



VidyoDashboard Installation Guide



Product Version 1.0

Document Version 1.0-B

Table of Contents

1. Overview	3
About This Guide.....	3
Prerequisites.....	3
2. Installing VidyoDashboard	5
Installing the OVA for VMware ESXi.....	5
Configuring the Network Settings	11
Configuring the Network Time Protocol (NTP) Server and Time Zones	13
Configuring the VidyoDashboard Application	15
Installing OVA for VMware Player/Workstation	19

1. Overview

VidyoDashboard version 1.0 is a free software option providing VidyoConferencing™ (version 2.2.1 and later) system administrators with key information to better monitor system usage and generate usage reports. It provides dynamic online graphic display of license consumption and server utilization, as well as filterable and exportable tables of Call Detail Records. The software is available as a VMware Virtual Machine.

Note: VidyoDashboard 1.0 is not compatible with the VidyoPortal Hot Standby software option. Customers who use the Hot Standby software option for VidyoPortal should not use VidyoDashboard 1.0.

ABOUT THIS GUIDE

This guide is intended for anyone who is installing VidyoDashboard (typically a Super Admin of the VidyoConferencing™ system).

If you want information about how to use VidyoDashboard, refer to the *VidyoDashboard User Guide*.

PREREQUISITES

- Port TCP 3306 must be open between the VidyoDashboard server and the VidyoPortal™.
- You must have one of the following Hypervisors:
 - ESXi Server v5.0.0:
 - Must be compliant with the VMware qualified hardware list (for example: <http://www.vmware.com/resources/compatibility/search.php>).
 - Must be an Intel-based server with available Virtual Machine provisioning requirements listed below **and** must support Intel Nehalem architecture, with AES-NI and hyper-threading enabled.
 - VMware Player/Workstation v5.0.0 or greater (with available Virtual Machine provisioning requirements listed on the following table).
 - Another comparable Hypervisor (with available Virtual Machine provisioning requirements listed on the following table).
- Virtual Machine provisioning requirements:

	Minimum	Recommended	Notes
CPU	Single 2.4GHz or better	Dual core or better, 1.7 GHz per core or better	OVA is set for 2 cores; if you are using a single core, the virtual machine settings should be adjusted accordingly after deployment.
RAM	2GB	4GB	OVA is set for 4GB RAM; if you are using less, the virtual machine settings should be adjusted

	Minimum	Recommended	Notes
			accordingly after deployment.
Storage Space	10GB of free hard drive space	50GB of free hard drive space	OVA is set for 50GB max; with Thin deployment, the virtual machine starts at around 3 GB and adjusts up from there. The virtual machine settings can be adjusted higher or lower if needed depending on the size of the CDR database.

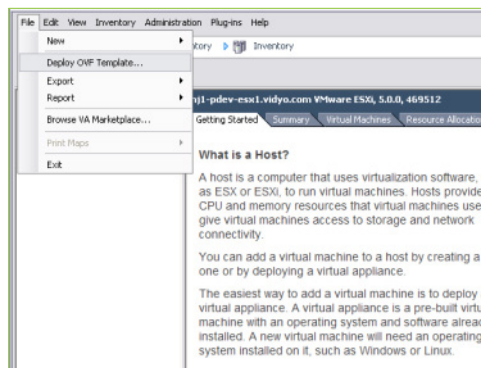
2. Installing VidyoDashboard

VidyoDashboard is shipped as a VMware OVA file which includes Ubuntu 12.04 with VidyoDashboard pre-deployed. You just need to configure the application as described in this chapter.

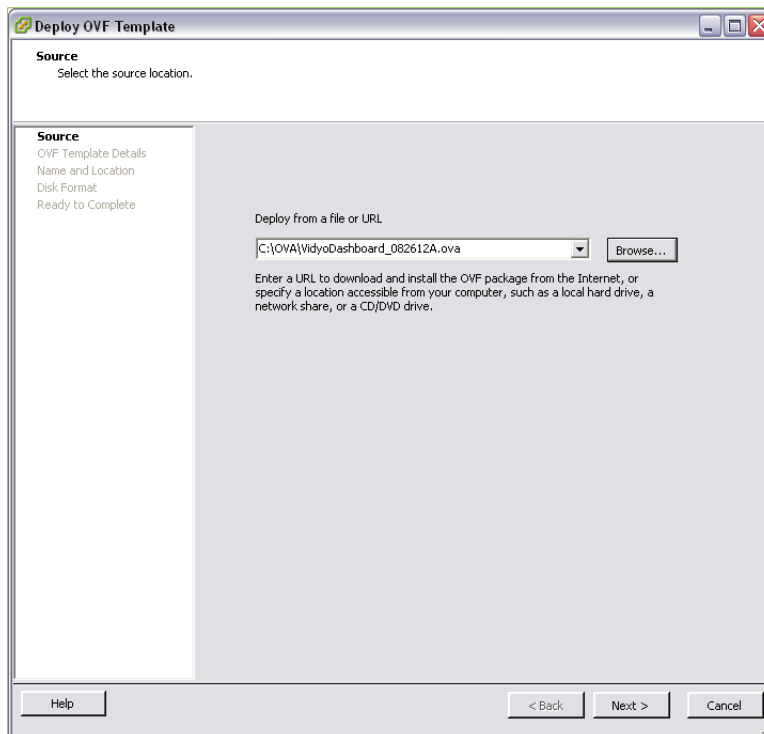
INSTALLING THE OVA FOR VMWARE ESXI

To install the OVA for VMware ESXi:

1. Open the vSphere client.
2. Select **Deploy OVF Template** from the File menu.

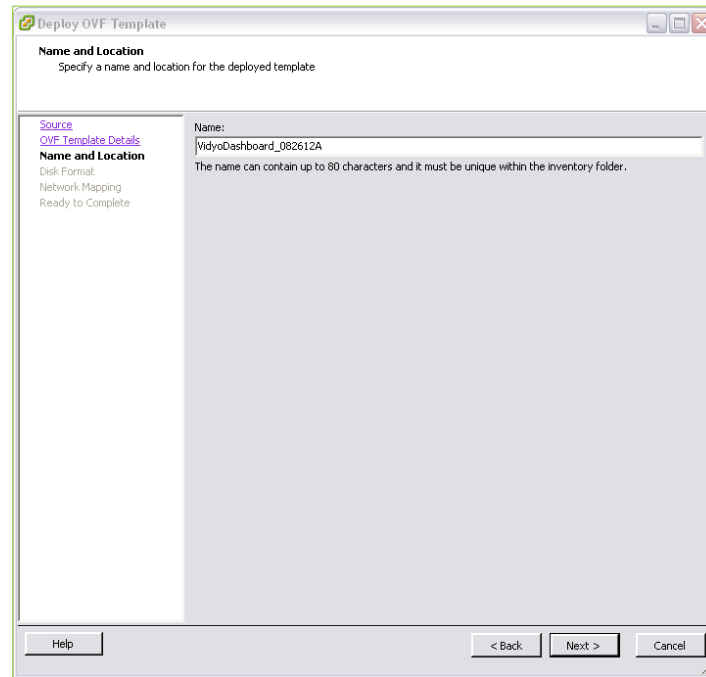


The Source page of the Deploy OVF Template installation wizard appears.



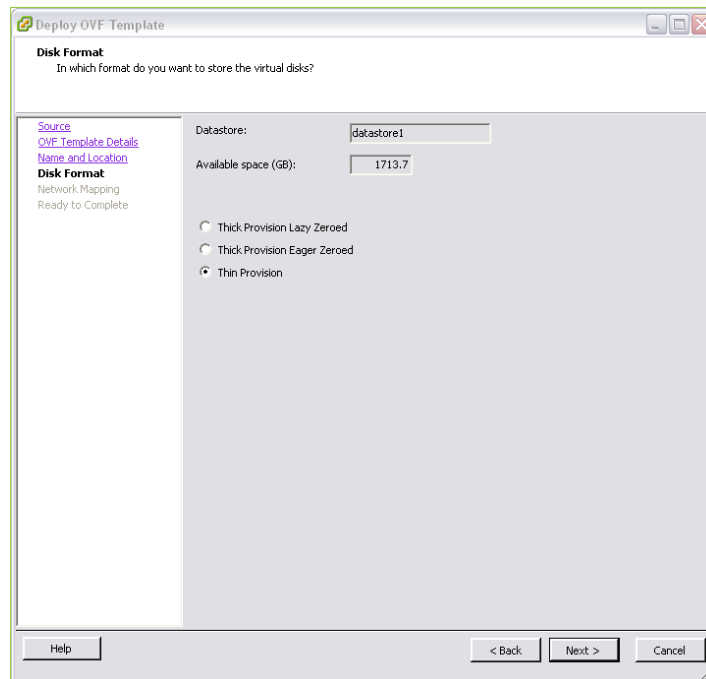
3. Browse to the location of the OVA file and click **Next**.

The Name and Location page of the Deploy OVF Template installation wizard appears.



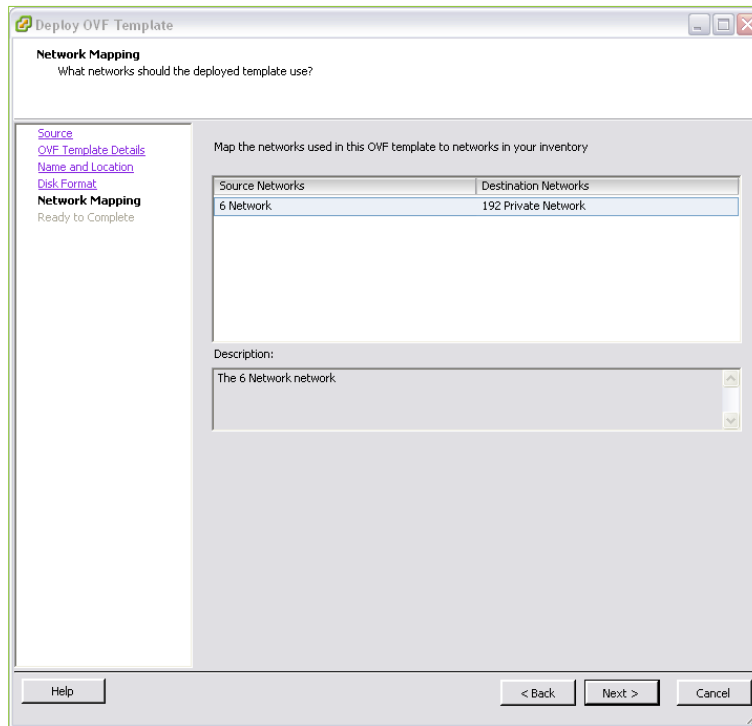
4. Enter a name for the OVA deployment and click **Next**.

The Disk Format page of the Deploy OVF Template installation wizard appears.



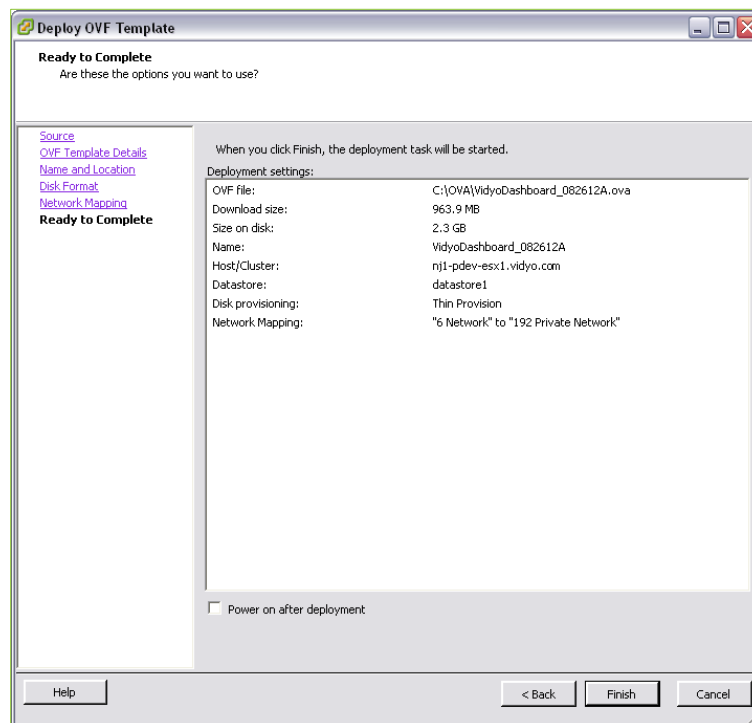
5. Select the **Thin Provision** radio button and click **Next**.

The Network Mapping page of the Deploy OVF Template installation wizard appears.



6. Select the appropriate VM network.

The Ready to Complete page of the Deploy OVF Template installation wizard appears.

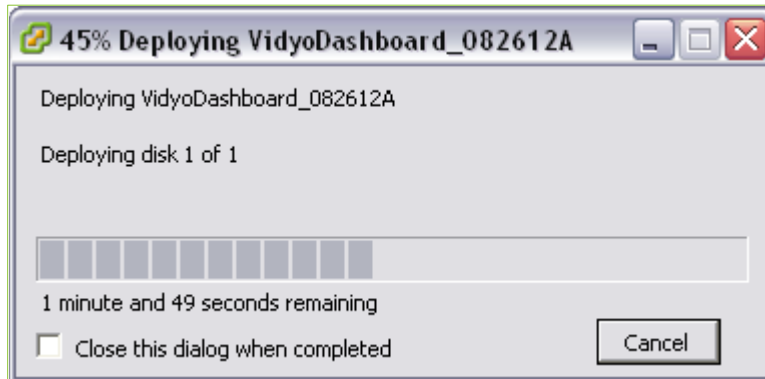


IMPORTANT: Do NOT select the **Power on after deployment** checkbox because you must modify some settings first.

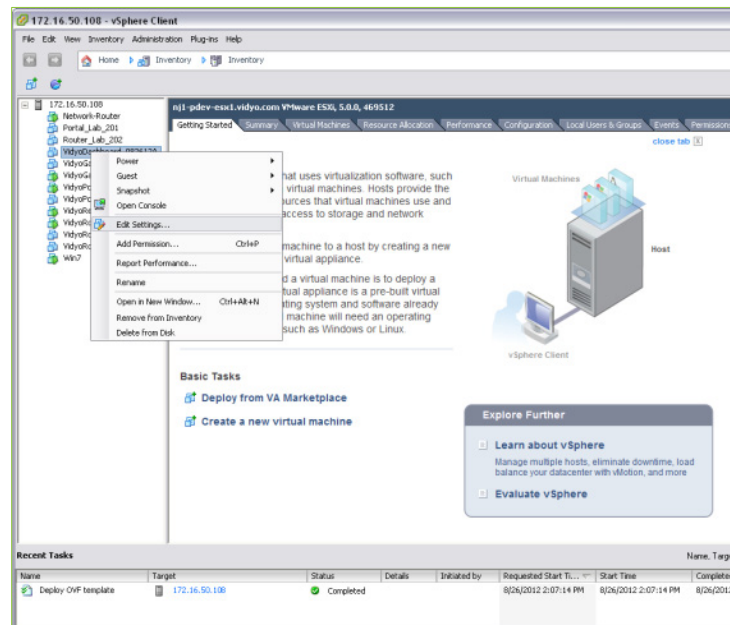
7. Click **Finish**.

The deployment begins.

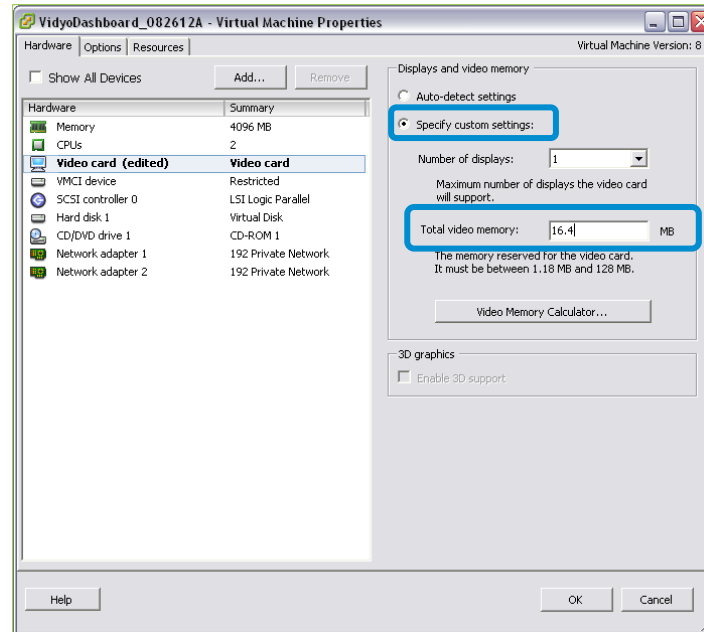
Note: The deployment may take some time to run depending on the network between the OVA location and the ESXi server.



8. When your deployment finishes, right-click your virtual machine and select **Edit Settings** to access the Virtual Machine Properties.



- a. Select **Specify custom settings**.

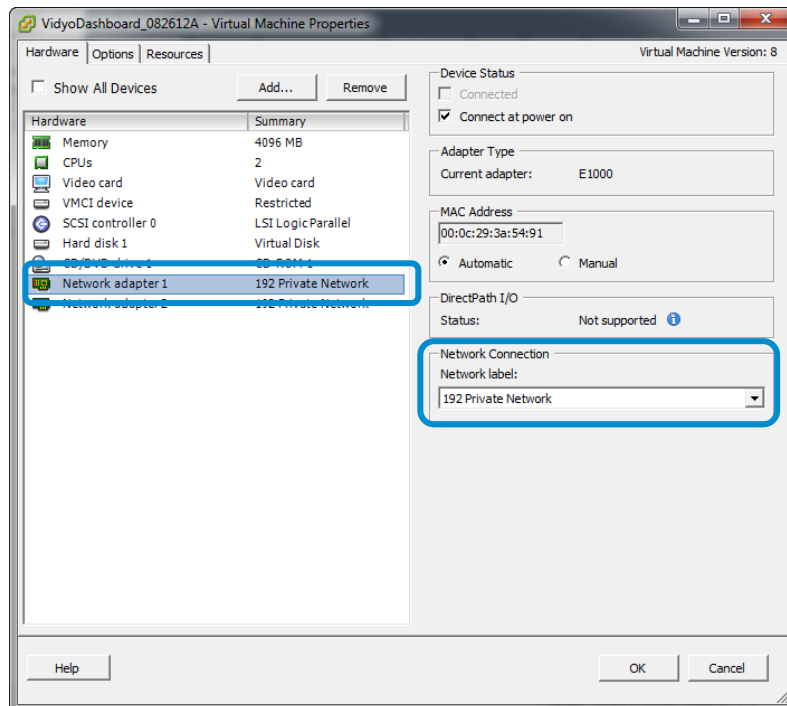


- b. Set the Total video memory value to **16.4 MB**.

This video memory value setting helps avoid event errors.

- c. Click **OK**.

9. Select **Edit Settings** to access the Virtual Machine Properties again.



- a. Select the appropriate Network Connection for your Virtual Machine's IP and network from the Network adapters listed on the left.

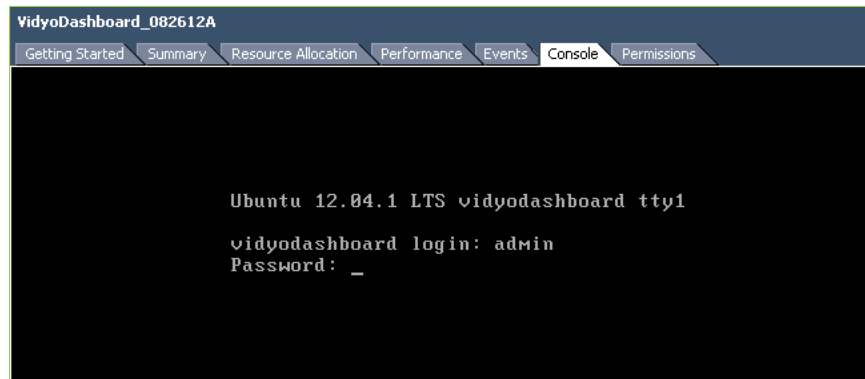
Typically, **Network adapter 1** is selected; however, it depends on your Hypervisor setup.

- b. Select the appropriate **Network label** under Network Connection.
- c. Click **OK**.

- 10. Power on the VidyoDashboard virtual machine.

Wait for the VidyoDashboard virtual machine to power up before continuing with the next step.

- 11. Select the Console tab to access the VidyoDashboard server console.



- 12. Log in to the Shell Admin menu.

The default credentials for the Shell Admin menu deployed by the OVA package are:

- User Name: **admin**
- Password: **password**

- 13. Enter the current default password at the first prompt, and then enter your secure password.

When selecting a new password, follow these guidelines:

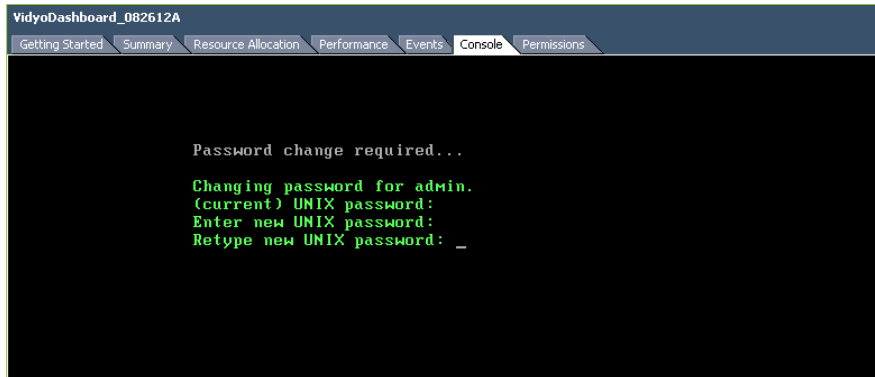
- **The password should not be based on the dictionary.**
- **The password should not be too similar to the old password.**

The new password should be at least three characters different from the old password.

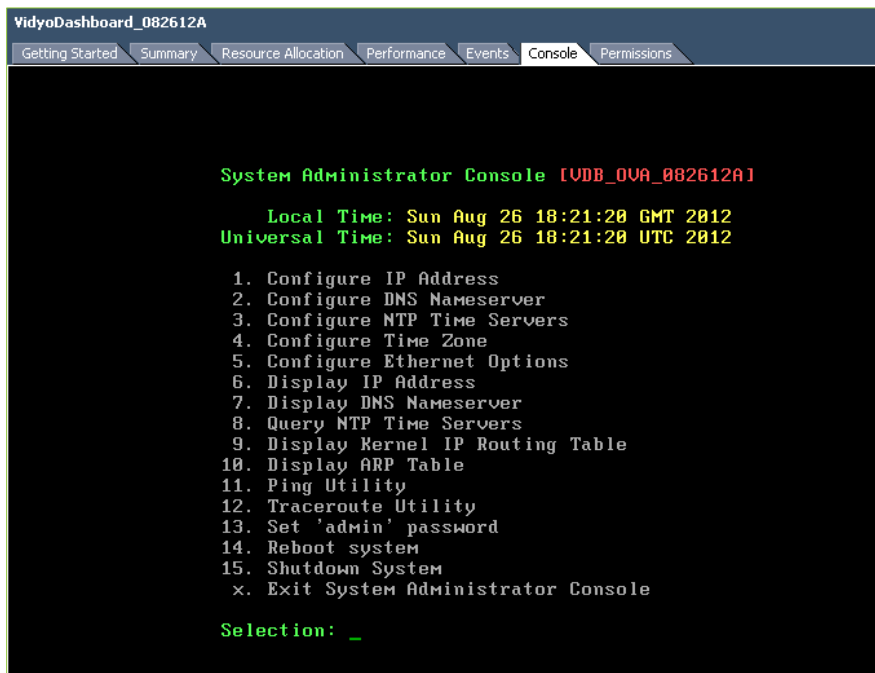
- **The password should not be too simple or too short.**

The algorithm here is a point system to satisfy the minimum password length (the default length is eight characters). The password gets extra points if it contains a number, an upper case character, a lower case character, or a special character. Each point is equivalent to one character.

- The password should not be a case change only of the old password or should not be the reverse of the old password.



The System Administrator Console Main menu appears.



For more information about the System Administrator Console menu, refer to the *VidyoConferencing Administrator Guide*.

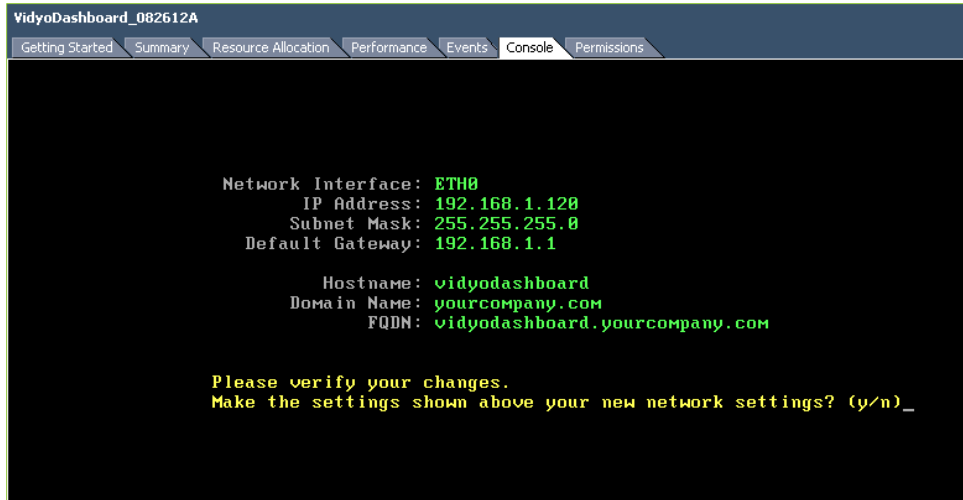
CONFIGURING THE NETWORK SETTINGS

Once you have accessed the System Administrator Console Main menu, you must configure the network settings for the server.

To configure the network settings:

1. Select 1. Configure IP Address.

2. Enter the server IP address, subnet mask, default gateway address, hostname, domain name, and Fully Qualified Domain Name (FQDN), and press Enter after entering each setting.



```

VidyoDashboard_082612A
Getting Started Summary Resource Allocation Performance Events Console Permissions

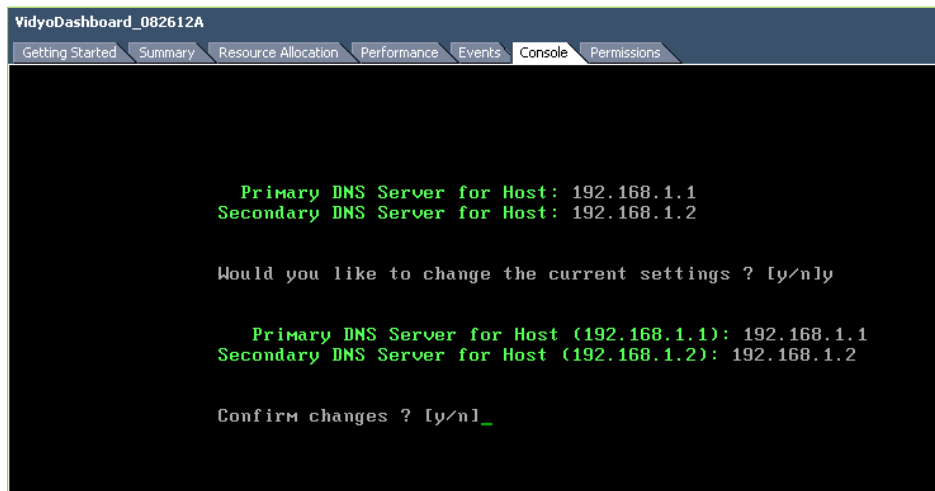
Network Interface: ETH0
IP Address: 192.168.1.120
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.1.1

Hostname: vidyodashboard
Domain Name: yourcompany.com
FQDN: vidyodashboard.yourcompany.com

Please verify your changes.
Make the settings shown above your new network settings? (y/n)_

```

3. Select 2. Configure DNS Nameserver.



```

VidyoDashboard_082612A
Getting Started Summary Resource Allocation Performance Events Console Permissions

Primary DNS Server for Host: 192.168.1.1
Secondary DNS Server for Host: 192.168.1.2

Would you like to change the current settings ? [y/n]_

Primary DNS Server for Host (192.168.1.1): 192.168.1.1
Secondary DNS Server for Host (192.168.1.2): 192.168.1.2

Confirm changes ? [y/n]_

```

4. Enter the primary and secondary DNS server addresses, and press Enter after entering each setting.
5. Type Y to confirm your changes.

For more information about the System Administrator Console menu, refer to the *VidyoConferencing Administrator Guide*.

CONFIGURING THE NETWORK TIME PROTOCOL (NTP) SERVER AND TIME ZONES

Now you must configure the NTP time servers, and then set the time zone on your virtual machine so it's synchronized with your connected VidyoPortal.

IMPORTANT: Setting the time zone on your virtual machine so it's synchronized with the physical location of your connected VidyoPortal ensures correct time attributes on call records when synchronizing with the VidyoPortal CDR database.

To configure the time NTP time servers:

1. Select 3. **Configure NTP Time Servers.**
2. If you previously specified an NTP server, type **Y** to confirm you want to change the current settings.
3. Enter the IP of your preferred NTP time server.
4. Type **Y** to confirm your changes.

To configure your virtual machine's time zone:

1. Select 4. **Configure Time Zone.**

The package configuration screen is shown.



2. Select the Geographic area where your connected VidyoPortal server is located using the up and down arrow keys.

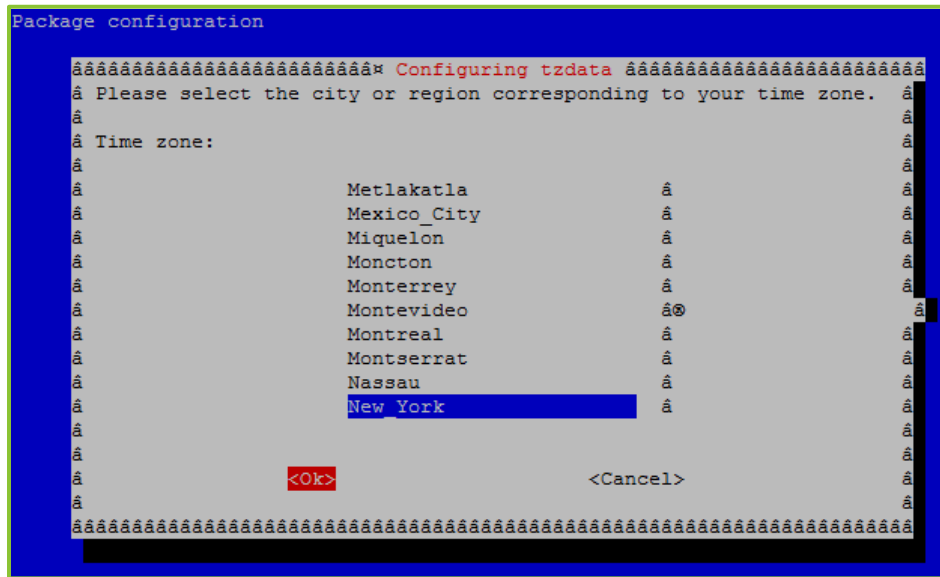
Note: The following steps use a Geographic area of America and Time zone of New York for demonstrative purposes.

3. With the desired Geographic area highlighted, press the right arrow key.

The focus moves to the Ok selection.

4. Press **Enter**.

A menu containing Time zones based on your previous Geographic area selection is shown.



5. Select the Time zone in which your connected VidyoPortal server is located using the up and down arrow keys.

Note: The following steps use a Geographic area of America and Time zone of New York for demonstrative purposes.

6. With the desired Time zone highlighted, press the right arrow key.

The focus moves to the Ok selection.

- 7. Press Enter.**

8. You are then shown two different screens based on whether or not your selections happen to match your current settings.

- a. If your selections match your current settings, you'll be asked to press a key to continue.

```
Current default time zone: 'America/New_York'
Local time is now:      Wed Feb 20 17:29:23 EST 2013.
Universal Time is now:  Wed Feb 20 22:29:23 UTC 2013.

press any key...
```

- b. If your selections change your current Timezone settings, a warning is shown and you must reboot your server for the change to take effect.

```
Current default time zone: 'America/New_York'
Local time is now:      Wed Feb 20 17:29:00 EST 2013.
Universal Time is now:  Wed Feb 20 22:29:00 UTC 2013.

Warning!!! Timezone has been changed...

Please make sure to reboot server for all changes to take effect...

Press Enter to Continue... █
```

- c. Press Enter.

CONFIGURING THE VIDYODASHBOARD APPLICATION

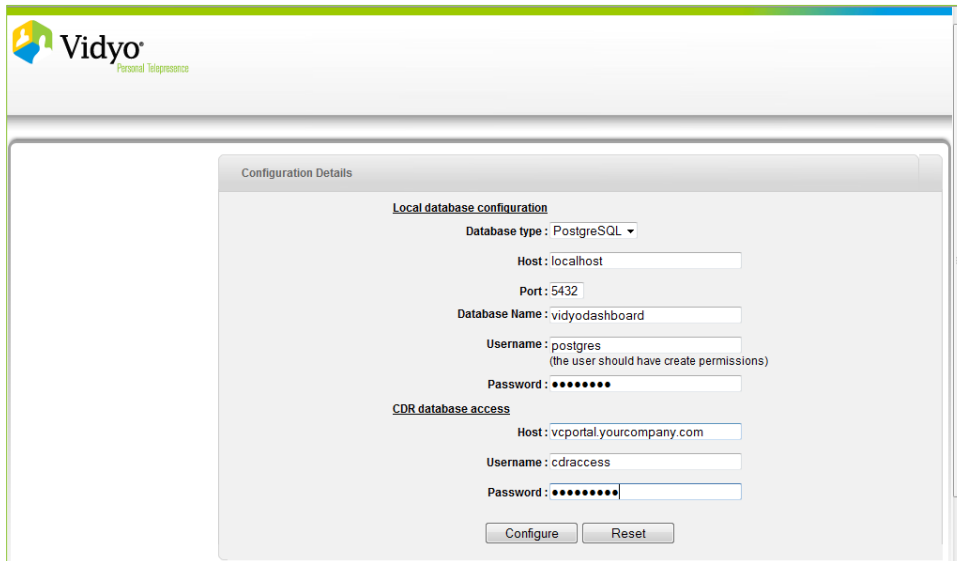
To configure the VidyoDashboard application:

1. Navigate to <http://{server IP or FQDN}/VidyoDashboard/configuration.jsp>.
2. In the “Local database configuration” section of the Configuration Details page:
 - a. Leave the defaults as they are in these fields:
 - Database type: **PostgreSQL**
 - Host: **localhost**
 - Port: **5432**
 - b. The Database Name field is pre-filled, but you can change it.
Avoid using special characters in this field.
 - c. Leave the defaults in the remaining fields:
 - Username: **postgres**
 - Password: **postgres**

The application pulls the data from the CDR database and stores it in the local database.

IMPORTANT: Do not change your VidyoPortal hostname after completing this VidyoDashboard configuration procedure.

3. In the “CDR database configuration” section of the Configuration Details page:
 - a. Enter the VidyoPortal FQDN or IP address in the Host field.

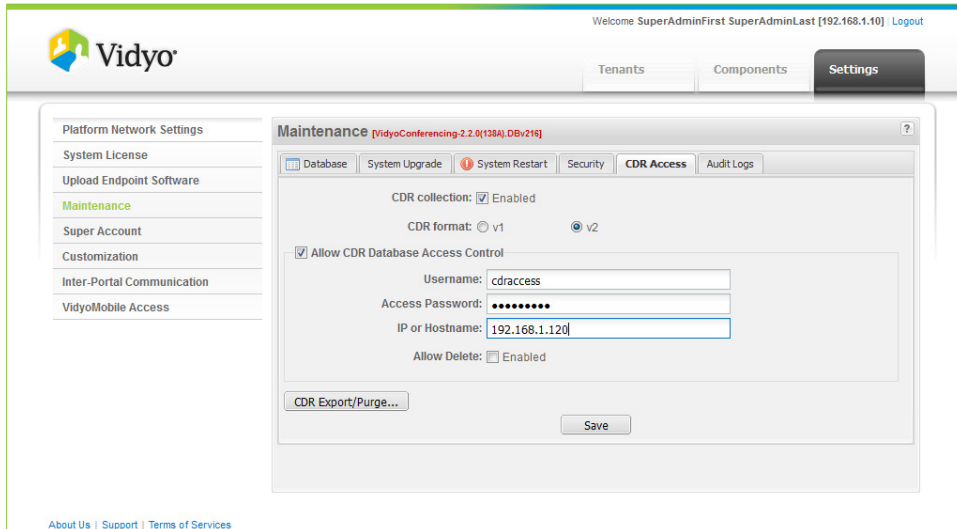


The screenshot shows the Vidyo Configuration Details page. The 'Local database configuration' section is expanded, showing fields for Database type (PostgreSQL), Host (localhost), Port (5432), Database Name (vidyodashboard), Username (postgres), and Password. The 'CDR database access' section is also visible, showing fields for Host (vcportal.yourcompany.com), Username (cdraccess), and Password. There are 'Configure' and 'Reset' buttons at the bottom.

- b. Enter the CDR access username and password in the Username and Password fields.

This must match what is configured for CDR access on the VidyoPortal as set on the Super Admin Pages › Settings › Maintenance › CDR Access page (shown in the following illustration).

Note: VidyoDashboard only supports CDR v2. You must use CDR v2 on both your VidyoPortal and select the CDR v2 format on this VidyoDesktop screen.

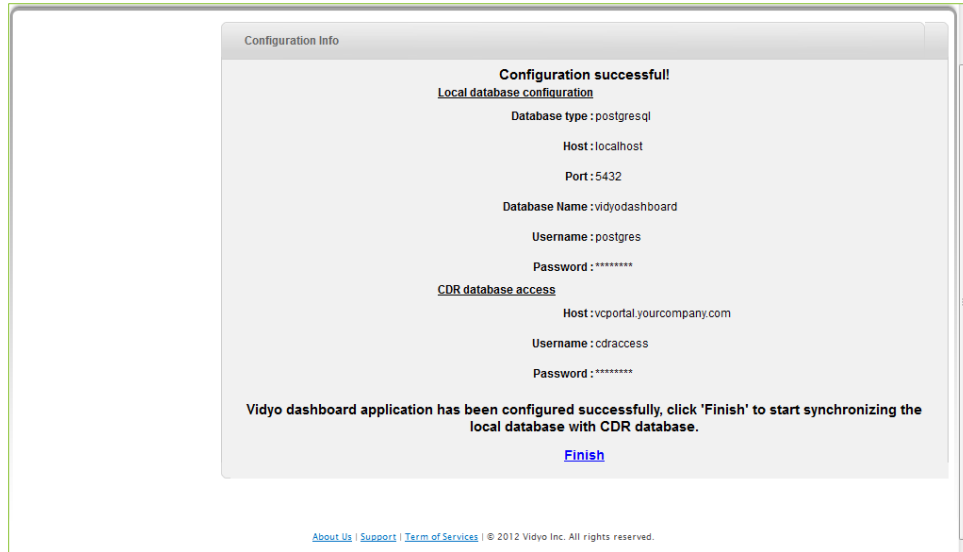


The screenshot shows the Vidyo Maintenance page. The 'CDR Access' tab is selected, showing fields for CDR collection (Enabled), CDR format (v2), Allow CDR Database Access Control (checked), Username (cdraccess), Access Password, IP or Hostname (192.168.1.120), and Allow Delete (Enabled). There are 'CDR Export/Purge...' and 'Save' buttons at the bottom.

4. Review the information you entered on the Configuration Details page, and then click the **Configure** button.

VidyoDashboard validates the information you entered, creates the required tables in your local database, and creates configuration files.

5. Once the file is copied, click **Finish**.



VidyoDashboard starts synchronizing the local database with the CDR database.

Note: The synchronization may take some time to run depending on the size of the CDR database and the network between the VidyoDashboard server and the VidyoPortal.

After the synchronization is done, the VidyoDashboard Login screen appears.

6. Log in and test all scenarios.

Use these credentials to log in:

- User Name: **admin**
- Password: **password**

7. Go to the Settings > Account page and do the following:

- a. Change the default login credentials.

The screenshot shows the 'Edit Account Info' page in the Vidyo dashboard. The page has a sidebar with 'CDR Access', 'Account', and 'VidyoRouter'. The main content area is titled 'Edit Account Info' and contains the following fields:

- Username: admin
- ☒ Change Password
- Password: [masked]
- Verify Password: [masked]
- Buttons: Save, Cancel

- b. Click the **Save** button.

For more information about entering or changing information on the Edit Account Info page, refer to the *VidyoDashboard User Guide*.

8. Go to the Settings > CDR Access page and do the following:

- a. In the Automatic Data Retrieval Interval field, select the time interval at which you want to retrieve the call records from the CDR database.

You can select 5 minutes, 15 minutes, 1 hour, or 24 hours. The default is 15 minutes.

The screenshot shows the 'CDR Access Info' page in the Vidyo dashboard. The page has a sidebar with 'CDR Access', 'Account', and 'VidyoRouter'. The main content area is titled 'CDR Access Info' and contains the following fields:

- Username: cdraccess
- Access Password: [masked]
- IP or Hostname: vcportal.yourcompany.com
- Automatic Data Retrieval Interval: 15 minutes (dropdown menu is open showing options: 5 minutes, 15 minutes, 1 hour, 24 hours)
- Last Data & Time of Retrieval: 2012-07-07 15:07:07
- Buttons: Save, Cancel

- b. Click the **Save** button.

For more information about entering or changing information on the CDR Access Info page, refer to the *VidyoDashboard User Guide*.

9. Take snapshots via the vSphere client.

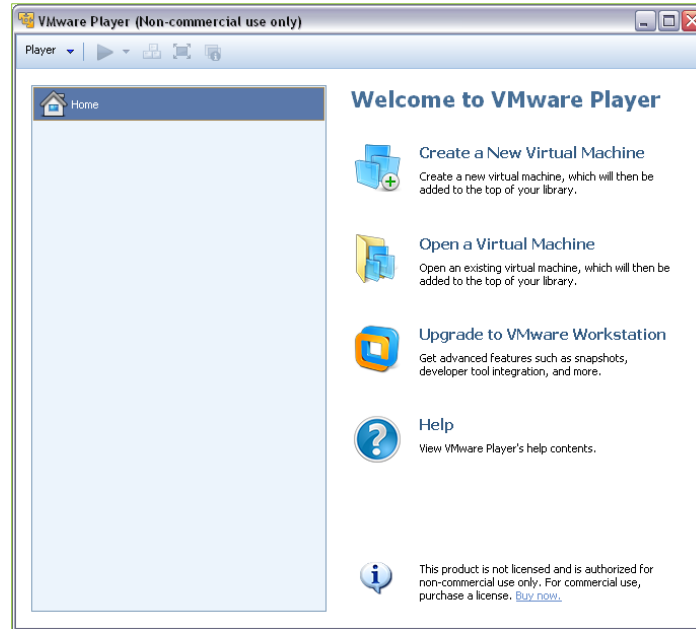
For more information about working with snapshots and VMware, refer to the VMware documentation.

INSTALLING OVA FOR VMWARE PLAYER/WORKSTATION

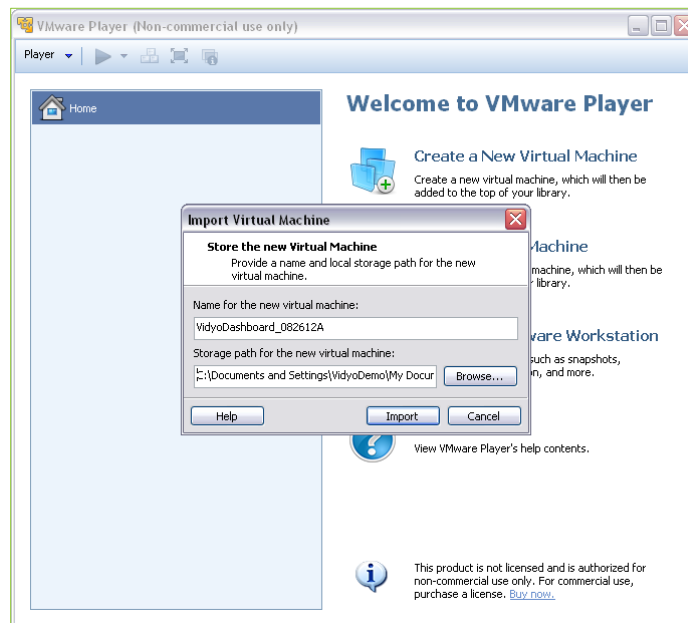
To run the VidyoDashboard OVA on a Windows PC, a Linux PC, or another PC, you may run the virtual machine in a player such as the VMware Player or Workstation.

To install OVA for VMware Player/Workstation:

1. Install the VMware Player/Workstation and launch it.

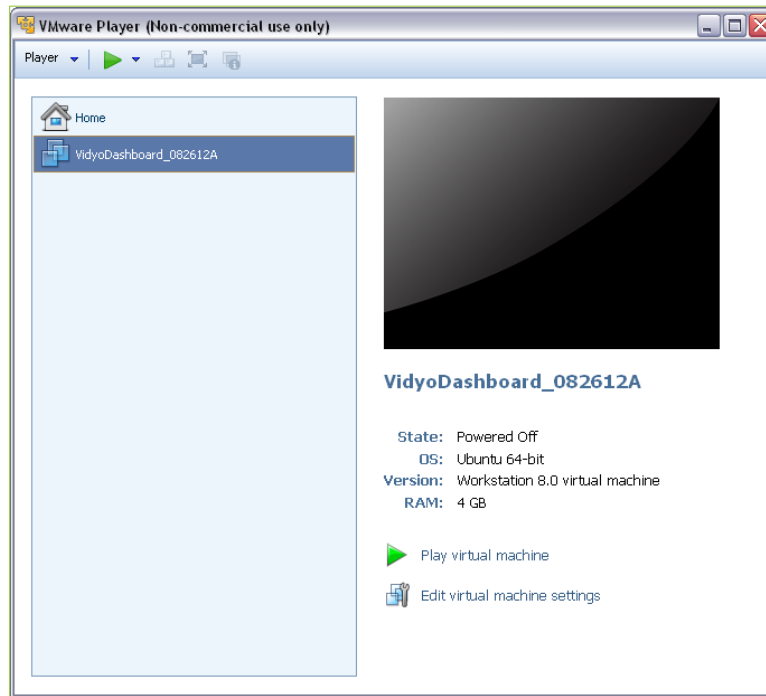


2. Select **Open a Virtual Machine**.

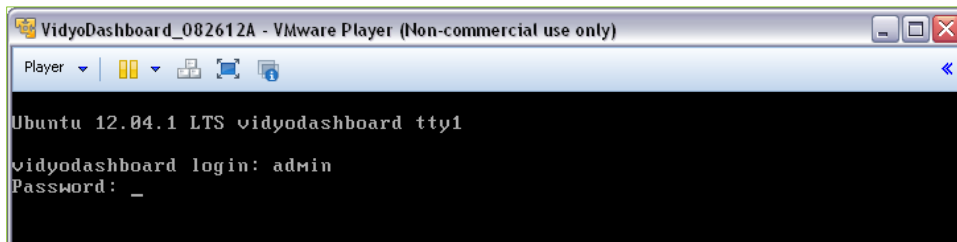


3. Browse to the OVA file and click the **Import** button.

Once the import is complete, the VidyoDashboard OVA virtual machine is listed.

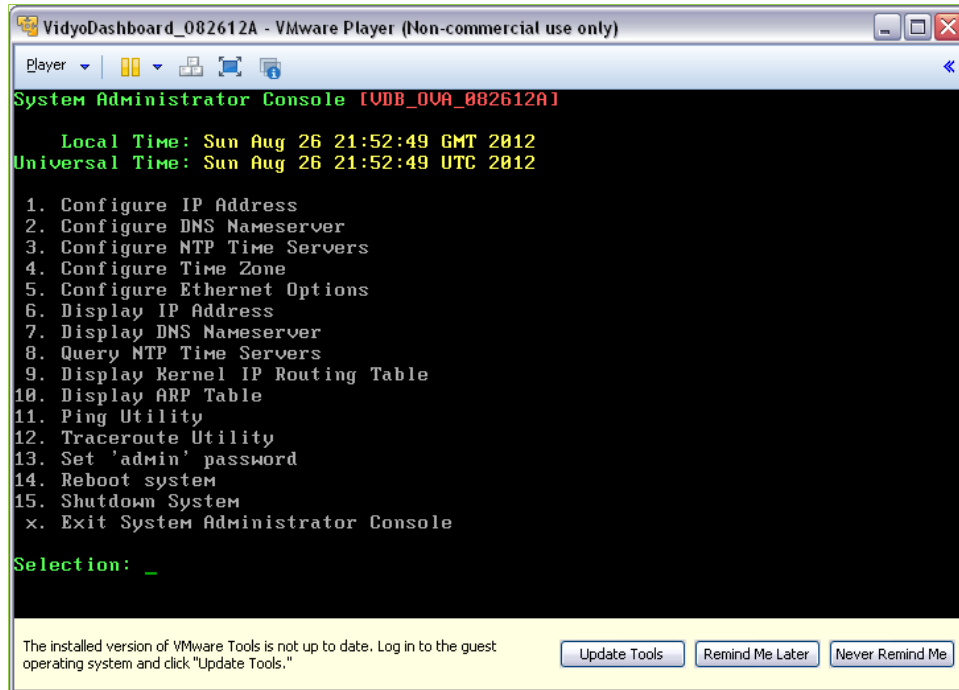


4. Select **Play virtual machine** to launch the virtual machine.
Once the virtual machine is launched, you are prompted to log in.
5. Access the System Administrator Console and log in as described in steps 11 through 13 (which begin on page 10).



6. Set up the virtual machine network as described in “Configuring the Network Settings” on page 11.

IMPORTANT: If you are prompted to install newer VMware Tools, select **Never Remind Me**. You are unable to install the newer tools because the VidyoDashboard virtual machine is a closed appliance.



For more information about configuring the network access and other information about VMware, refer to the VMware Player or the VMware Workstation documentation.