

MBX Systems Quick Start Guide for KACE SDA Server Installation

Preparing your server initial start-up

Product Components

Dell EMC™ PowerEdge R440 Server

Server Bezel

Power Cable x 2

MBX Systems Quick Start Guide for KACE™ Server Installation

Dell EMC PowerEdge R440 Getting Started Guide

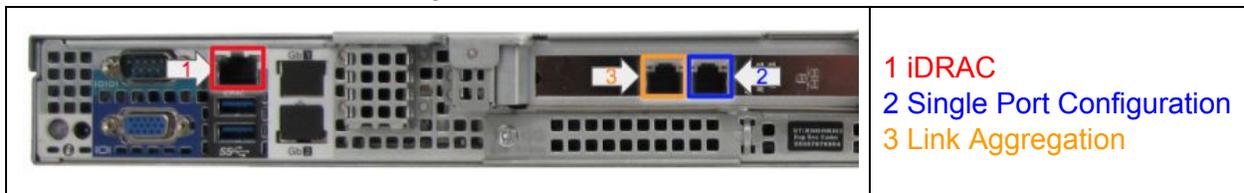
Before You Begin

Before setting up the server, review and follow the safety instructions in the Dell EMC PowerEdge R440 Getting Started Guide, this server installation guide, and the KACE software set up guide. Then proceed with the server installation as described in this guide.

The MBX Systems KACE server is a specially configured platform and does not require you to install or remove internal components, update the firmware, or modify BIOS settings. To set up the server before loading the KACE software, follow the instructions in this document only.

Rack and Cable the System

1. Follow the instructions in the Dell EMC PowerEdge R440 Getting Started Guide to install the server in the rack.
2. Plug in a monitor, keyboard, mouse and network cable. Select the network port(s) based on the server model/configuration as identified here:



3. Obtain two IP addresses: one for the ESXi management console and one for the SDA VM.

Configure Network Settings

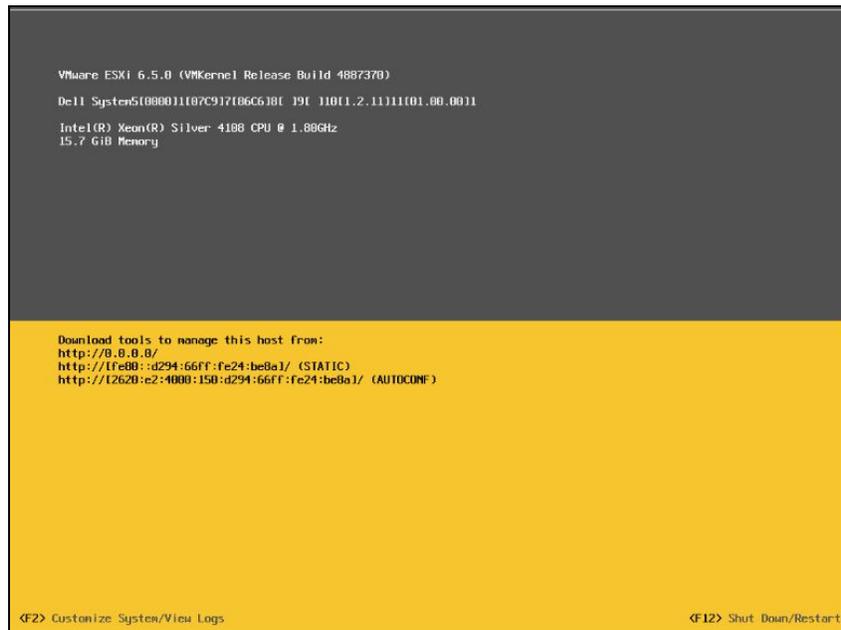
Hardware IP Address

When the system first boots, you will need to configure the IP address. These systems are set to DHCP by default.

If your network is configured to use DHCP, no additional configuration is needed and an IP address will appear at the bottom of the screen in the yellow area. You can proceed to the KACE Software section below.

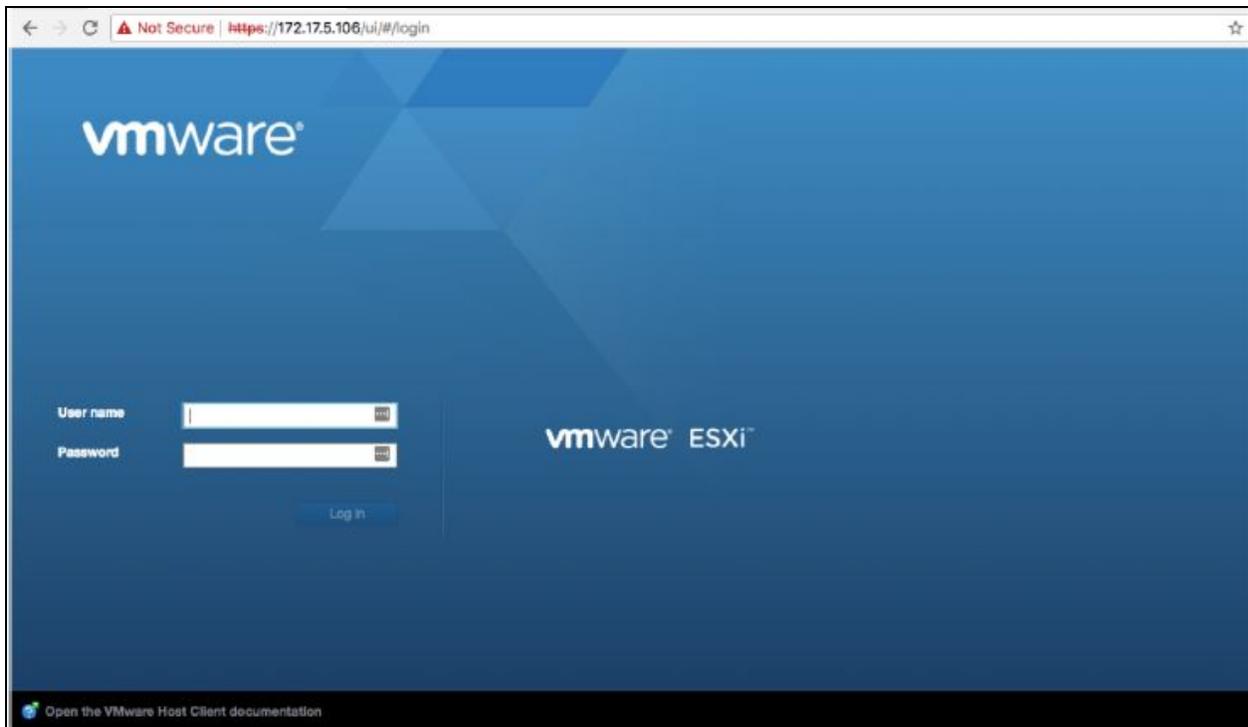
If your network is configured for static IP addresses, perform the following steps:

1. Power on the server. This first-time startup takes 5 to 10 minutes
2. At the VMWare ESXi Boot screen, press **F2** to configure your system:



3. At the prompts, enter:
 - a. **Login Name:** root
 - b. **Password:** password
4. Select **Configure Management Network**
5. Select **IPV4**
6. Select the checkbox for **Select Static IPV4 Address and Network Configuration**
7. Enter the IP address information
8. Press **Enter** to save settings
9. Press **Escape**
10. At the prompt, select **Apply changes and restart management network**
11. To accept, press **Y**

12. This will return you to the Black and Yellow ESXi boot screen, where the IP address information you entered will be displayed
13. From a web browser on a separate computer, navigate to that IP address (<http://xxx.xxx.xxx.xxx/>), which will bring up this screen:

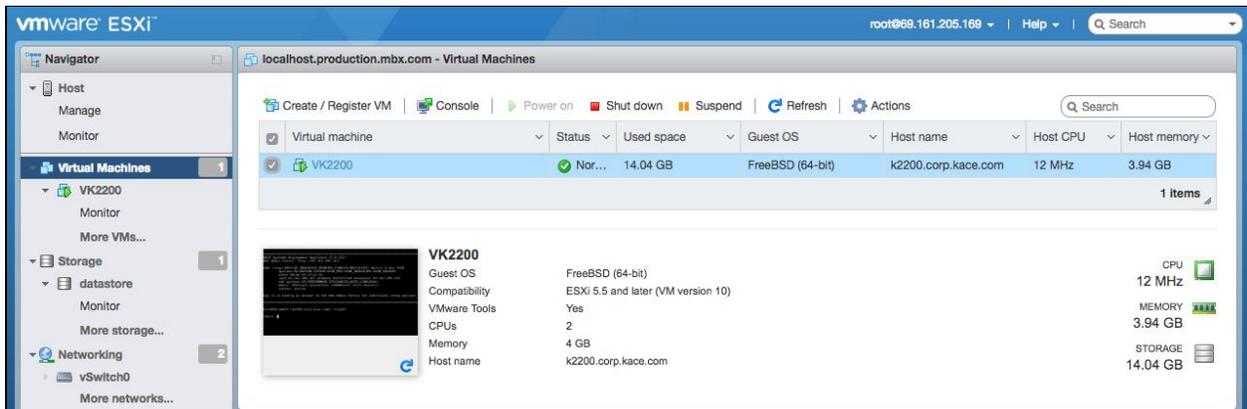


14. At the prompts, enter:
 - a. **User Name:** root
 - b. **Password:** password

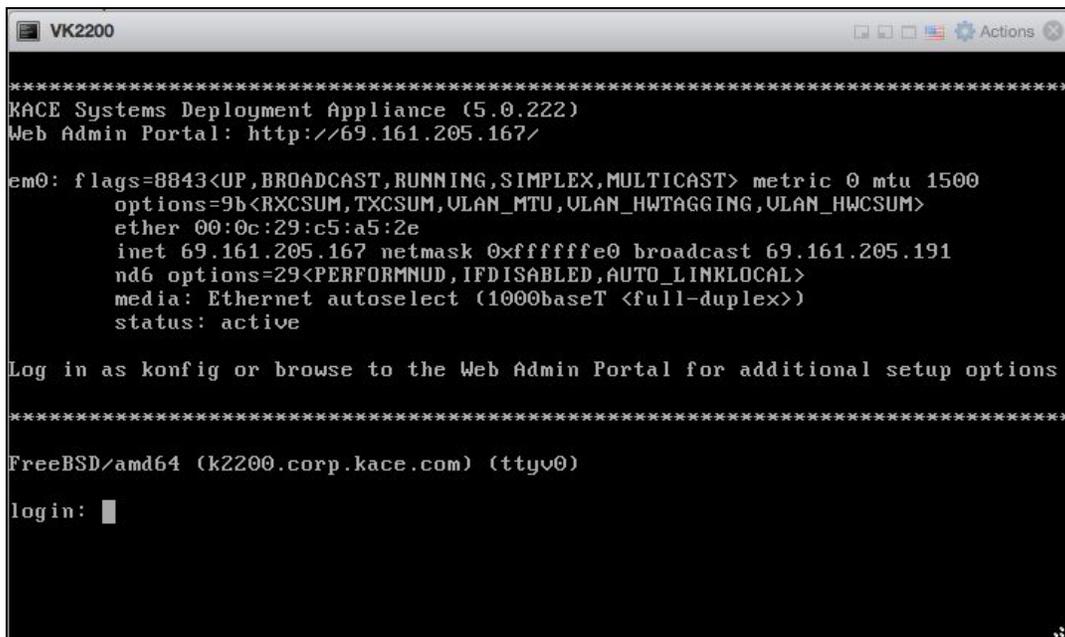
KACE Software

Once your server IP address is configured, the system will boot into the KACE software. These instructions will get you to the Command Line Console, where you will configure the network settings and configure the software for your network.

1. Select **Virtual Machines** in the left navigation bar
2. Select the checkbox left of the name of the virtual machine in the middle of the screen
3. Once you've selected this check box, a small image of a console window will appear below the virtual machine name



4. If you mouse over the console window image, a pop up appears with the text **Click to open a browser console to this virtual machine**
5. Click on the console window image and a window will open with the Command Line Console for this virtual machine



6. At the prompts, enter:
 - a. **login:** konfig
 - b. **Password:** konfig
7. The first time you log in, you will see the following:
 - a. Choose the language to use for the Command Line Console using the up- and down-arrow keys to move between fields
8. Configure the following network settings (description of these settings is shown below) using the right- and left-arrow keys to select options in a field; use the up- and down-arrow keys to move between fields

Option	Description
Host Name	Enter the hostname of the server. The default is k2000.
Subnet Mask	Enter the subnet (network segment) that the server is on. The default is 255.255.255.0.
IP Address	Enter the static IP address of the server.
Network Speed	Select the speed of your network. This speed should match the setting of your LAN switch. If you select Auto-negotiate, the system determines the best value automatically, provided that the LAN switch supports auto-negotiation.
Domain Name	Enter the domain the server is on. For example, quest.com.
Default Gateway	Enter the network gateway for the server.
Primary DNS	Enter the IP address of the primary DNS server the server uses to resolve hostnames.
Secondary DNS	Optional: Enter the IP address of the secondary DNS server the server uses to resolve hostnames.
Allow SSH Root Login (Quest Support)	Optional: Select this option to enable SSH (secure) access to the KACE Systems Deployment server Administrator Console. Quest KACE recommends that you enable SSH during the initial setup. When the setup is complete, you can change the setting in the Administrator Console as needed.

Proxy

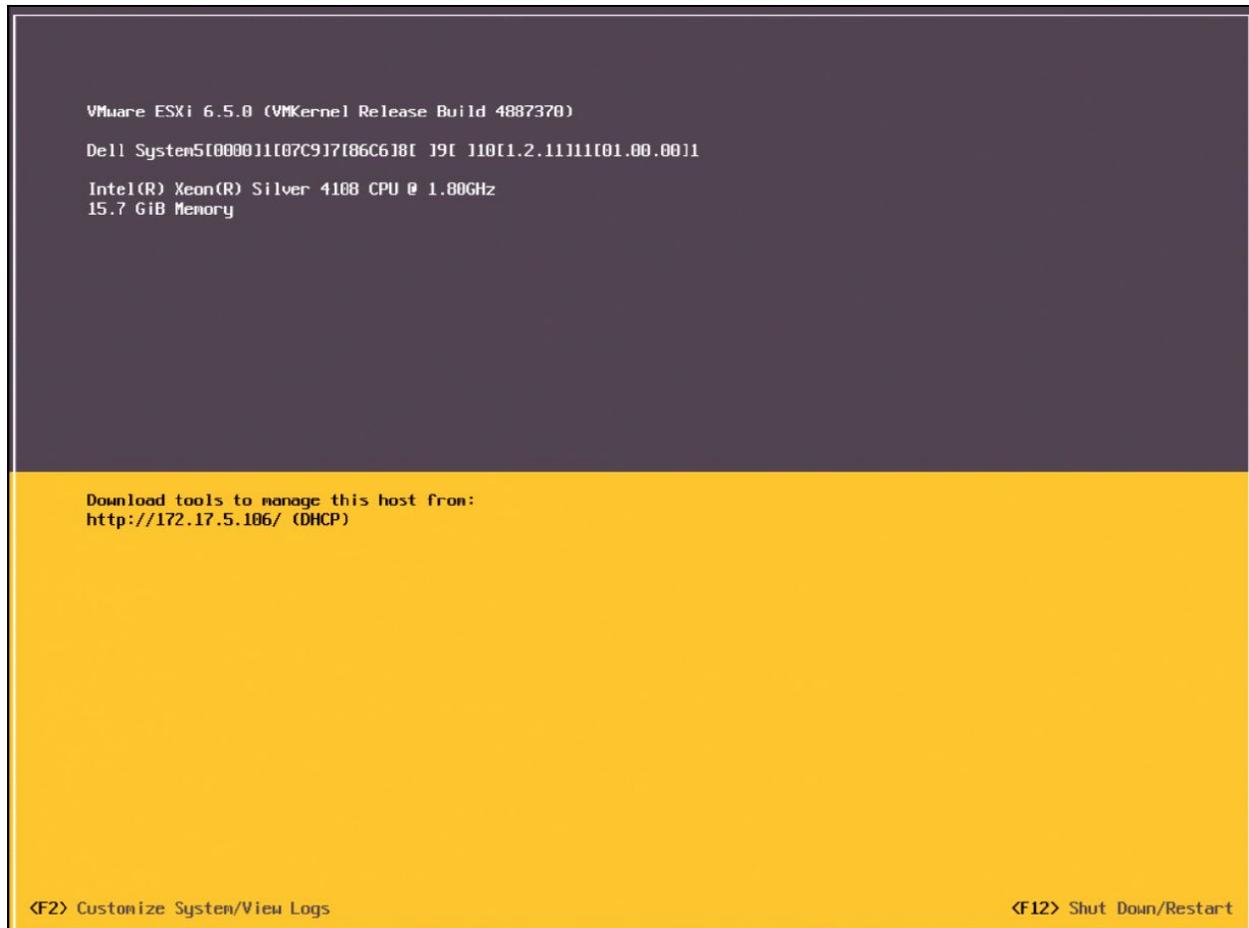
Optional: Enter proxy server information.
The server supports proxy servers that use basic, realm-based authentication requiring usernames and passwords. If your proxy server uses a different kind of authentication, add the server's IP address to the proxy server's exception list.

9. Use the down-arrow key to move the cursor to Save, then press Enter or Return.
The server will restart.

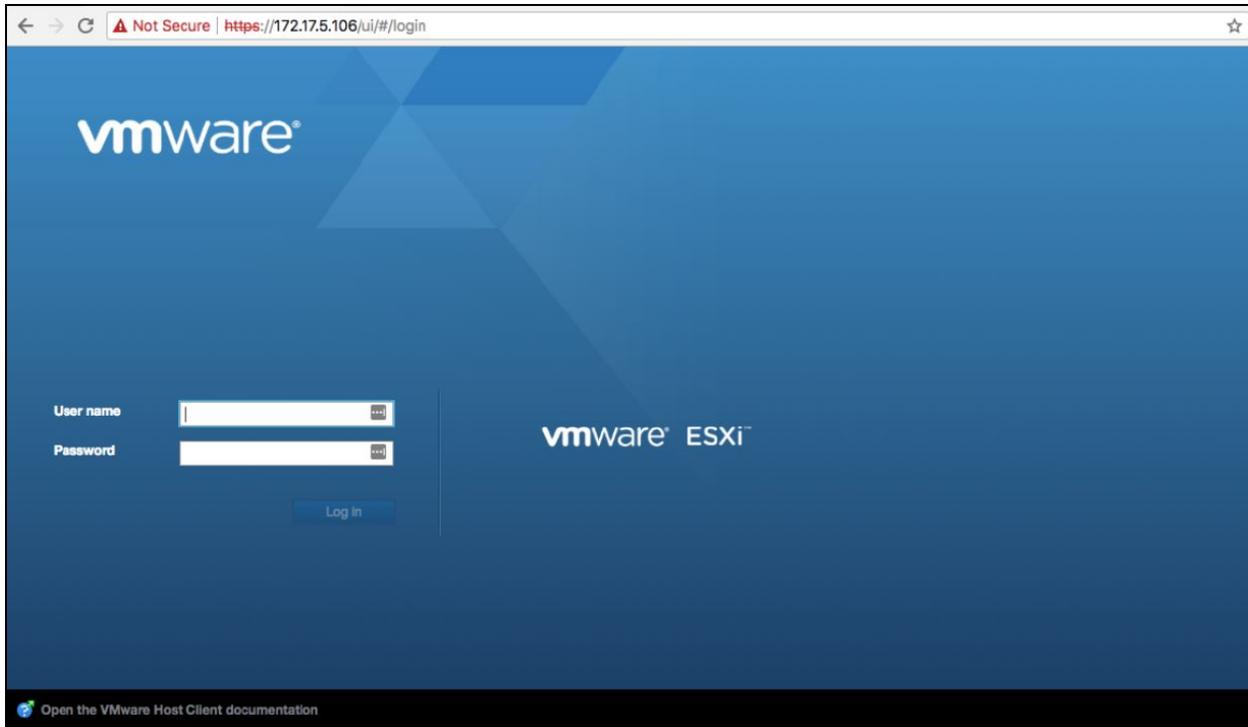
Configuring Link Aggregation (optional)

After the network settings are configured and the server restarts, you can optionally use link aggregation configuration for network redundancy and failover by following these steps:

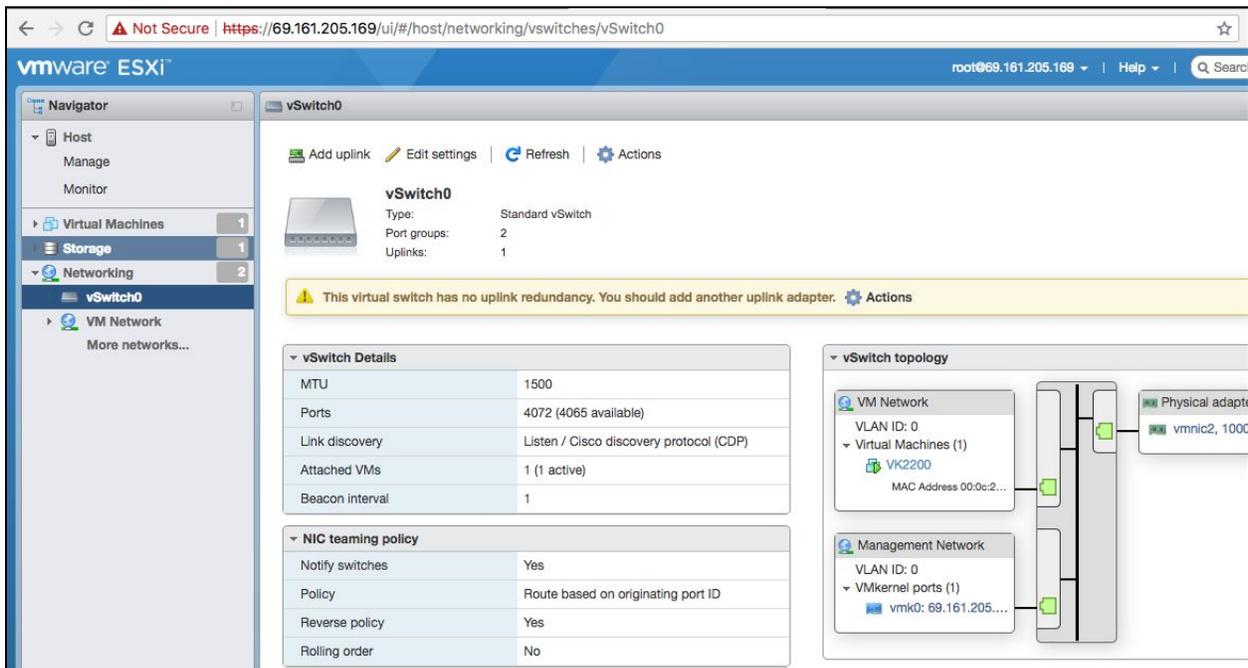
1. Obtain the IP of the system from the boot up screen



2. From a web browser on a separate computer, navigate to that IP address (<http://xxx.xxx.xxx.xxx/>) and at the prompts, enter:
 - a. **User name:** root
 - b. **Password:** password



3. From the following screen, under **Networking** click **vSwitch0** and **Add uplink**



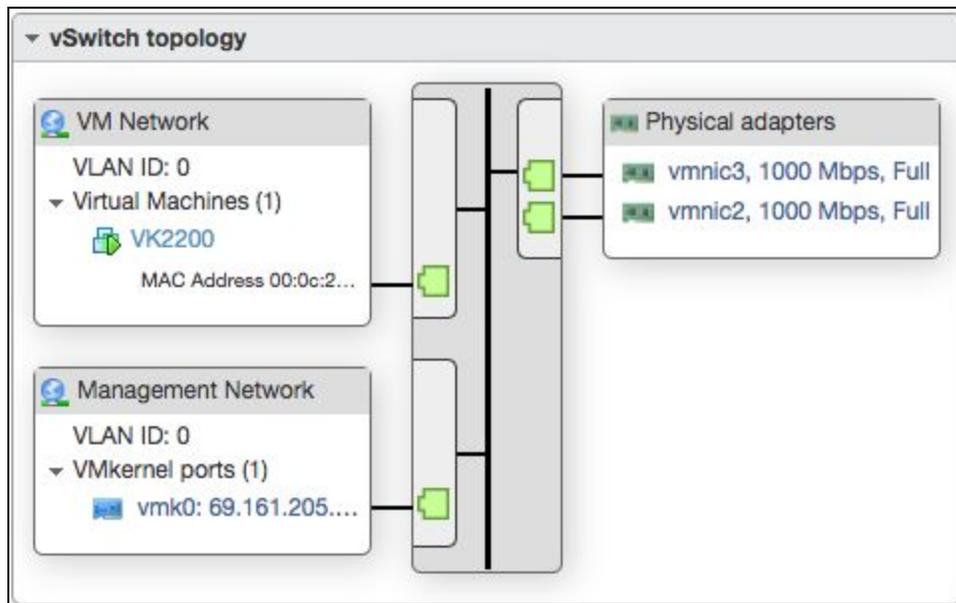
4. In the screen that opens, for **Uplink 2**, select **vmnic3**. For **Load balancing**, select **Route based on IP hash**, and for both **Notify switches** and **Failback**, select **Yes**.

 Edit standard virtual switch

 Add uplink

vSwitch Name	<input type="text" value="vSwitch0"/>									
MTU	<input type="text" value="1500"/>									
Uplink 1	<input type="text" value="vmnic2"/> 									
Uplink 2	<input type="text" value="vmnic3"/> 									
▶ Link discovery	Click to expand									
▶ Security	Click to expand									
▼ NIC teaming										
Load balancing	<input type="text" value="Route based on IP hash"/>									
Network failover detection	<input type="text" value="Link status only"/>									
Notify switches	<input checked="" type="radio"/> Yes <input type="radio"/> No									
Failback	<input checked="" type="radio"/> Yes <input type="radio"/> No									
Failover order	 Mark standby  Move up  Move down <table border="1"><thead><tr><th>Name</th><th>Speed</th><th>Status</th></tr></thead><tbody><tr><td> vmnic2</td><td>1000 Mbps, full duplex</td><td>Active</td></tr><tr><td> vmnic3</td><td>Link down</td><td>Active</td></tr></tbody></table>	Name	Speed	Status	 vmnic2	1000 Mbps, full duplex	Active	 vmnic3	Link down	Active
Name	Speed	Status								
 vmnic2	1000 Mbps, full duplex	Active								
 vmnic3	Link down	Active								
▶ Traffic shaping	Click to expand									

5. You should see two NICs assigned to the VM and Management networks.



Log in to the Administrator Console

After the network settings are configured and the server restarts, log in to the KACE Systems Deployment Server Administrator Console from any computer on the LAN (local area network).

1. Open a web browser and enter the Administrator Console URL: `http://hostname`. For example, `http://KACE_SDA`.
2. Provide the following information:

Setting	Description
License Key	Enter the license key you received in the Welcome e-mail from Quest. Include the dashes. If you do not have a license key, contact Quest Support at https://support.quest.com/contact-support
Administrator Password	Enter a password for the default admin account, which is the account you use to log in to the server Administrator Console. The default admin account is the only account on the server at this time. If you forget the password for this account, the system

might have to be reset to factory defaults which can result in loss of data.

If you have multiple KACE SDA or SMA (Systems Management) servers, Quest KACE recommends that you use the same password for the admin account on all servers. This enables you to link the servers later. For more information, see the server Administrator Guide.

Registration Data

Enter the name of your company or group and the e-mail address of the person or group that you want to receive logs and notifications from the server.

Network Connectivity

The physical and virtual KACE SDA servers must be connected to the network to validate the license information.

Time Zone

Select the time zone where the server is located.

3. Accept the End User License Agreement (EULA), then log in using the login ID admin and the password you chose on the initial setup page. The Administrator Console appears and the server is ready for use.

Configure iDRAC for Drive Failure Alerts

First, you must have an IP Address configured for iDRAC:

1. Power on the server
2. Press **F2** during Power-on Self-Test (POST)
3. In the System Setup Main Menu page, select **iDRAC Settings**
4. Select **Network**
5. Specify the following settings
 - a. Network Settings
 - b. Common Settings
 - c. IPv4 Settings
 - d. IPv6 Settings
 - e. IPMI Settings
 - f. VLAN Settings
6. Select **Back**
7. Select **Finish**
8. Select **Yes** which will save the network information and reboot

Setting Up Drive Failure Alerts

After the IP Address is configured for iDRAC, you can set up Drive Failure Alerts. When first booting the machine, note the iDRAC IP on the top of the screen. From a web browser on a separate computer, navigate to that IP address (<http://xxx.xxx.xxx.xxx/>) and at the prompts:

- a. **User name:** root
- b. **Password:** calvin

“calvin” is the default password used by Dell, if you’d like to keep using this, select **Keep Default Password** and then select **Continue**. If you’re prefer to change this, [see page 42 of this iDRAC guide](#).

1. Once you’re logged in, in iDRAC Web interface, go to **Configuration > System Settings > Alert Configuration**. The **Alerts** page is displayed.
2. Under **Alerts** section:
 - a. Select **Enable** to enable alert generation
3. Select **Apply** to save the setting
4. Obtain details from your IT department on your SMTP server.
 - a. Under **SMTP (E-mail) Configuration** and **SMTP (E-mail) Server Settings**, enter those details
 - b. Select **Apply** to save the settings
5. Under **SMTP (E-mail) Configuration** enter the e-mail address(es) where you want alerts to be sent
 - a. You may wish to send a test e-mail at this time. To do so, select the **Send** button. If you do not receive an email, contact your IT department
6. Select **Apply** to save the settings
7. Under **Alerts and Remote System Log Configuration**, select the **E-mail** box for the alerts you wish to receive
8. Under **System Health > Physical Disk**, select **warning** and **critical** events
9. Under **System Health > IDSDM (Absent, Media and Redundancy)**, select **warning** and **critical** events
10. After you have selected all the alerts you wish to receive, select **Apply**

Support

For **hardware**-related installation or support questions, please contact Dell ProSupport at 1-800-456-3355 or enter a [service tag](#).

For **software**-related installation or support questions, please contact [Quest](#):

[SMA](#) Support Page

[SDA](#) Support Page

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