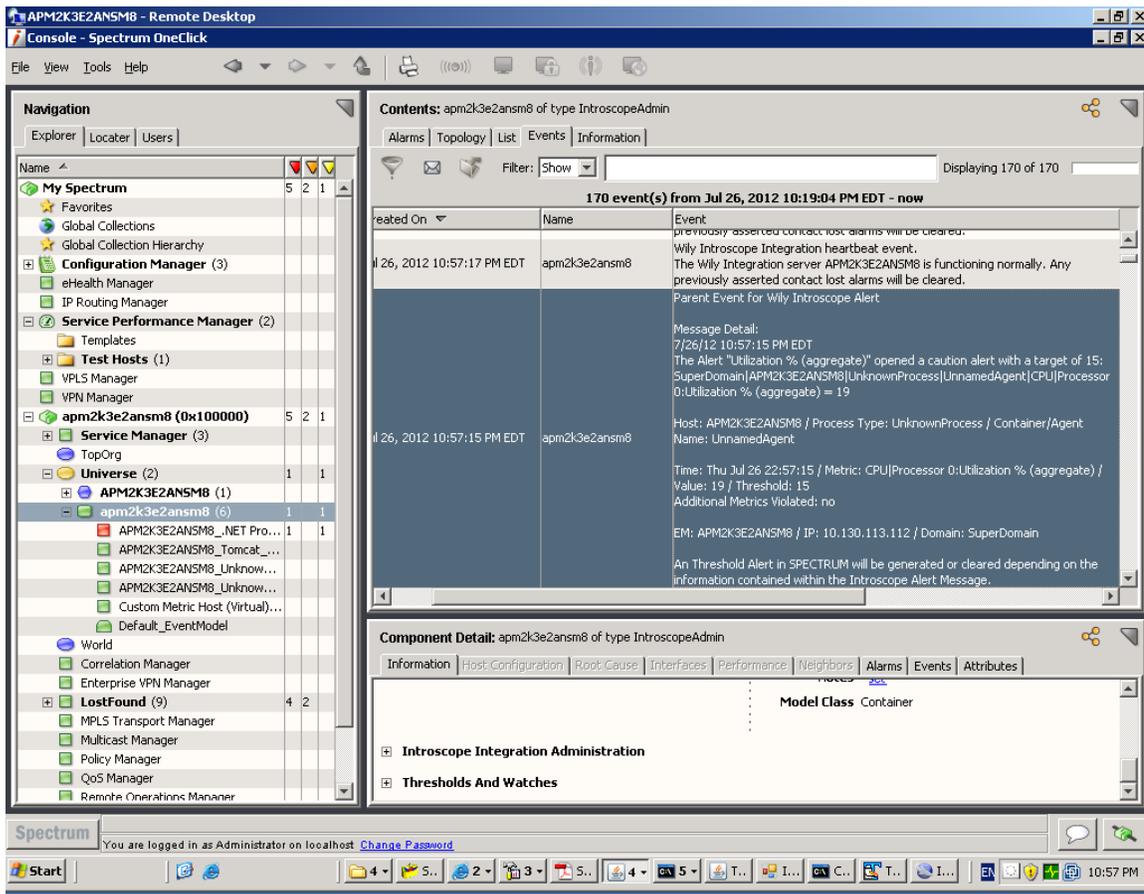


SNMP Destination section is where Spectrum integration is running.

IMPORTANT: Make sure to enter the IPAddresses and not the hostnames.

Finally, add the new action to your alerts





Verify that alert is available from Spectrum console