DIVISION

TEMPLATES AND GUIDESFG

HOW TO USE TRACK OBJECTS IN CONJUNCTION WITH EVENT MANAGER APPLETS:

NOTE: The menu feature that was created in PE-3 will block this Event Manager Applet from working properly if it is still applied. To remove application of the menu feature execute the following command:

Line vty 0 15

No autocommand menu *MENU-NAME*

**SLA / TRACK / EVENT MANAGER APPLETS:**

1. Configure the SLAs that you want to track.

Example:

**IP SLA 10**

**ICMP-ECHO 10.0.0.1 SOURCE-IP 10.0.0.2**

**FREQUENCY 5**

**IP SLA SCHEUDLE 10 START NOW LIFE FOREVER**

!

**IP SLA 20**

**ICMP-ECHO 20.0.0.1 SOURCE-IP 20.0.0.2**

**FREQUENCY 5**

**IP SLA SCHEUDLE 20 START NOW LIFE FOREVER**

1. Configure a track that monitors the status of the SLA.

Example:

**TRACK 1 IP SLA 10**

**TRACK 2 IP SLA 20**

1. You can configure a track to monitor the state of other tracks.

\*A TRACK LIST BOOLEAN “AND” WILL BE IN AN UP STATE IF *ALL* OF THE LISTED TRACK OBJECTS ARE “UP”. A BOOLEAN “OR” WILL BE IN AN UP STATE IF *ANY* OF THE LISTED TRACK OBJECTS ARE IN AN UP STATE.

Example:

**TRACK 3 LIST BOOLEAN AND**

**OBJECT 1**

**OBJECT 2 NOT**

**\*\* THE “NOT” AFTER OBJECT 2 MEANS THAT THE TRACK CRITERIA WILL BE CONSIDERED UP IF THE STATE OF TRACK 2 IS DOWN.**

1. In the example above, track 3 would be considered “up” if track 1 was up and track 2 was down. If track this was a Boolean “or” instead of “and”, it would be considered “up” if either track 1 was up or track 2 was down.
2. You can check the status of your SLAs and tracked objects by using the following commands:

**SHOW IP SLA STAT**

**SHOW IP SLA CONFIGURATION**

**SHOW TRACK**

1. Event manager applets can be used to automate configuration processes based on tracked objects. For example you might want to shut a physical switch port based on whether or not an IP address was reachable. If the applicable IP address was 192.168.0.1 and the switch-port was G0/10, here is a configuration if the port was to be shut if the IP was unreachable:

Example:

**!**

**IP SLA 5**

**ICMP-ECHO 192.168.0.1 SOURCE-IP 192.168.0.254**

**FREQ 10**

**!**

**IP SLA SCHEDULE 5 START NOW LIFE FOREVER**

**!**

**TRACK 5 IP SLA 5**

**!**

**EVENT MANAGER APPLET [NAME]**

**EVENT TRACK 5 STATE DOWN**

**ACTION 1.0 CLI COMMAND “ENABLE”**

**ACTION 2.0 CLI COMMAND “CONFIGURE T”**

**ACTION 3.0 CLI COMMAND “INTERFACE G0/10”**

**ACTION 4.0 CLI COMMAND “SHUTDOWN”**

**!**

**END**

1. Configuration from within the event manager applet always starts as if the user just accessed the device so “enable” should always be the first command. After you have configured the event manager applet, exit the applet configuration mode in order for it to take effect. If you want to reverse the impact of the event manager based on the event you will need a second event manager with a different name. The following example would cause the port (G0/10) to be re-enabled based on the SLA status.

Example:

**!**

**EVENT MANAGER APPLET [NAME-2]**

**EVENT TRACK 5 STATE UP**

**ACTION 1.0 CLI COMMAND “ENABLE”**

**ACTION 2.0 CLI COMMAND “CONFIGURE T”**

**ACTION 3.0 CLI COMMAND “INTERFACE G0/10”**

**ACTION 4.0 CLI COMMAND “NO SHUTDOWN”**

**!**

**END**