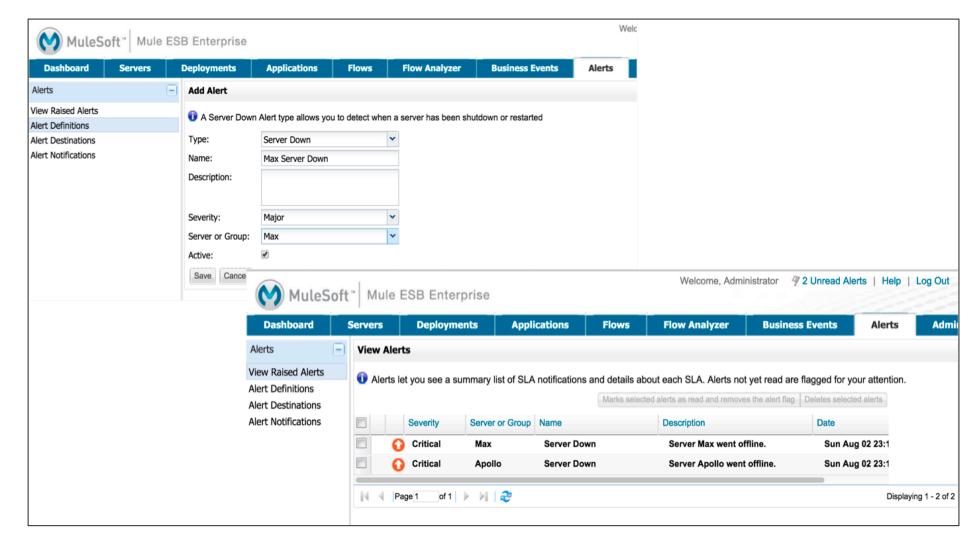


# Module 6: Configuring and Administering Alerts

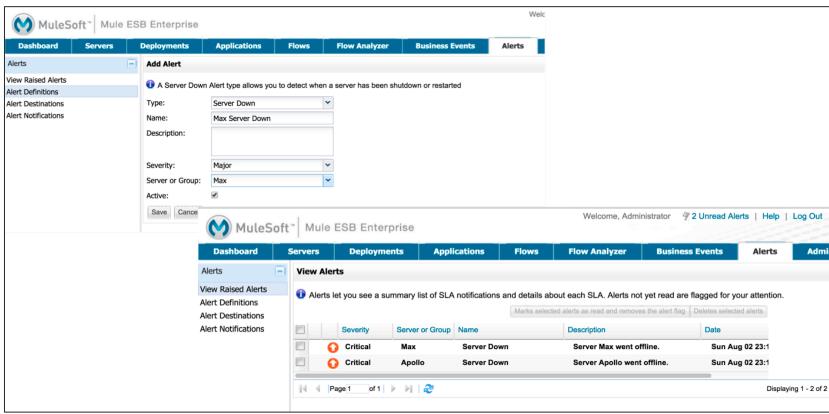
#### Goals





# Objectives

- Configure alerts in MMC.
- Configure email alert destinations in MMC.
- Configure SNMP alert destinations in MMC.





# **Topics**

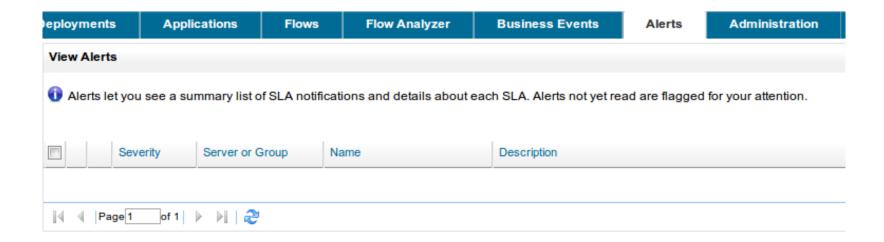
- Alerts:
  - Creating alerts
  - Sending alerts to email
- Administration:
  - Creating users
  - Creating groups
- Lab 5.0 Alerts and Administration:
  - Define alerts
  - Restrict access to alerts



# Alerts

#### Alerts

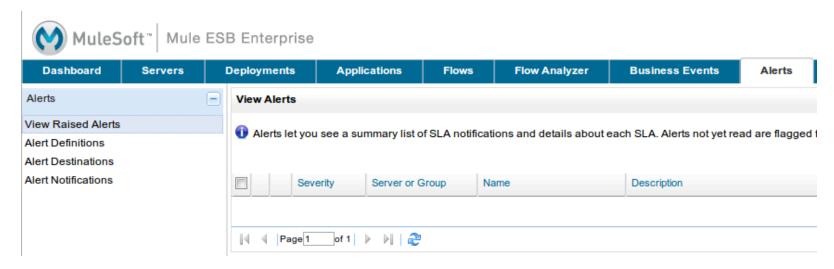
 How do we detect an application failure? Define your notifications in the Alerts tab:





#### Parts of an Alert

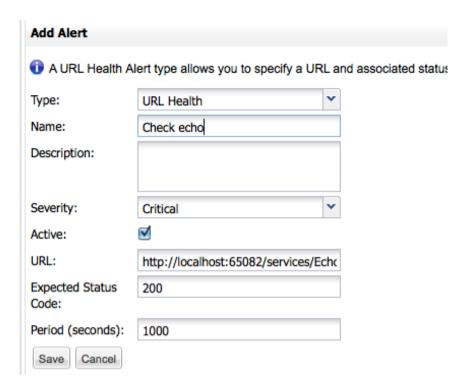
- An alert is composed of:
  - A definition; which event am I interested in?
    - Defines a trigger for the event
  - A destination (OPTIONAL); where do I receive the alert?
  - A notification (OPTIONAL); glues the definition to the destination and you may add extra filters according to the properties of the alert





#### Alert definition

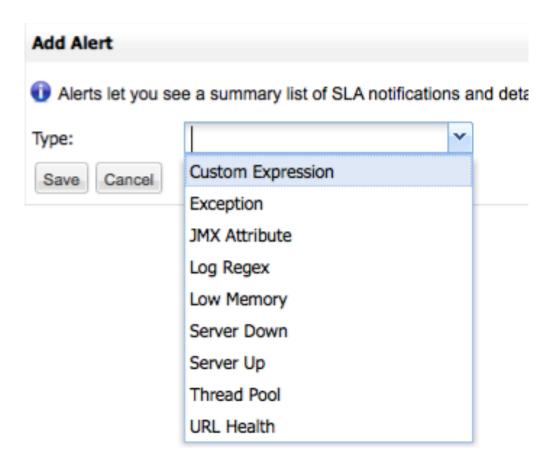
- Example:
  - Check if we receive any response from a URL
  - E.g. "is an application alive?"





## Alert definition types

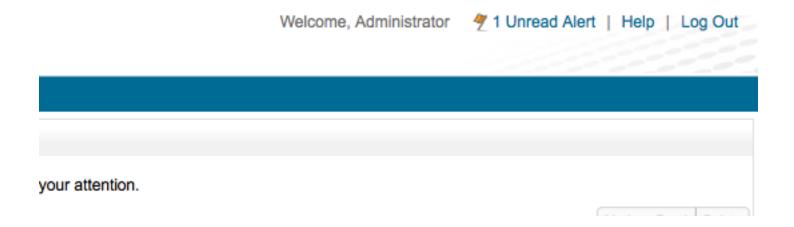
A complete list of definition types is the following:





#### Default behavior of an Alert

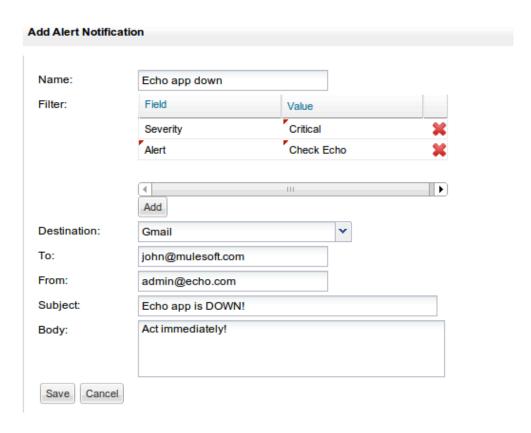
 If the application goes down the default behavior is to receive alerts in the UI of MMC:





#### Alert Notification

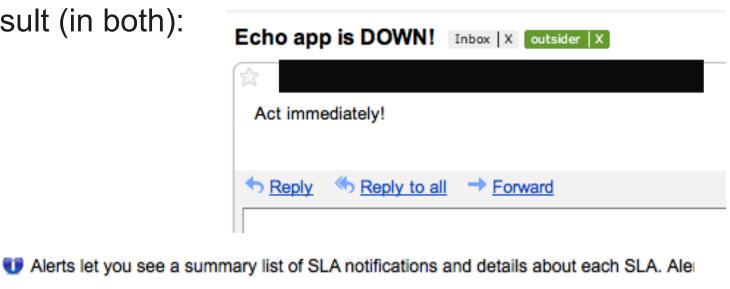
 And then combine the definition with the destination adding extra filters like severity:

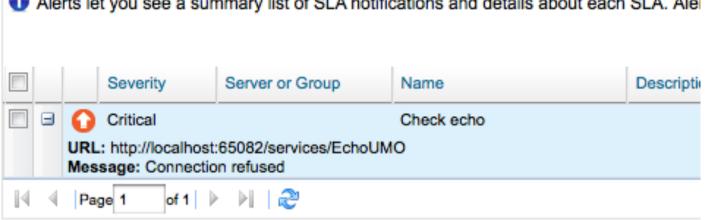




#### Result of alert notification

Result (in both):







# Walkthrough 6-1: Define Alerts

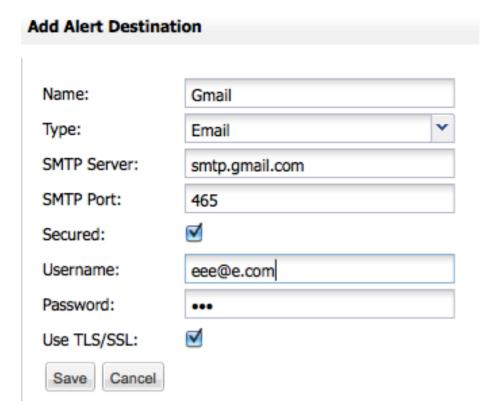
- Define 2 alerts:
  - Server Down and Server Up
  - Set them up to send you an email
  - Test it by stopping and restarting your Mule server



#### Alert Destination

 If you want to send alerts to different destinations you need to configure one

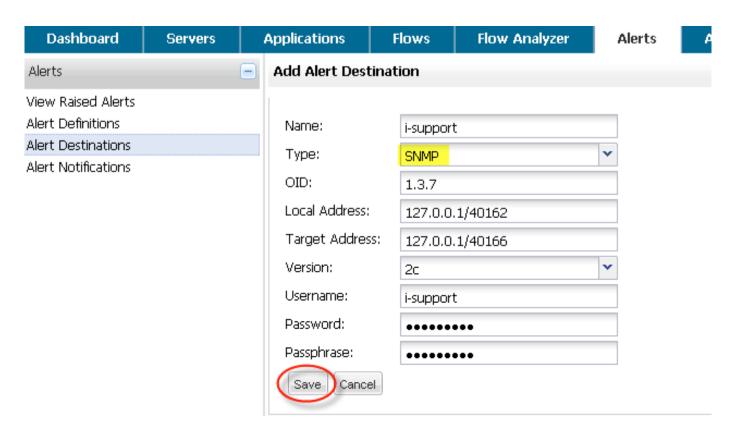
For example:





#### SNMP destination

 SNMP-type destinations have different fields than emailtype destination:





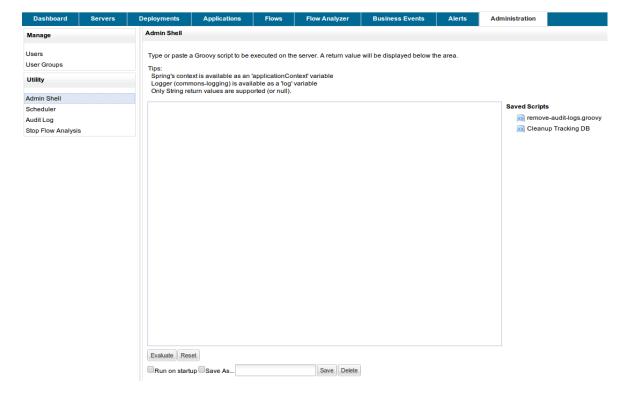
# Alerting Custom Scripts

- You can create custom alert handlers (scripts, etc.)
- Coded as Java classes



#### Utility

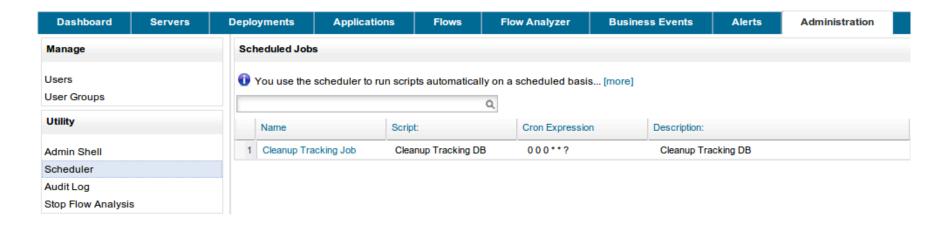
- The Utility tab in Administration for creating and scheduling scripts, managing logs and stopping the Flow Analyzer if it was left running indefinitely
- These utilities can be found under the Utility section on the left panel





#### Utility

- The Admin Shell allows you to write your own scripts and save them
- You can then set the Scheduler to run your scripts automatically on a scheduled basis





## Walkthrough 6-2: Define Alert Destinations

- Configure email alerts in MMC
- Configure SNMP alerts in MMC
- Define 2 alerts:
  - Server Down and Server Up
  - Set them up to send you an email
  - Test it by stopping and restarting your Mule server



# Summary

- Various alert sources are available
- Alert targets
  - MMC Console
  - Email
  - SNMP
- JMX communication also supported



