How to Setup Email Notifications on Dell OpenManage

All Dell servers come with Dell OpenManage Server Administrator software which has the ability to monitor and display system level indicators. Additionally, through the Alert Management tab you can configure actions to execute whenever an alert is triggered. Unfortunately there is no vehicle for applying uniform notifications to all events, so we are going to provide a script which configures all the alert actions to send an email notifying you of the respective event.

How it Works

The script is very simple. When an event is triggered, Dell OpenManage executes the specific application,

then the application connects to an external SMTP Server, and send the email with the message of the event.

Requirements:

-Dell Server with OpenManage Installed

-Microsoft .Net Frameworks v2.0 (Download Here)

-DellSMTPNotify Application (Download Here)

-DellSMTPNotify Alert List (Download Here)

Installation – Part I:
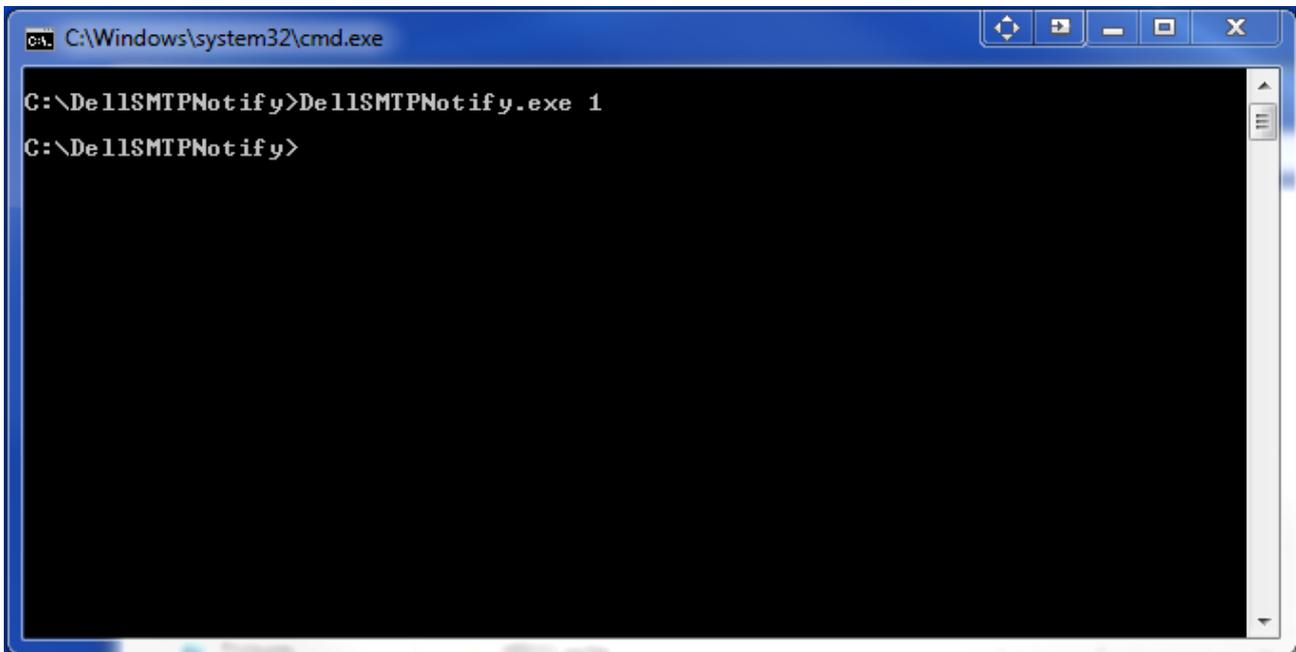
Extract files to C:\DellSMTPNotify

Edit Config.xml and configure DefaultEventSettings to your SMTP server.

```xml
<?xml version="1.0" encoding="utf-8"?>
<Settings>
  <DefaultEventSettings
    SMTPServer="mail.server.com"
    SMTPPort="25"
    From="server@server.com"
    To="server@server.com"
    CC=""
    Username=""
    Password=""
    Subject="DELL Server Alert on SERVERNAME">

  </DefaultEventSettings>
<EventSettings>
  <EventSetting Id="1">
```

Now we are going to test the SMTP settings by running the script. Open command prompt and navigate to C:\DellSMTPNotify. Then type the following: "**DellSMTPNotify.exe 1**".

DellSMTPNotify associates numbers to messages. Looking at config.xml, you can customize the messages. In this case, "1" would send message "Message from server: Watchdog ASR".
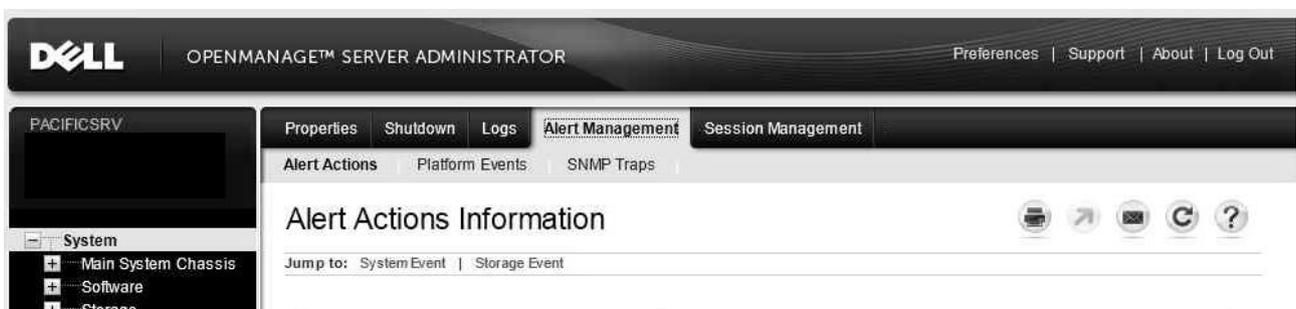

You should have received an email alert. If you didn't receive an email, check your SMTP settings in config.xml.

Installation – Part II:

Now that we have our DellSMTPNotify.exe working properly with our SMTP settings. We can now get it to work with Dell OpenManage.

Login to Dell OpenManage and navigate to Alert Management

Under Alert Actions, select **Watchdog ASR**.

System Event	Currently Active Actions		
	Alert on Console	Broadcast Message	Execute Application
Watchdog ASR	Off	Off	Off
Temperature Probe Warning	Off	Off	Off
Temperature Probe Detects a Failure	Off	Off	Off
Fan Probe Detects a Failure	Off	Off	Off
Voltage Probe Detects a Failure	Off	Off	Off
Chassis Intrusion Detected	Off	Off	Off
Memory Pre-failure	Off	Off	Off
Memory Failure	Off	Off	Off
Hardware Log Warning	Off	Off	Off
Hardware Log Failure	Off	Off	Off
Processor Warning	Off	Off	Off
Processor Failure	Off	Off	Off
Battery Probe Warning	Off	Off	Off
Battery Probe Detects a Failure	Off	Off	Off

Under "Set Alert Actions for Watchdog ASR", enable "Execute application." In the whitebox, place the Abolute patch to DellSMTPNotify.exe with code to Watchdog ASR. The code for Watchdog ASR is 1, and would place the following "**D:\DellSMTPNotify.exe 1**".

☐ Display an alert message on the server.	
☐ Broadcast a message.	
☑ Execute application.	Absolute path to the application: D:\DellSMTPNo

Now we have setup email alert for Watchdog ASR. We will have to do the same thing for the rest of the alerts.