



# **Management Plugin for SCOM/SCCM**

## **User's Guide**

**Revision 1.0.0.160520**

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Software      Revision History

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2016/05/20	1.0.0	Initial version.

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2016/05/20	1.0.0	Created this document.

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# 1. Overview

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Data Centers use Microsoft SCOM as a single point of management. The management plugin for SCOM/SCCM should be integrated with the current SCOM interface.

At SCOM you should see Supermicro server hosts and the following information:

- Inventory
  - Host List
  - Services List
- Health
  - Monitor Host Status
  - Monitor Service Status
- IPMI ping info
  - Host View (Status Information)
- License info
  - Service View (Status Information)
- Performance
  - System Utilization
- Power management
  - pminfo (Power supply monitor)
- Asset info
- KVM/IPMI WebUI
- Firmware management
  - BIOS FW update and configuration
  - BMC FW update and configuration
- LDAP/AD
  - LDAP/AD support for SSM
- Mount/unmount ISO images

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## 2. Prerequisite s and Installation

### 2.1 Supported Operation System

Windows Server 2012 R2

### 2.2 System Requirements

Windows Roles

- .Net framework 3.51
- .Net framework 4.5
- .Net HTTP Activation 4.5
- Windows Process Activation Service
- Process Model
- Configuration APIs

Windows features

- Web Server(IIS)
- Application Server

Windows Services

- Web Server Default Document Directory Browsing HTTP Errors
- Static Content HTTP Logging Request Monitor







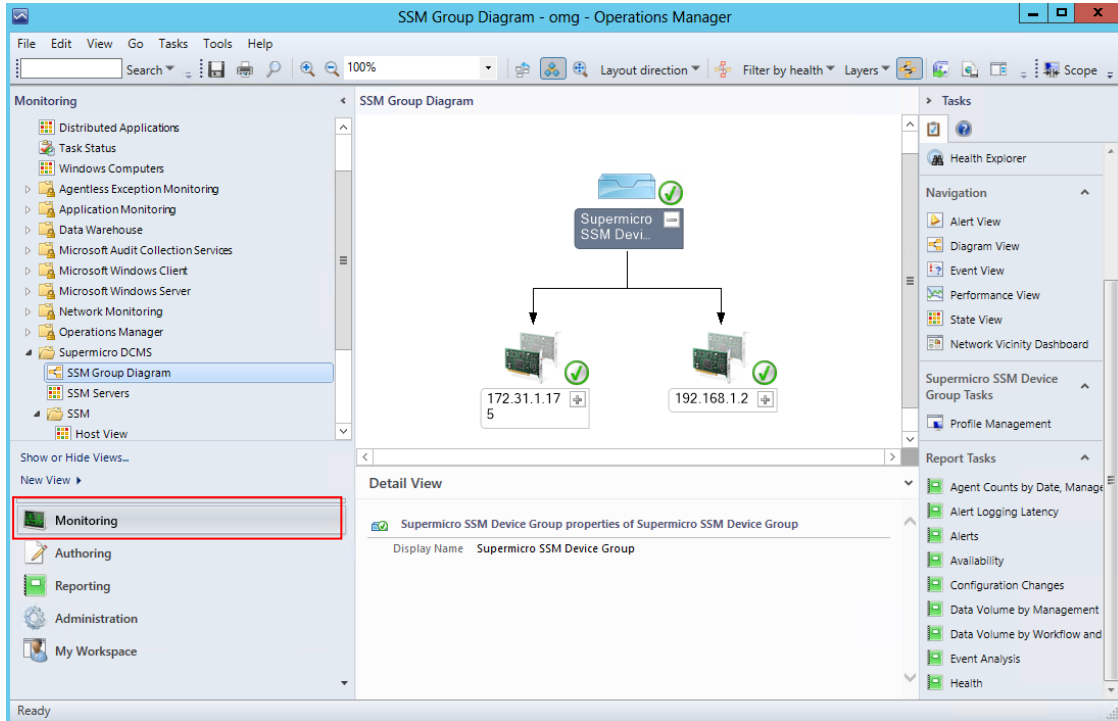


Figure 2-6

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## 3. Settings and Configuration

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### 3.1 Configuring Run as Account

1. Open the SCOM operation console/Administration dashboard.
2. In the left menu, click **Run As Configuration/Profiles**.
3. In the Profiles list, locate the file `Supermicro Server DMSAccount` and open its **Properties**.
4. In the Run As Profile Wizard window, click **Run As Accounts**.
5. Click **Add** and add the `local system windowsaccount` to the list.

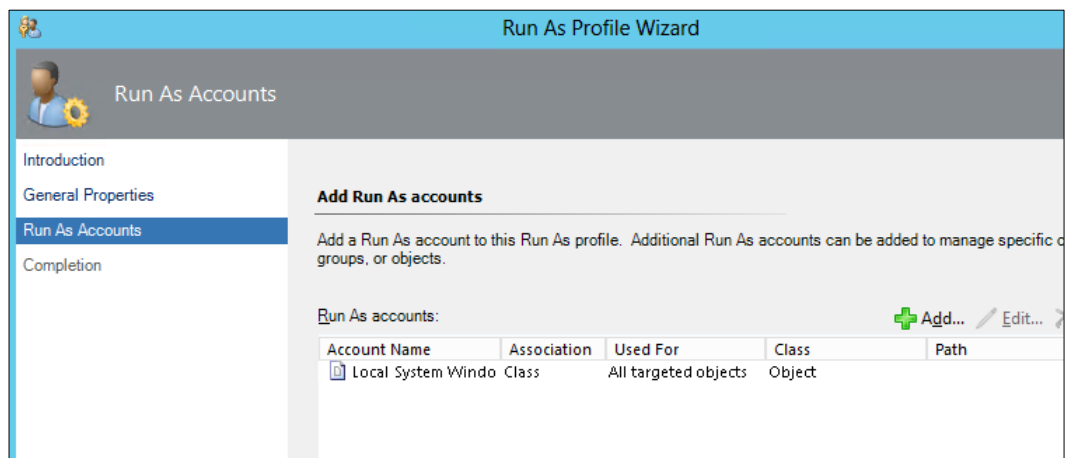


Figure 3-1

6. Click **Save** and then click **Close** to finish.

## 3.2 Configuring SSM Server List

1. Open the SCOM operation console/Monitoring dashboard.
2. Find the **Supermicro DCMS/SSM Group Diagram**.
3. In the diagram, select **Supermicro SSM Device Group**, and then click **Profile Management**.

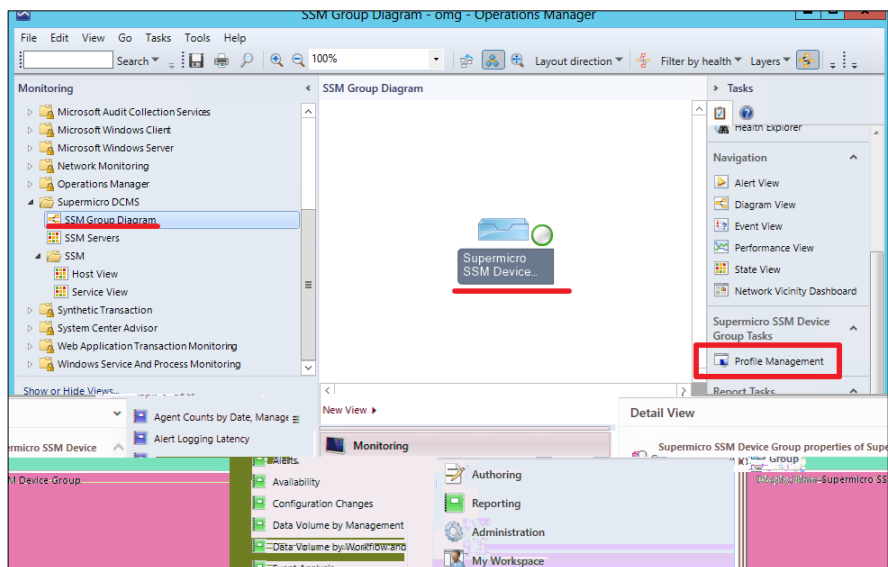


Figure 3-2

4. In the SSM Device Management dialog box, enter the information and click **Add** to add the SSM Servers to the manage list.

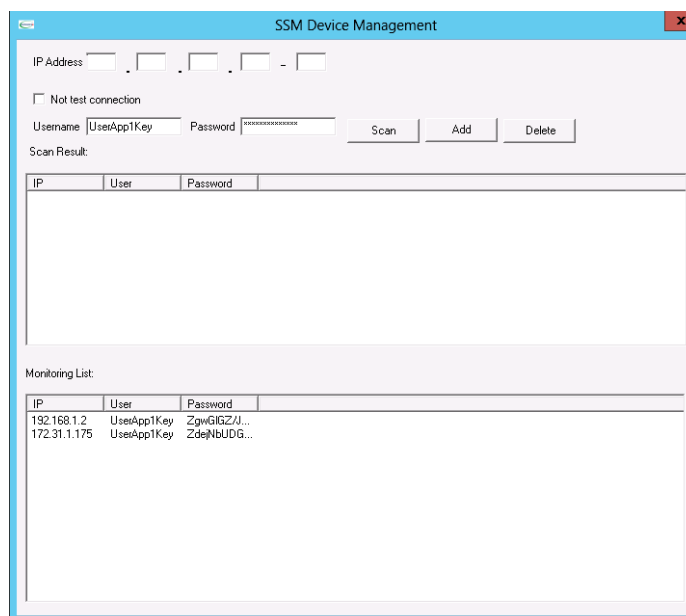


Figure 3-3

5. Wait a few minutes and then refresh the SSM Group Diagram to make sure the SSM Servers have been discovered.

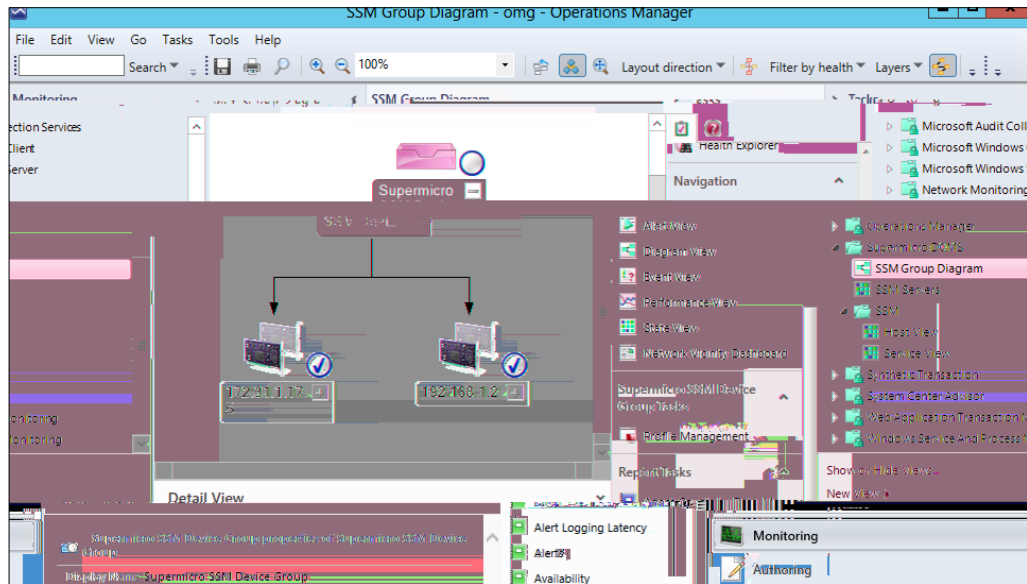


Figure 3-4



## 4.2 Health (Host/Service Status)

In Host View, the health status of hosts can be monitored.

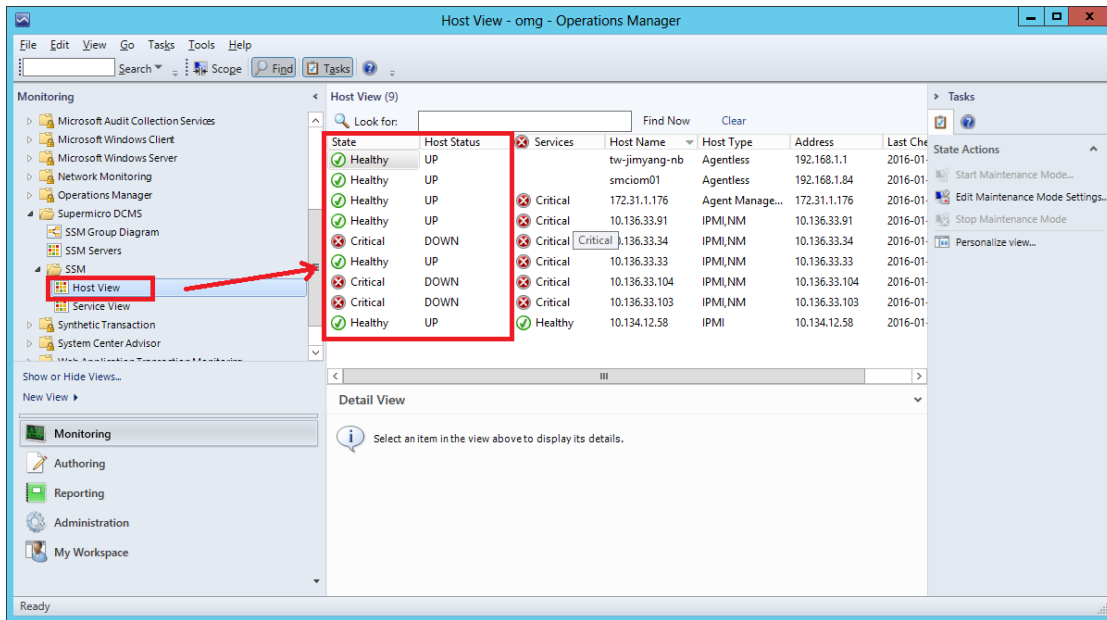


Figure 4-3

In Service View, the health status of the services can be monitored.

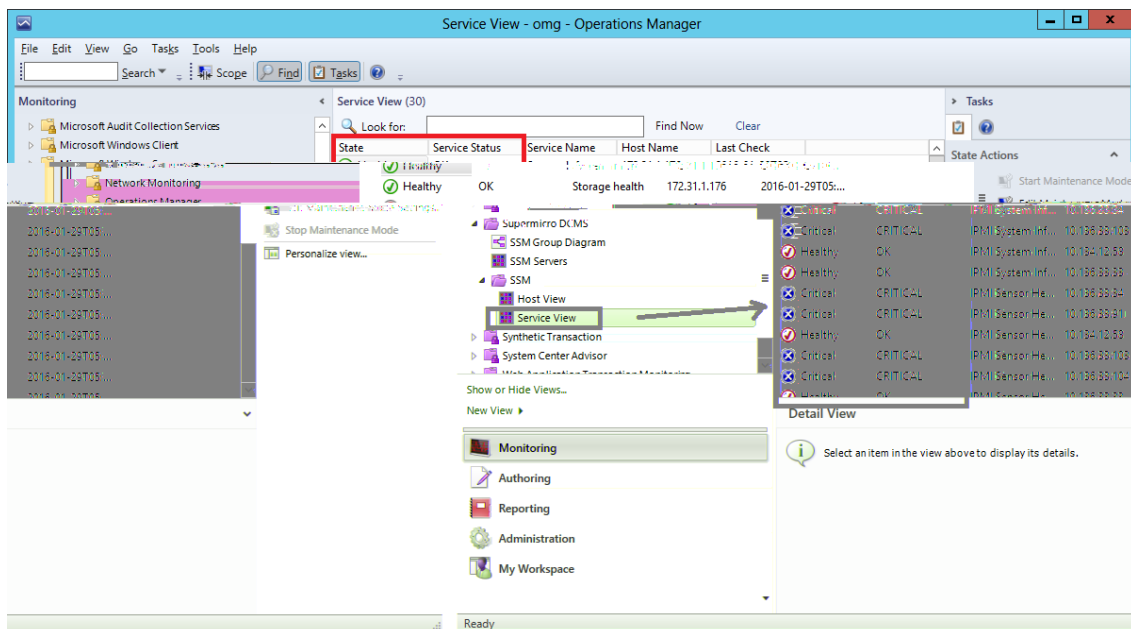


Figure 4-4

## 4.3 IPMI Ping Info

In Host View, the system ping information is shown in the Status Information.

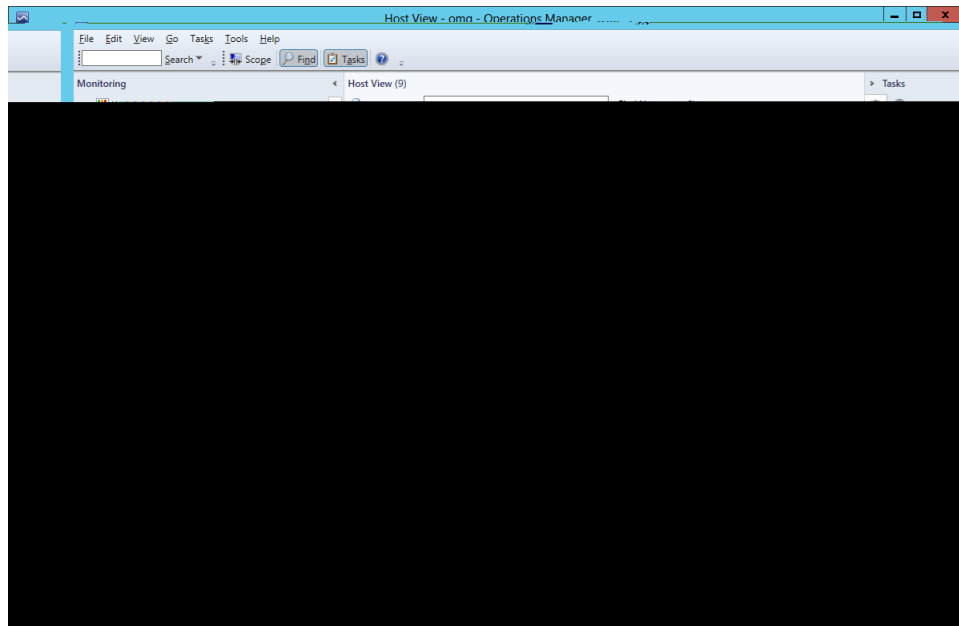


Figure 4-5

## 4.4 License Info

In the detailed Service View, the license information is shown in the System Information.

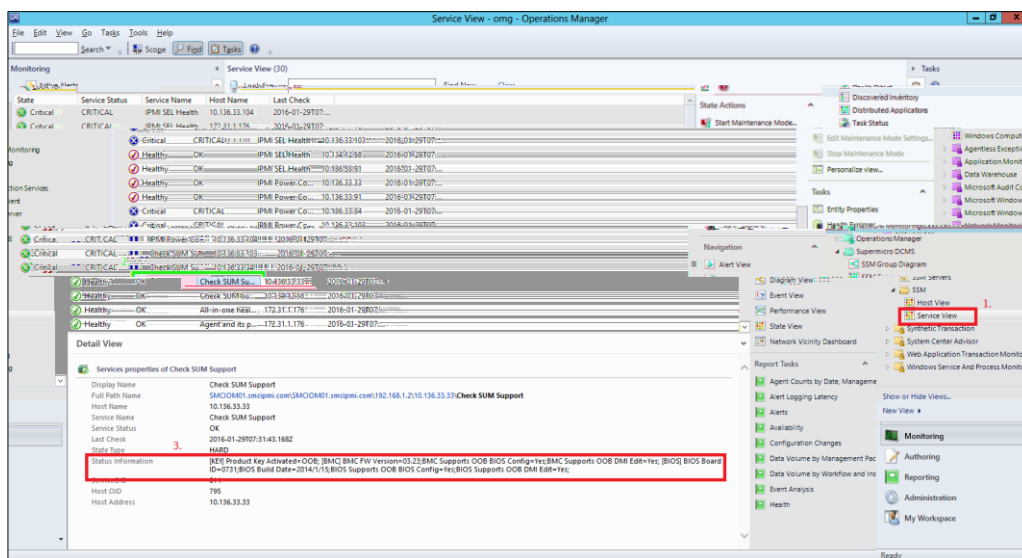


Figure 4-6

## 4.5 Performance ( System Utilization)

In the Host View Tasks menu, select the desired host and click **System Utilization** to get the information.

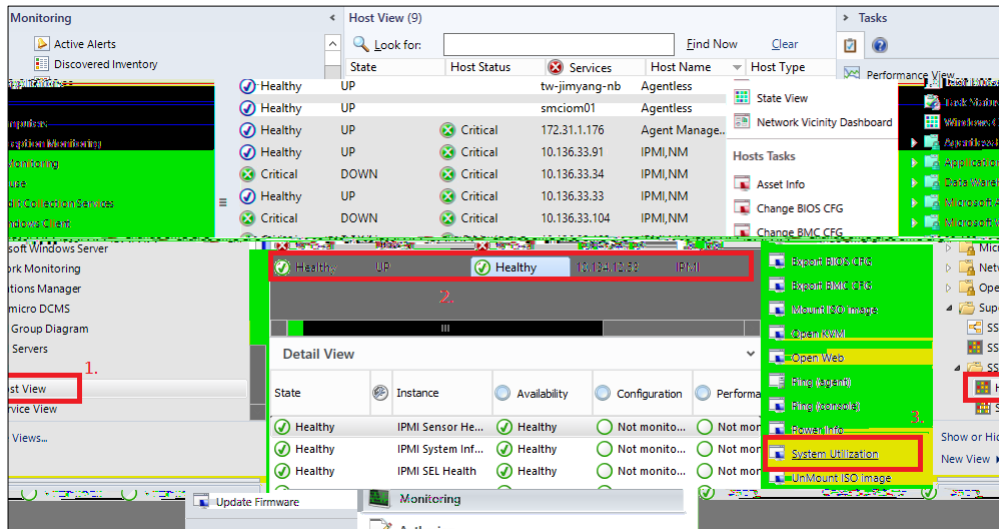


Figure 4-7

The figure shows the result output.

Figure 4-8





## 4.7 Mounting an ISO Image

In the Host View Tasks menu, select a host and click **Mount ISO Image**.

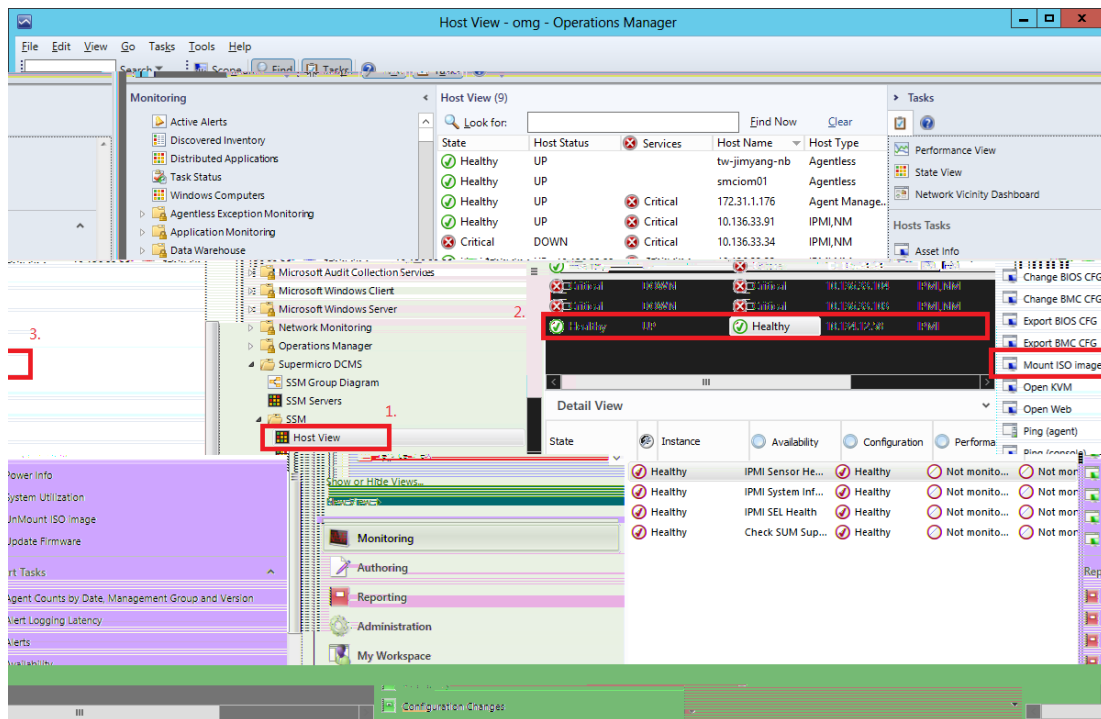


Figure 4-11

Enter the URL of the ISO link and login credential.

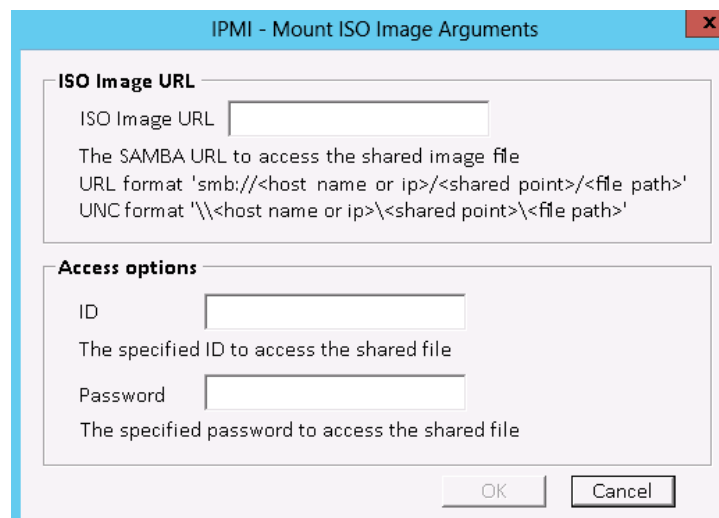


Figure 4-12

The figure shows the result output.

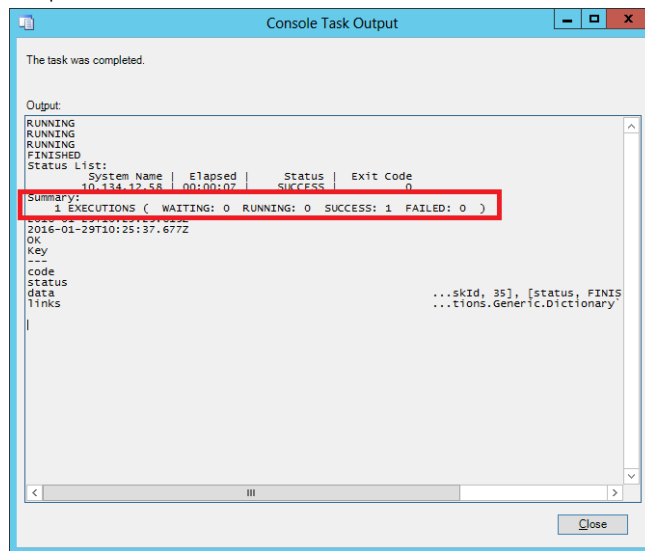


Figure 4-13

## 4.8 Unmounting an ISO Image

In the Host View Tasks menu, select a desired host and click **Unmount ISO Image** to unmount an ISO image.

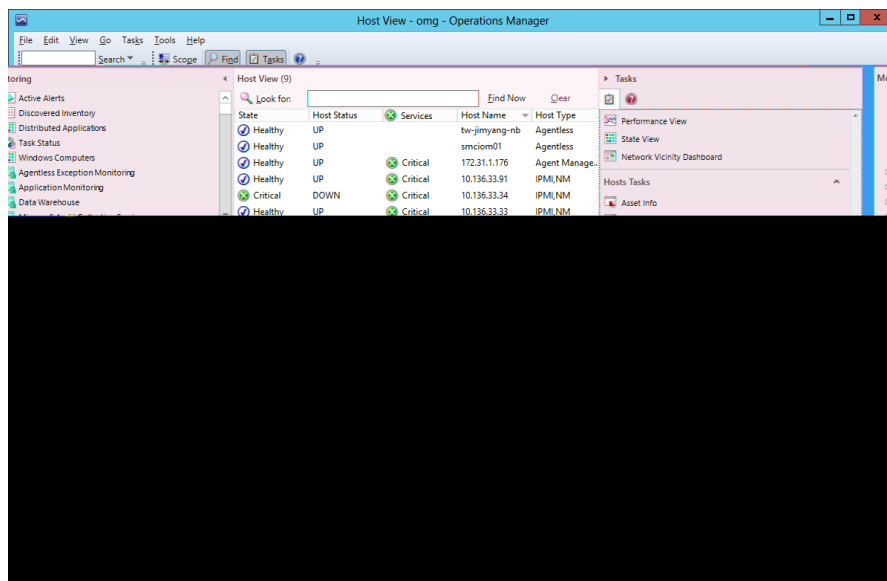


Figure 4-14

The figure shows the result output.

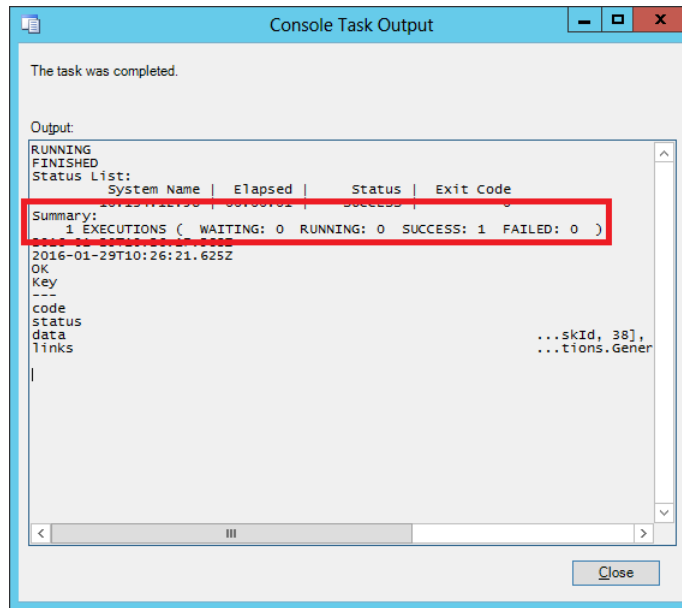


Figure 4-15

## 4.9 Opening KVM

In the Host View Tasks menu, click **Open KVM** to invoke a KVM console connected to the host.

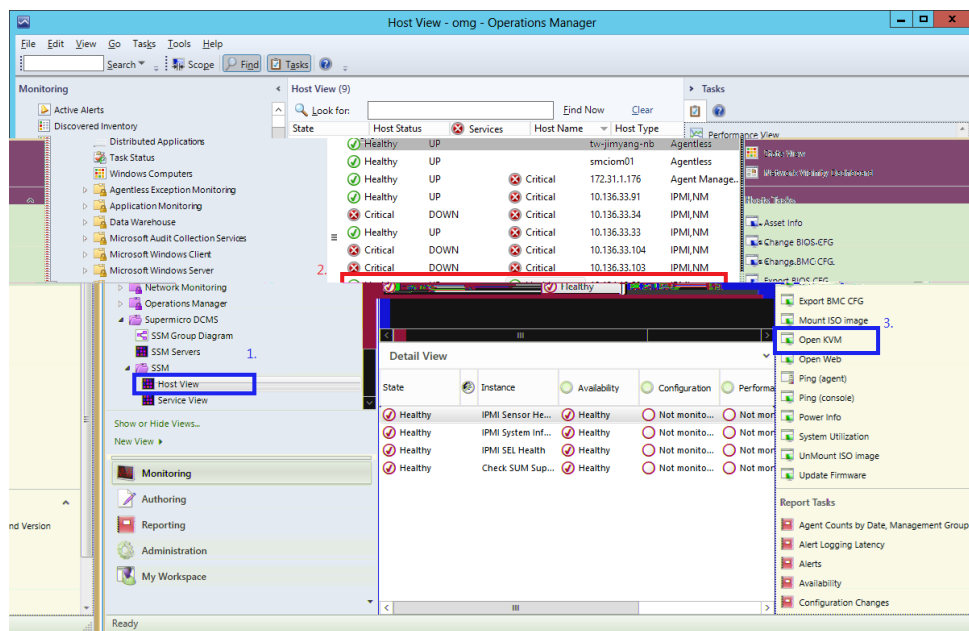


Figure 4-16

Enter the BMC login information.

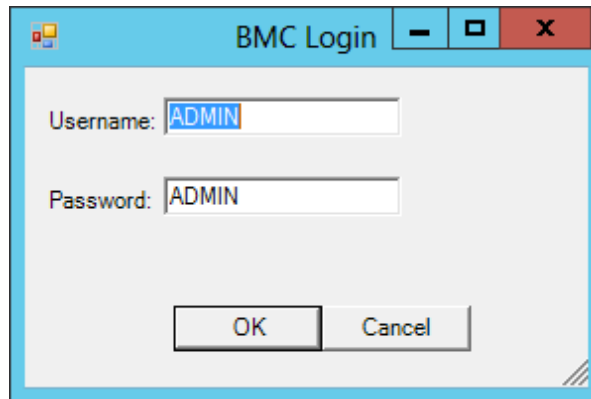


Figure 4-17

The figure shows the result output.

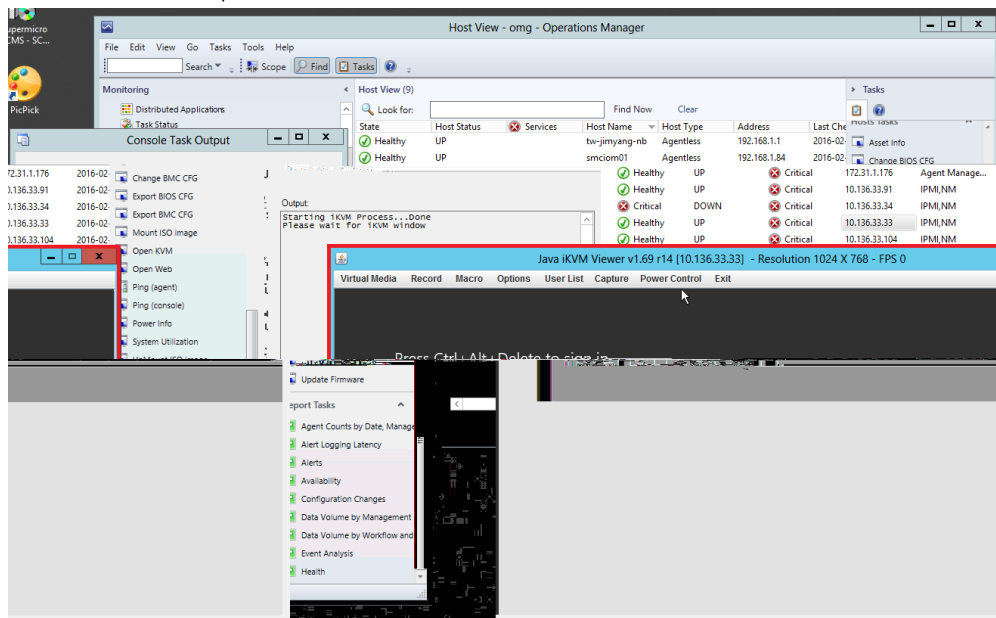


Figure 4-18

## 4.10 Opening the IPMI WebUI

In the Host View Tasks menu, click **Open Web** to invoke the browser and locate the desired host.

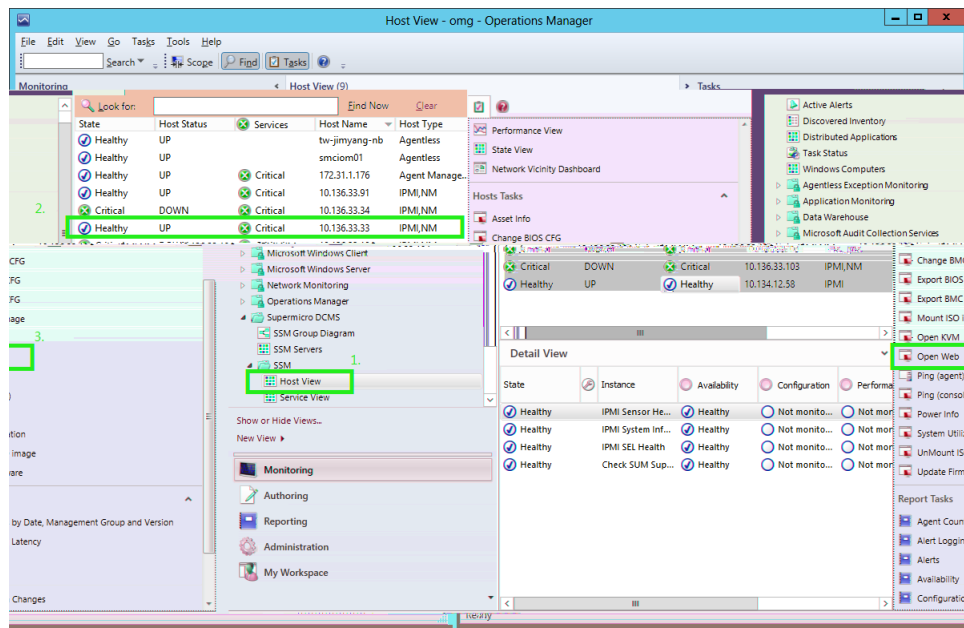


Figure 4-19

The figure shows the result output.

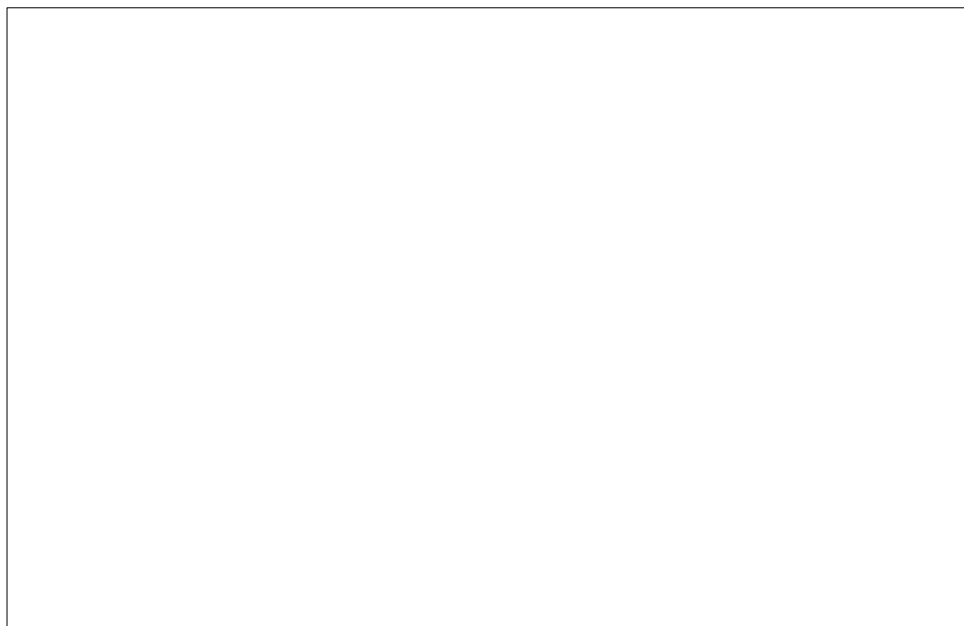


Figure 4-20

## 4.11 Exporting BIOS/BMC Config

In the Host View Tasks menu, select a desired host and click either **Export BIOS Config** or **Export BMC Config**.

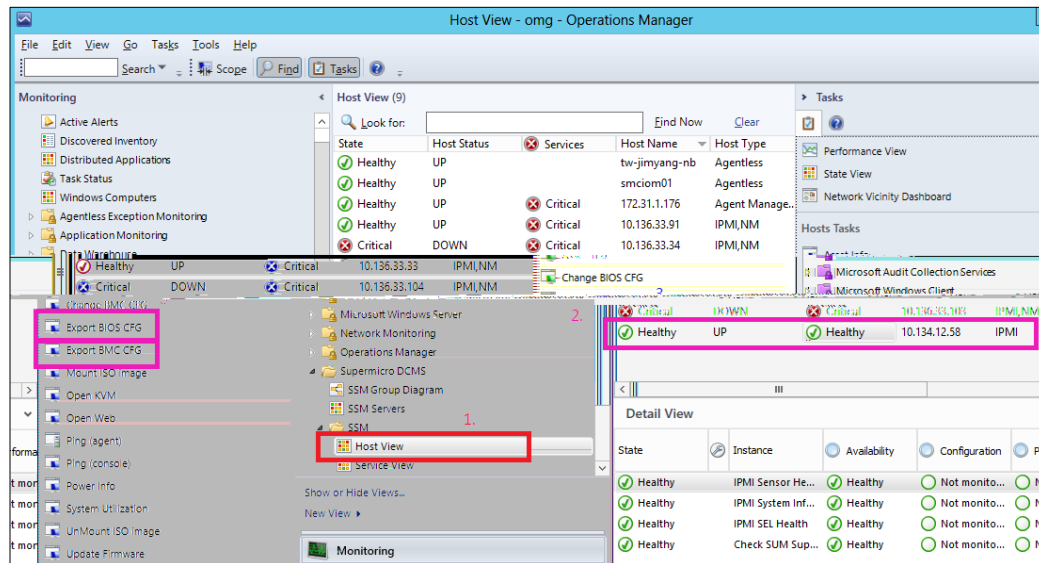


Figure 4-21

Click **Browse** to select a destination path to save the exported configurations.

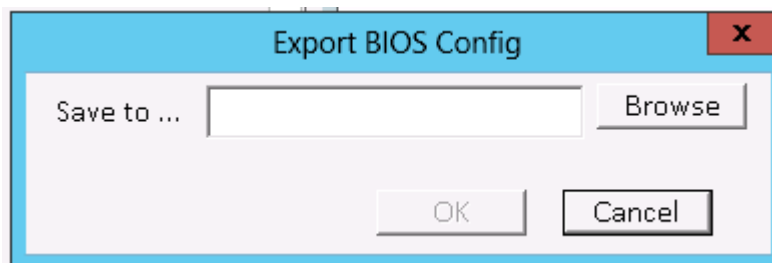


Figure 4-22

The figure shows the result output of exporting BIOS configurations.

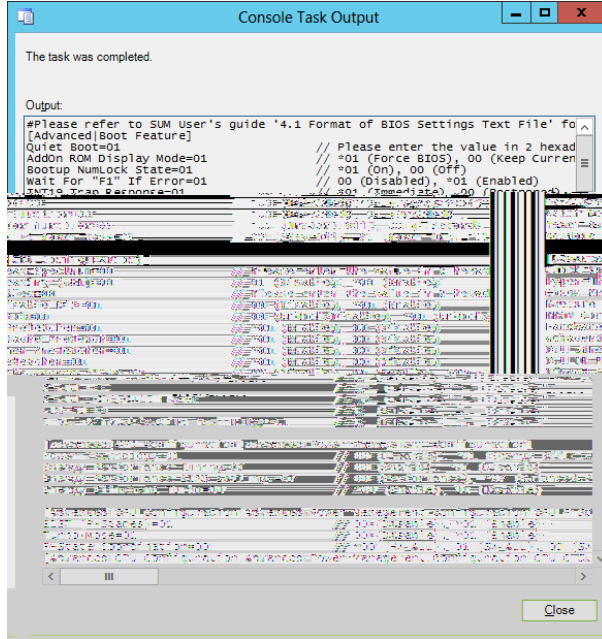


Figure 4-23

The figure shows the result output of exporting BMC configurations.

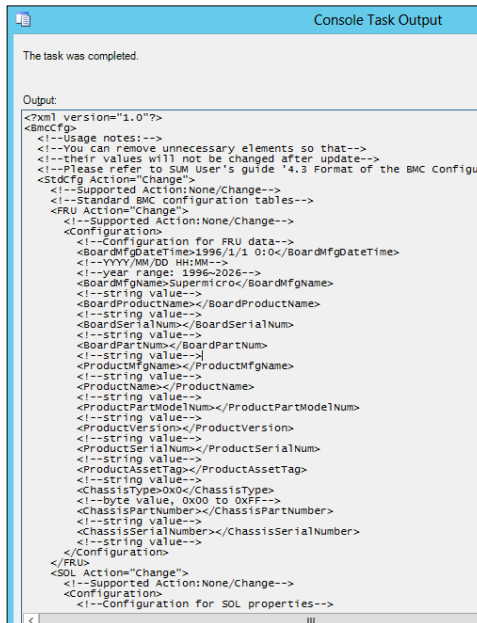


Figure 4-24



## 4.12 Changing BIOS/BMCConfig

In the Host View Tasks menu, select a desired host and click either **Change BIOS Config** or **Change BMC Config**.

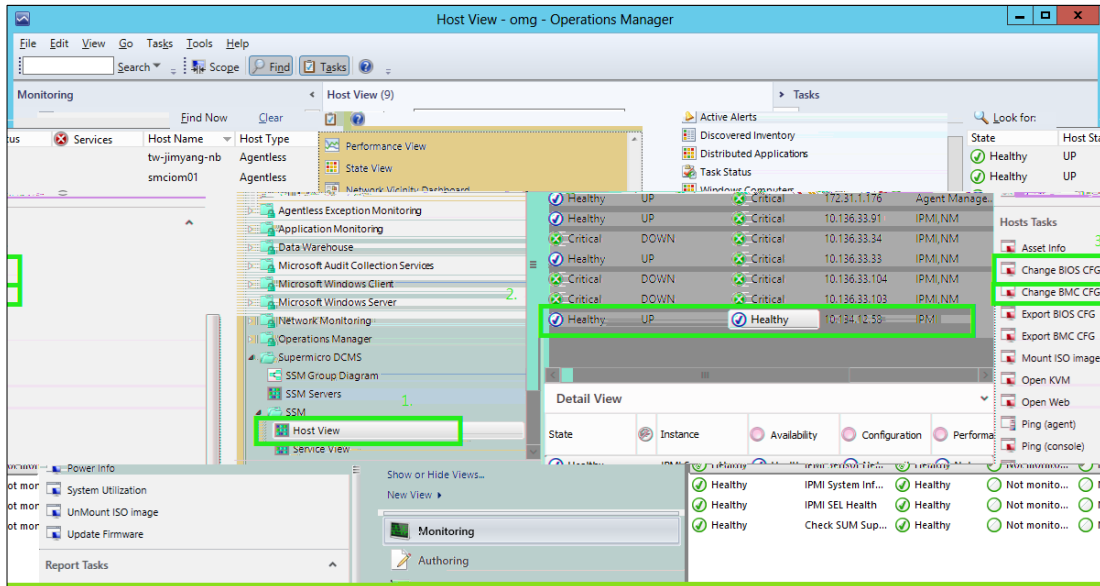


Figure 4-25

The figure shows the result output of using the Change BIOS Config function.

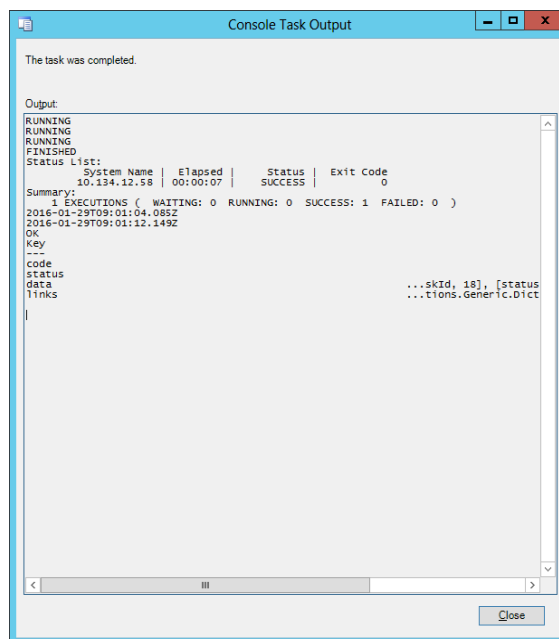


Figure 4-26

The figure shows the result output of using the Change BMC Config function.

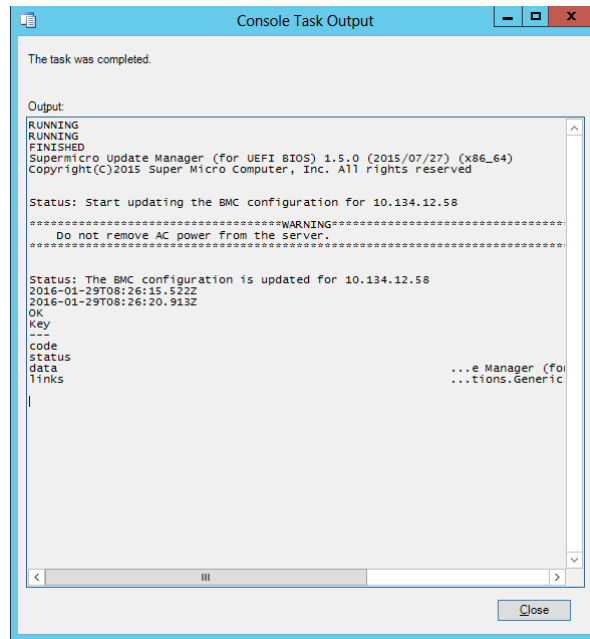
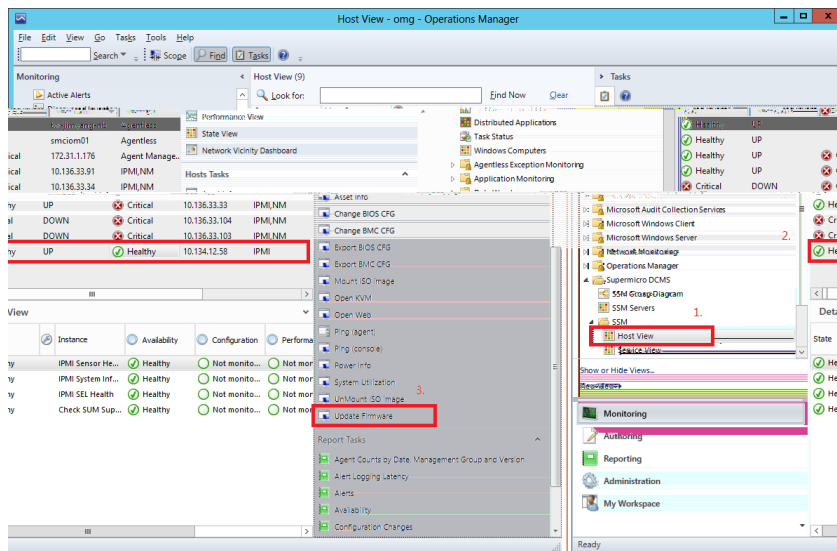


Figure 4-27

## 4.13 Updating BMC FW

In the Host View Tasks menu, select a desired host and click **Update BMC FW**.



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Figure 4-28

Enter the BMC login credential and firmware file location.

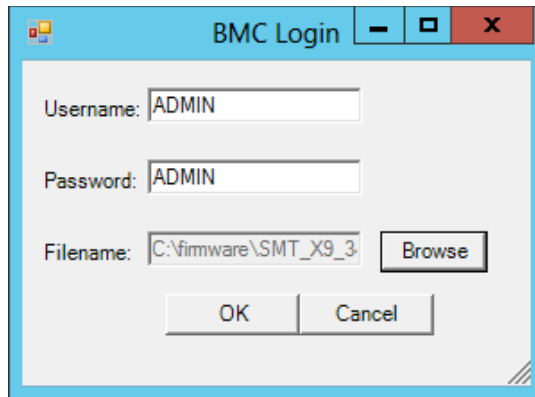


Figure 4-29



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