
Install on Bare Metal

 For supported software information, click [here](#).

This article describes how to install the Versa headend components on a bare-metal platform.

Install Versa Analytics Software on a Bare-Metal Platform


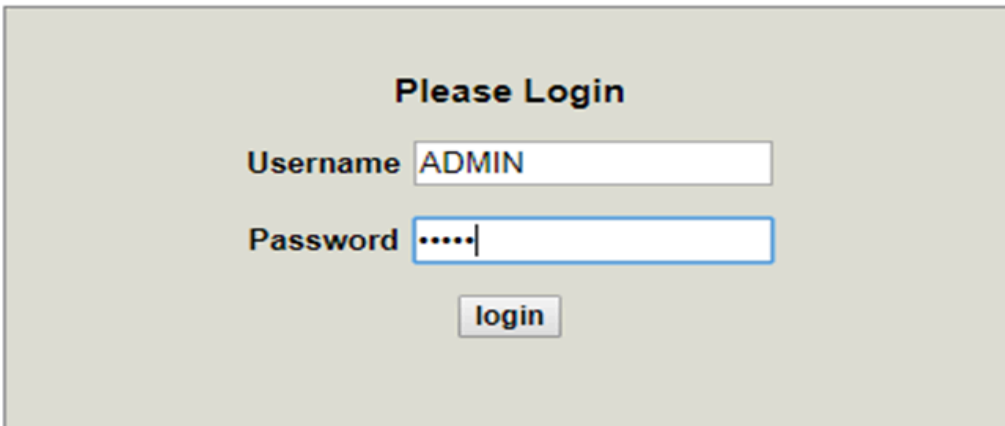
This section describes how to install the Versa Analytics software on a bare-metal platform.

The figures in this procedure are created using a Supermicro server. The actual screens you see may differ, depending on your server.

To access the bare-metal platform remotely, configure the Intelligent Platform Management Interface (IPMI) on the bare-metal server.

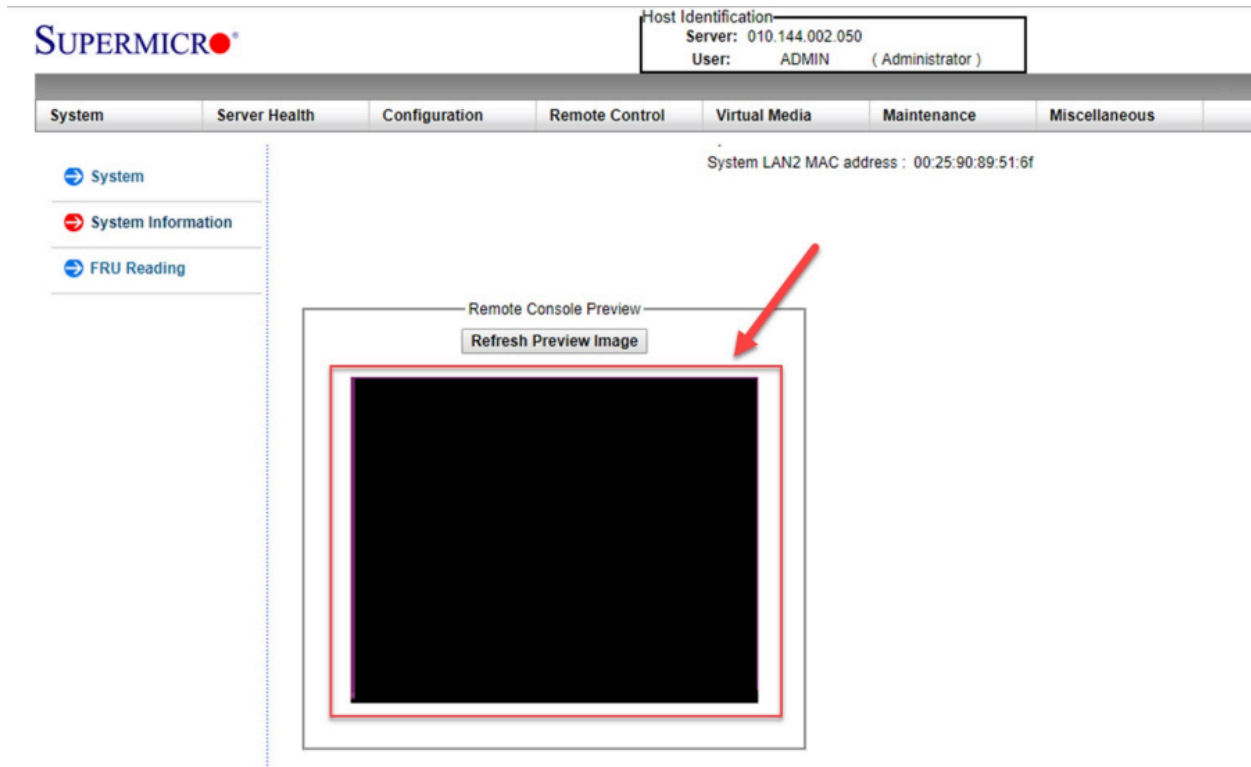
To install Versa Analytics software on a bare-metal platform:

1. Log in to the remote console.

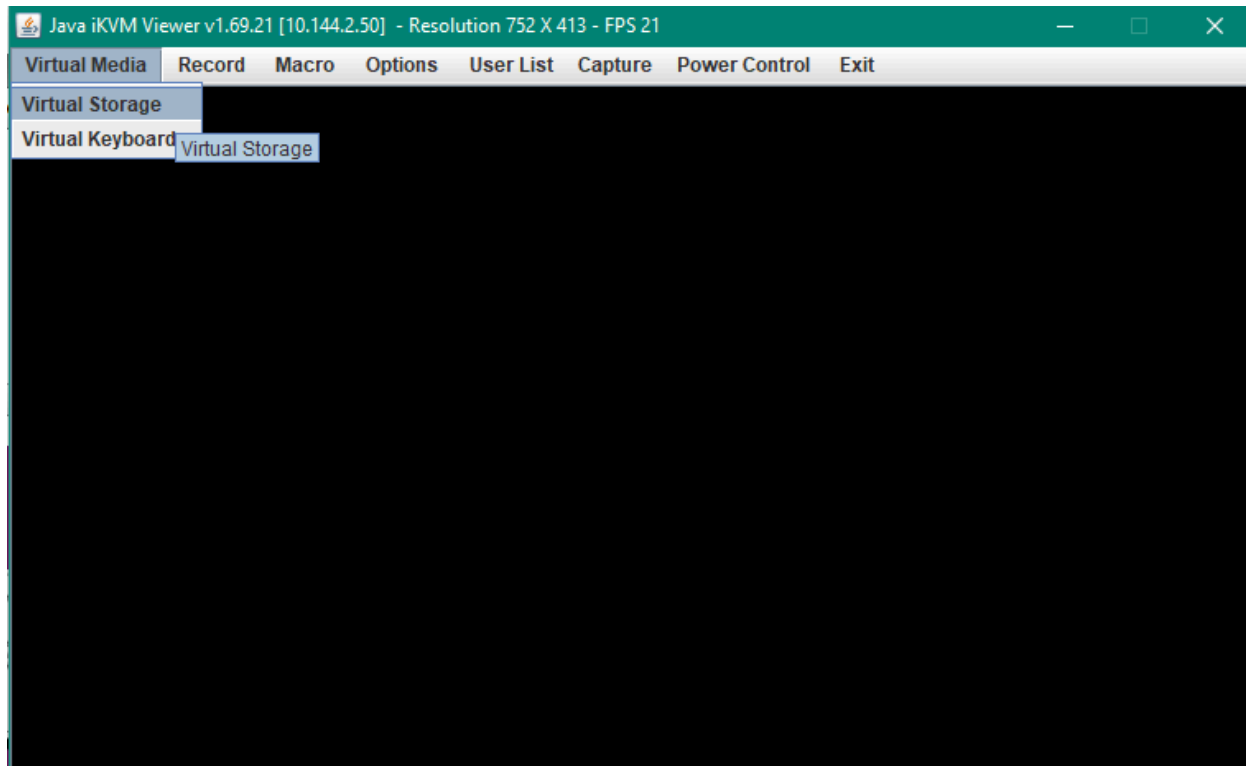



The image shows a login screen titled "Please Login". It has two input fields: "Username" with the text "ADMIN" and "Password" with masked characters ".....". Below the fields is a "login" button.

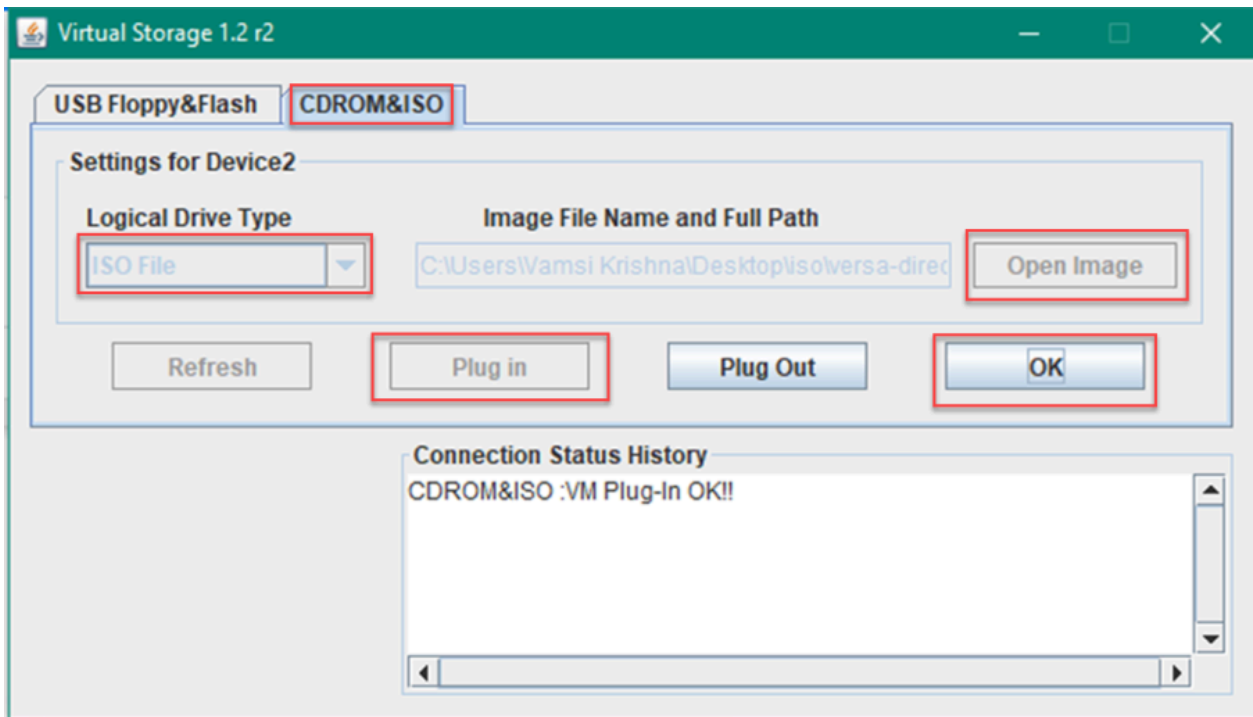
2. Click anywhere in the Remote Console Preview window to launch the remote console. If the Java SE Development Kit is installed on the server, you can launch the remote console from the development kit.



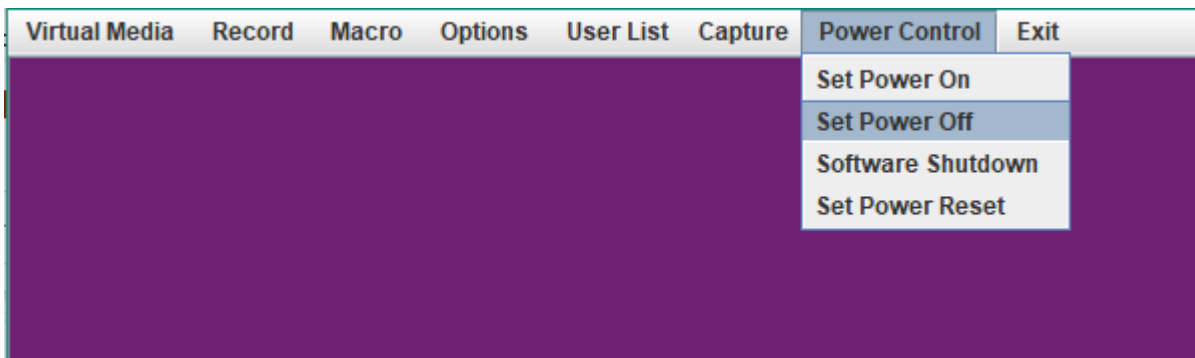
3. In the Virtual Media tab, select Virtual Storage.



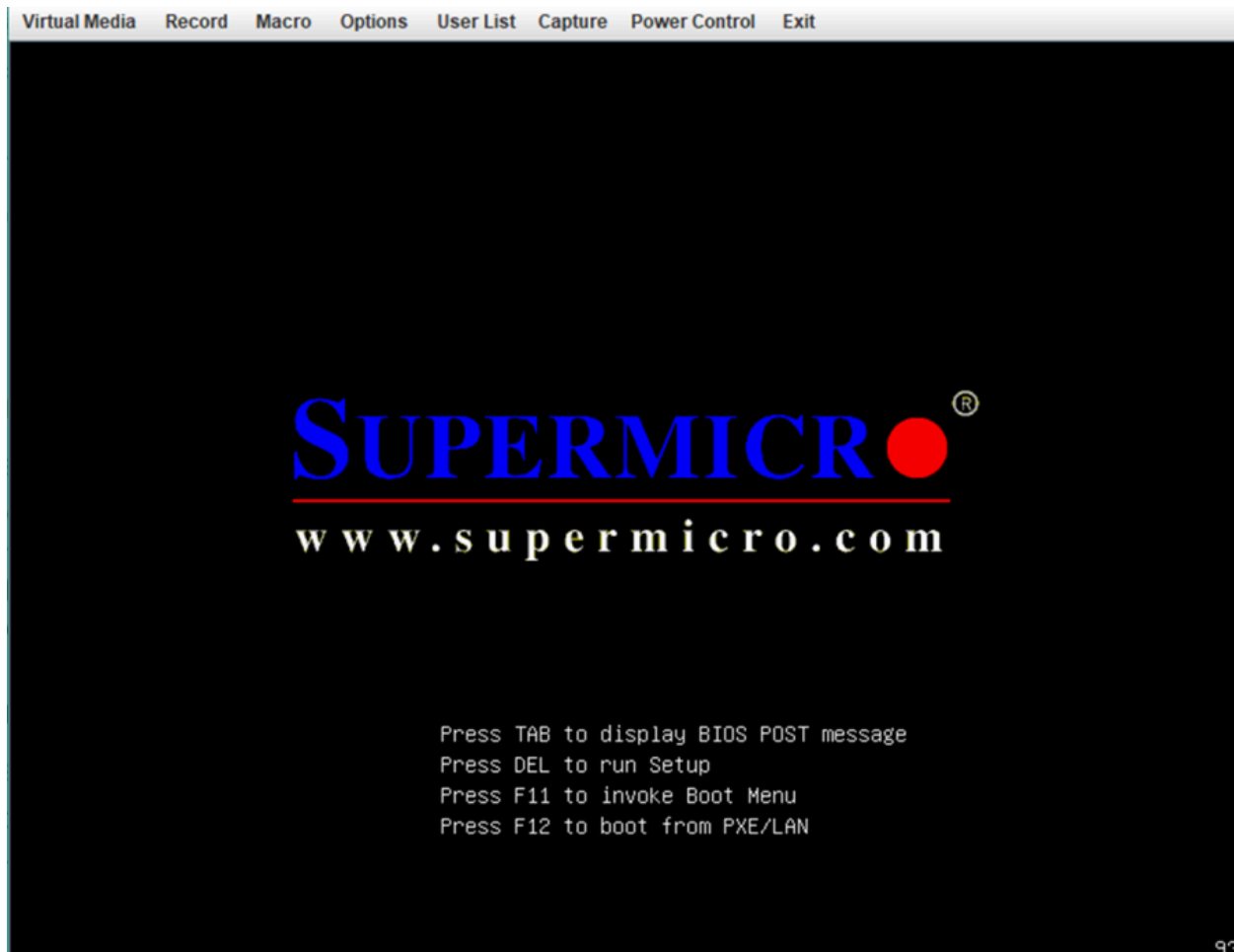
4. In the Virtual Storage window, click the CDROM & ISO tab. The Settings for Device2 window displays.
 - a. In the Logical Drive Type drop-down, select ISO File.
 - b. Click Open Image and type the full path name of the software image.
 - c. Click Plug In.
 - d. Click OK.



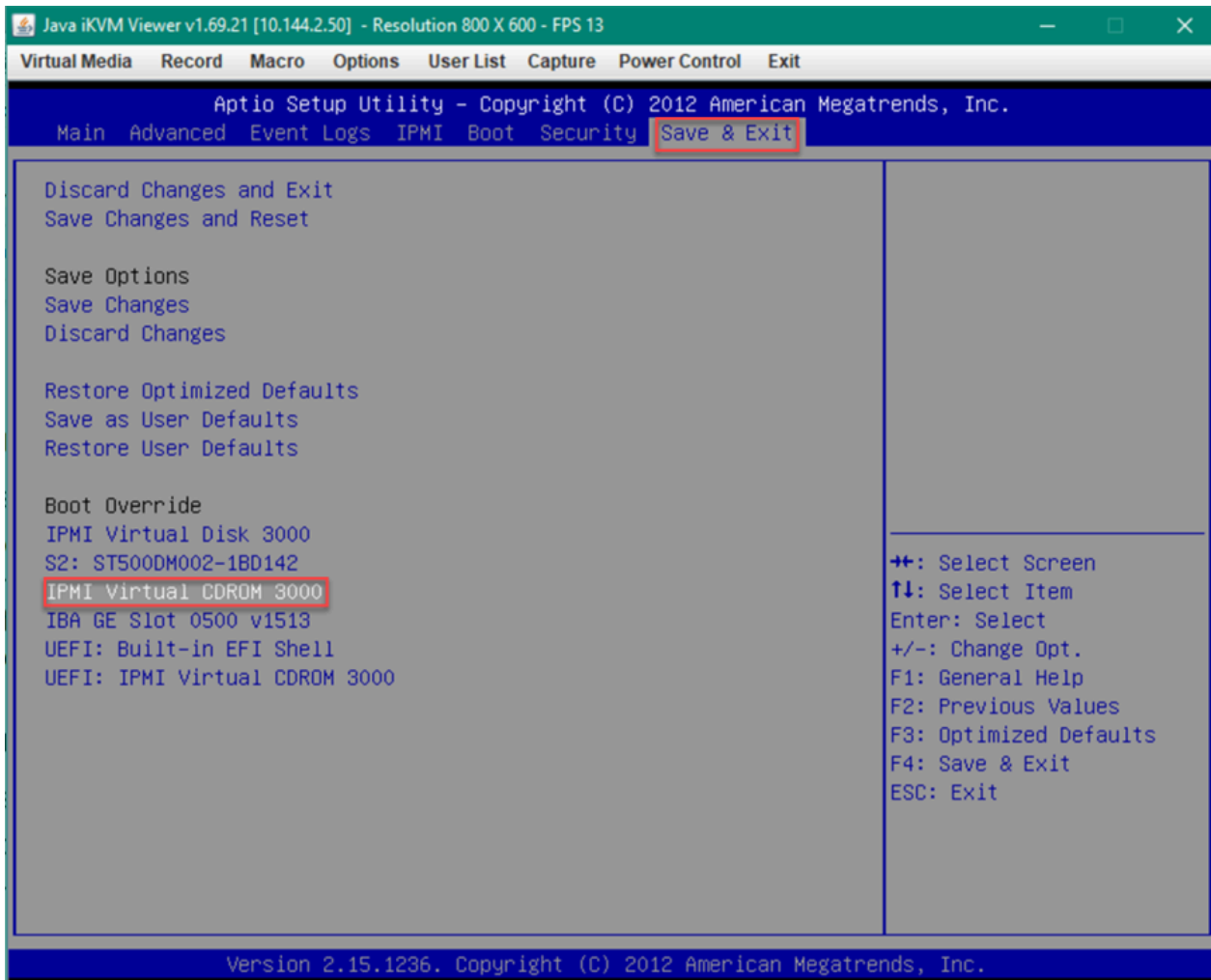
5. Click the Power Control tab.
 - a. Click Set Power Off to power down the device.
 - b. Click Set Power On to restart the device.



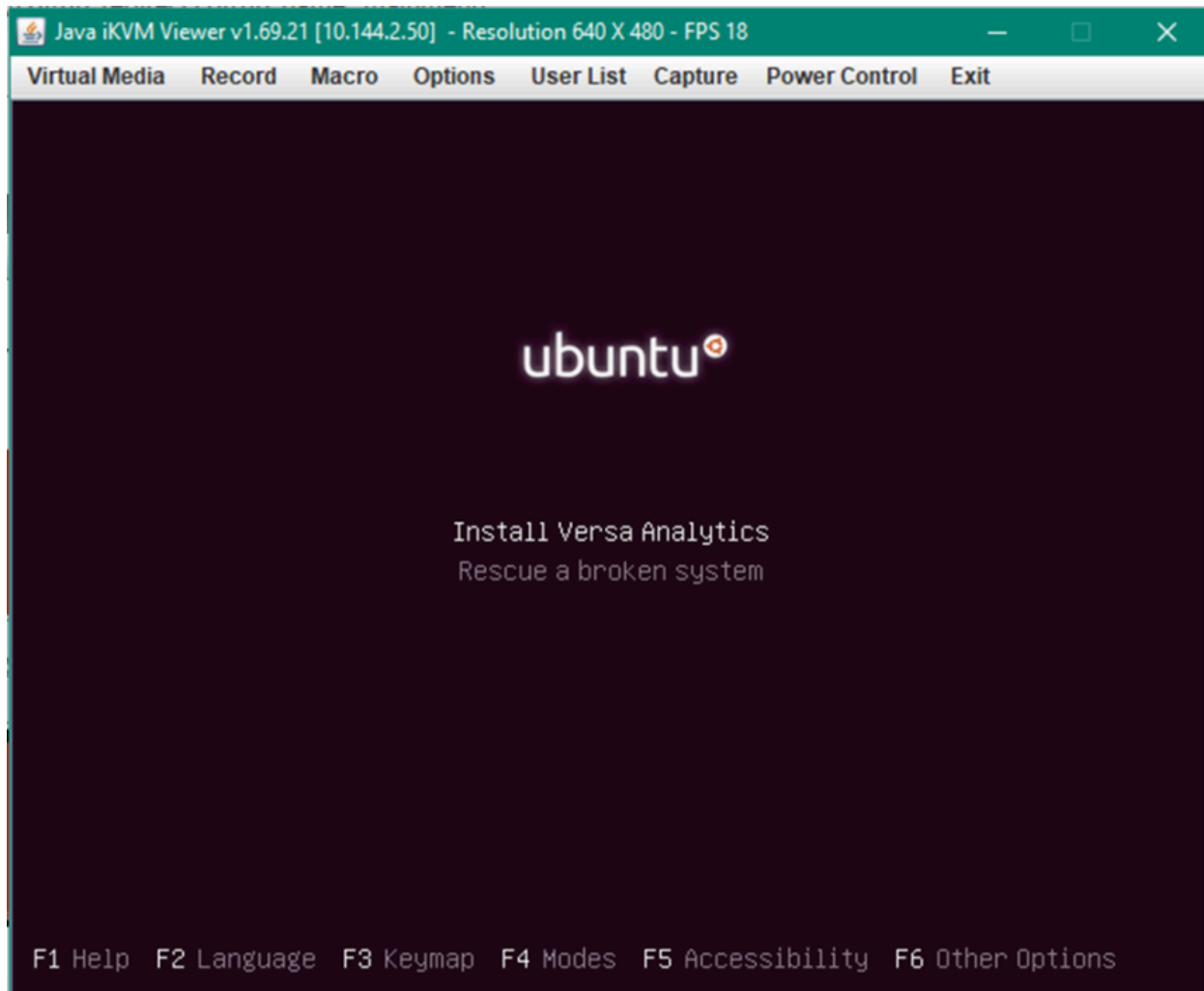
6. After the device restarts, the remote console window displays the server banner. To perform device setup, press the Delete key.



7. In the Setup Utility window:
 - a. Click the Save & Exit tab.
 - b. Click IPMI Virtual CDROM 3000 to run the ISO file from a local partition.
 - c. Press Enter.



8. In response to the boot prompt, type **versa-serial** and then press Enter.
9. In the Ubuntu screen, press Enter to install Versa Analytics.



10. After the Versa Analytics software installation completes, log in to Versa Analytics using the default username (versa) and password (versa123). The Versa Analytics banner displays.

```
Virtual Media  Record  Macro  Options  User List  Capture  Power Control  Exit

Ubuntu 14.04.2 LTS versa-analytics tty1

versa-analytics login: versa
Password:

  V  VERSA
  ANALYTICS

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

[versa@versa-analytics: ~] $ cli

versa connected from 127.0.0.1 using console on versa-analytics
versa@versa-analytics> show system package-info
Package      Versa Analytics Software
Release      16.1-R2
Build        S6
Release date  20181116
Package id    67da9db
Package name  versa-analytics-20181116-164207-67da9db-16.1R2S6
Branch       16.1R2
Creator      jenkins
[ok][2018-12-11 22:27:55]
```

Install Versa Director Software on a Bare-Metal Platform

This section describes how to install the Versa Director software on a bare-metal platform.

The figures in this procedure are created using a Supermicro server. The actual screens you see may differ, depending on your server.

To access the bare-metal platform remotely, configure the Intelligent Platform Management Interface (IPMI) on the bare-metal server. If you load the ISO image directly from a bootable USB flash drive, start at Step 8 of the installation

https://docs.versa-networks.com/Getting_Started/Deployment_and_Initial_Configuration/Headend_Deployment/Installation/In...


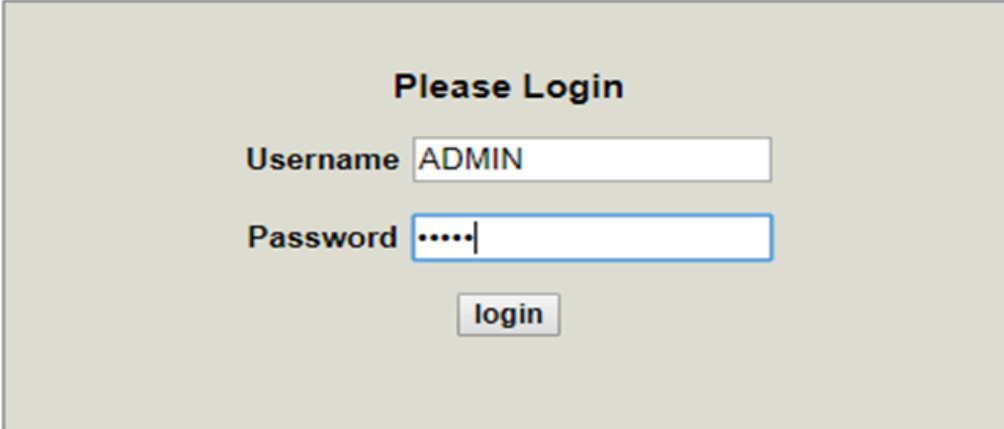
Updated: Wed, 23 Oct 2024 07:14:03 GMT

Copyright © 2024, Versa Networks, Inc.

procedure.

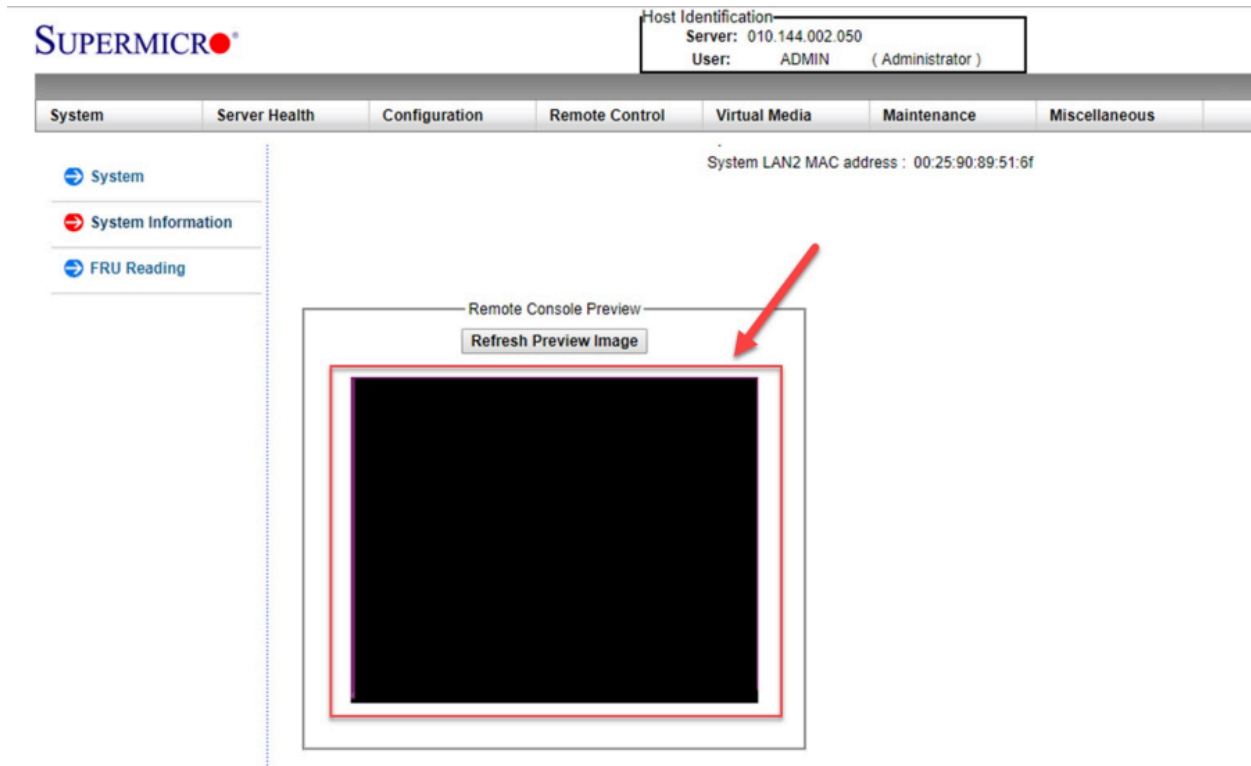
To install the Versa Director software on a bare-metal platform:

1. Log in to the remote console.

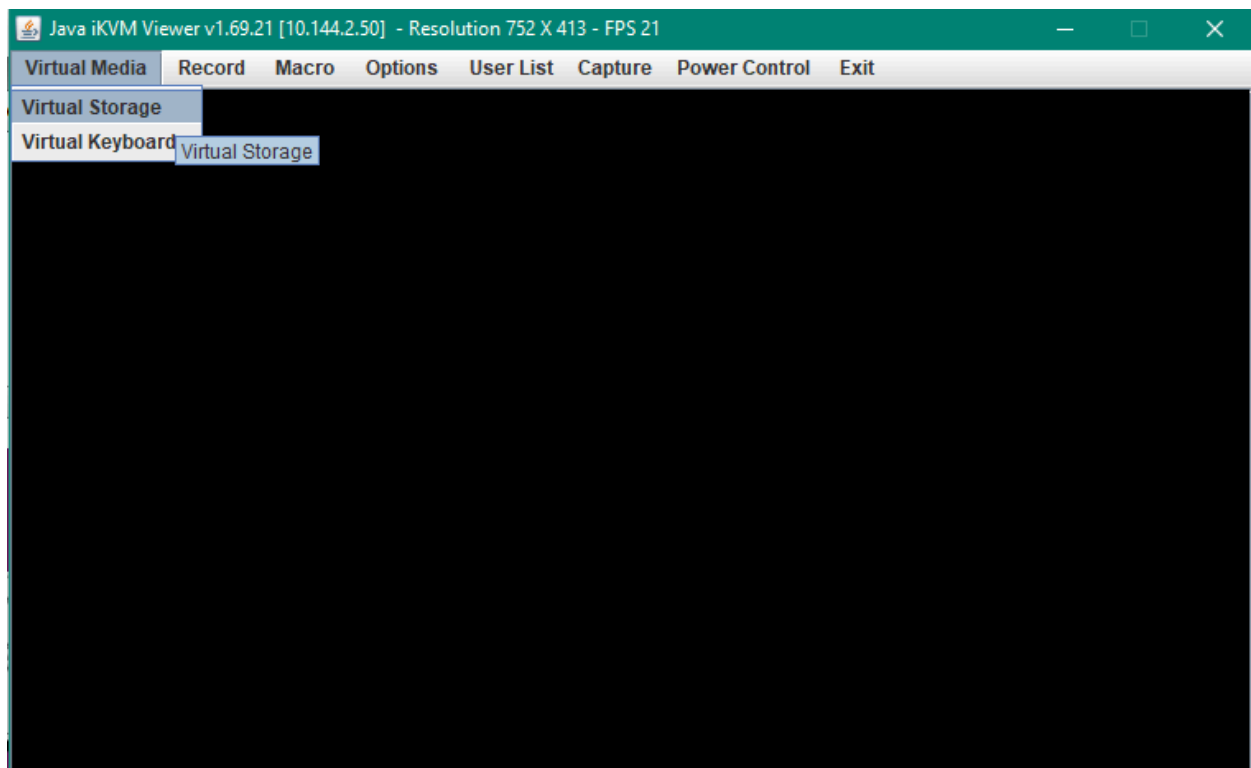



The image shows a login form titled "Please Login" with a Supermicro logo above it. The form has two input fields: "Username" with the text "ADMIN" and "Password" with masked characters ".....". Below the fields is a "login" button.

2. Click anywhere in the Remote Console Preview window to launch the remote console. If the Java SE Development Kit is installed on the server, you can launch the remote console from the development kit.

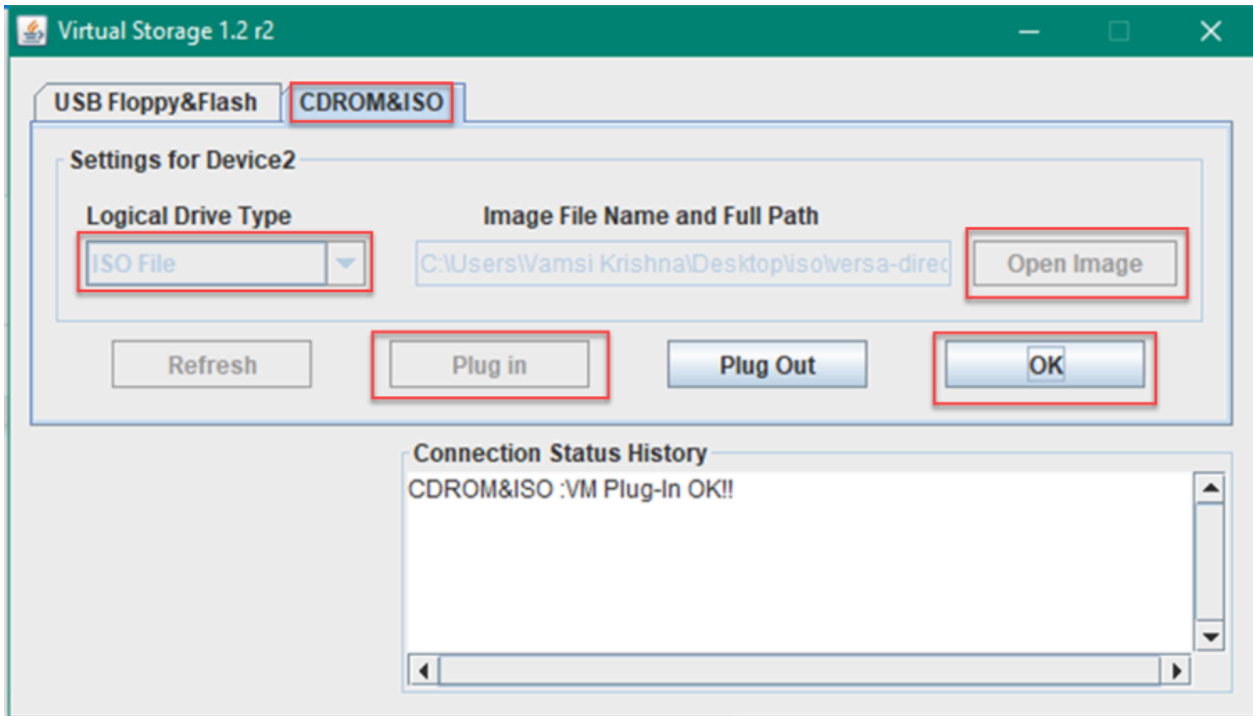


3. In the Virtual Media tab, select Virtual Storage.

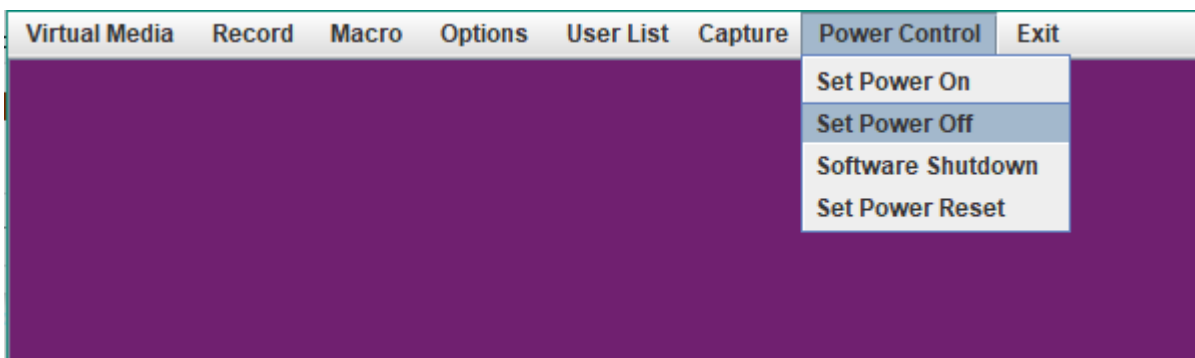


4. In the Virtual Storage window, click the CDROM & ISO tab. The Settings for Device2 window displays.

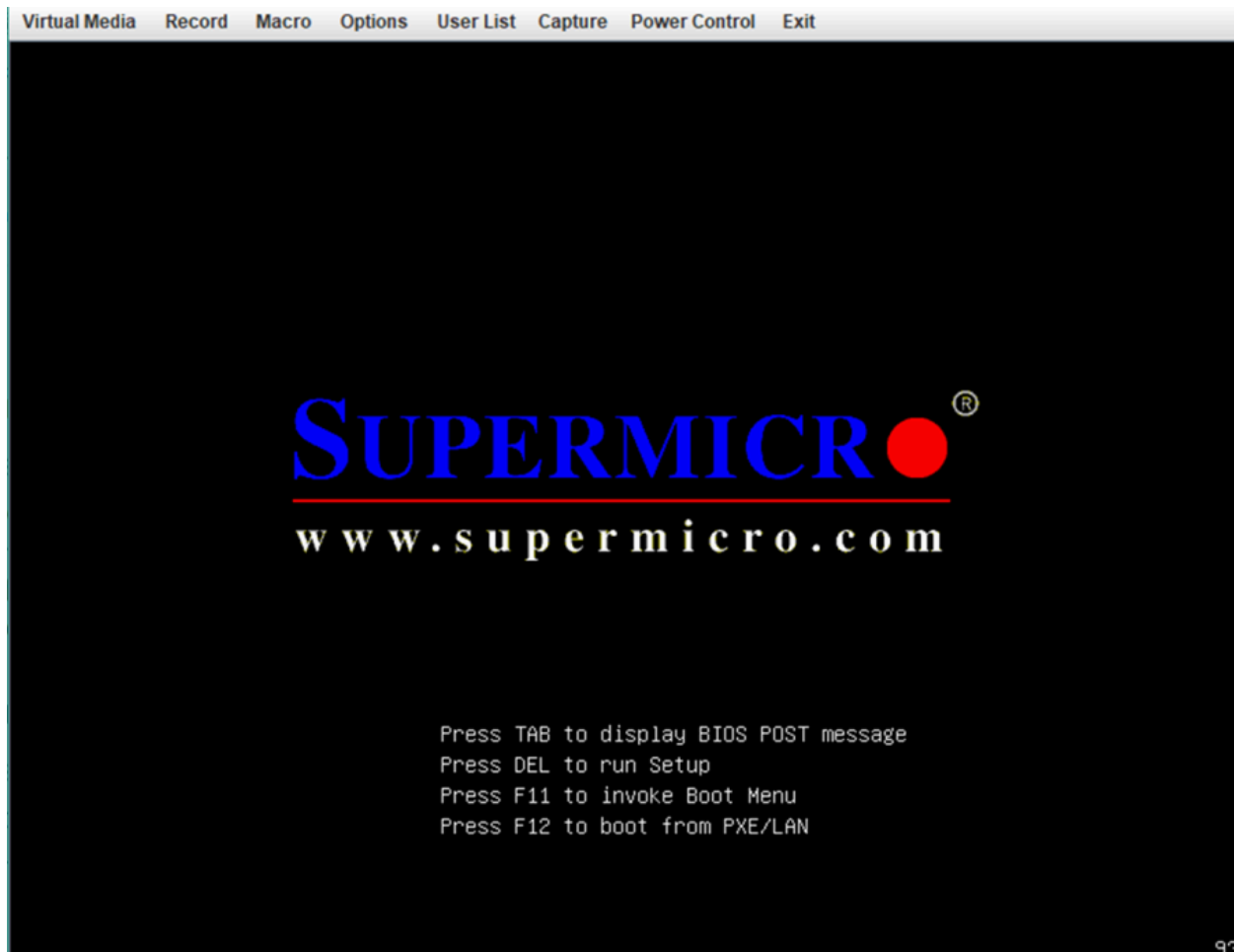
- a. In the Logical Drive Type drop-down, select ISO File.
- b. Click Open Image and type the full path name of the software image.
- c. Click Plug In.
- d. Click OK.



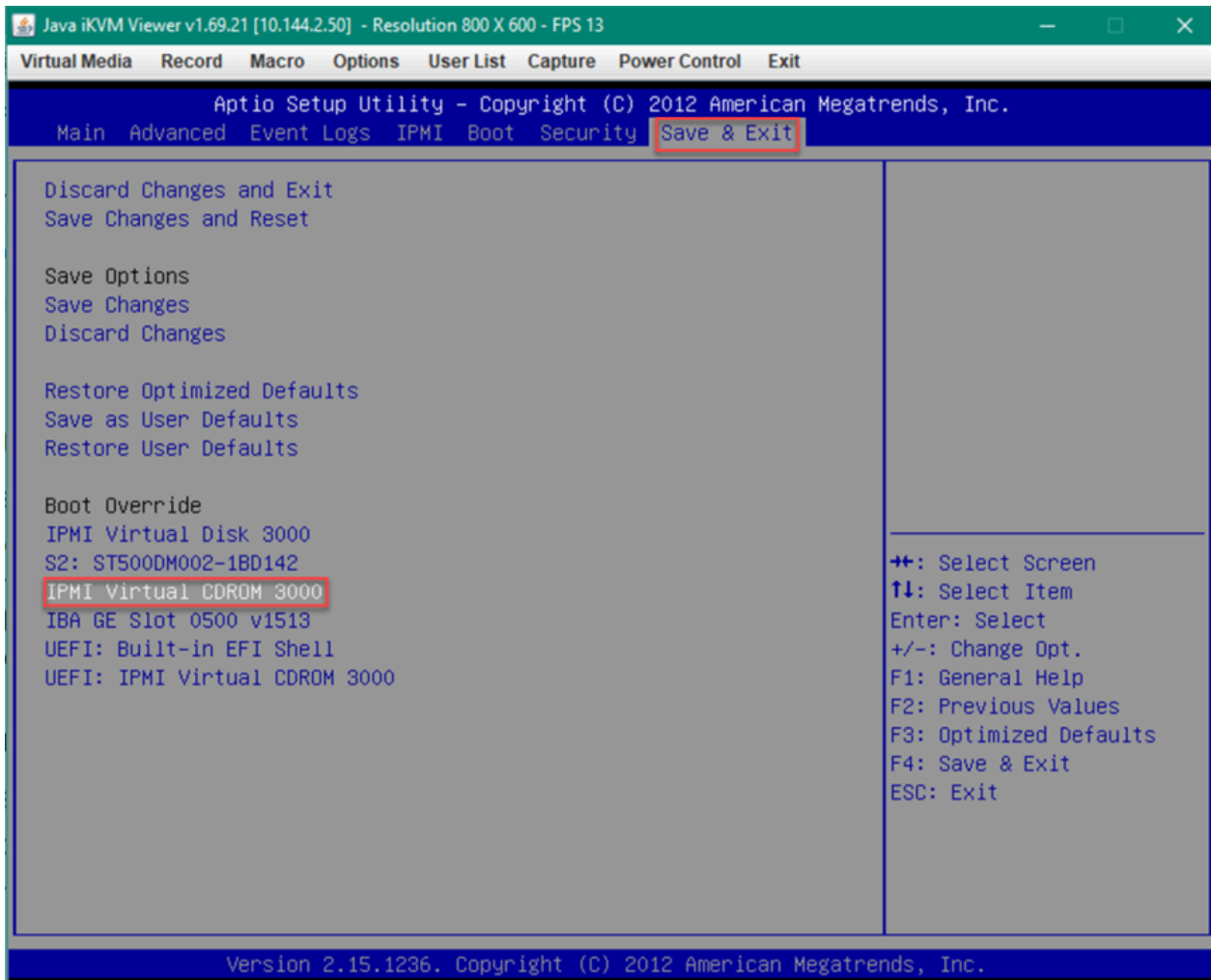
5. Click the Power Control tab.
 - a. Click Set Power Off to power down the device.
 - b. Click Set Power On to restart the device.



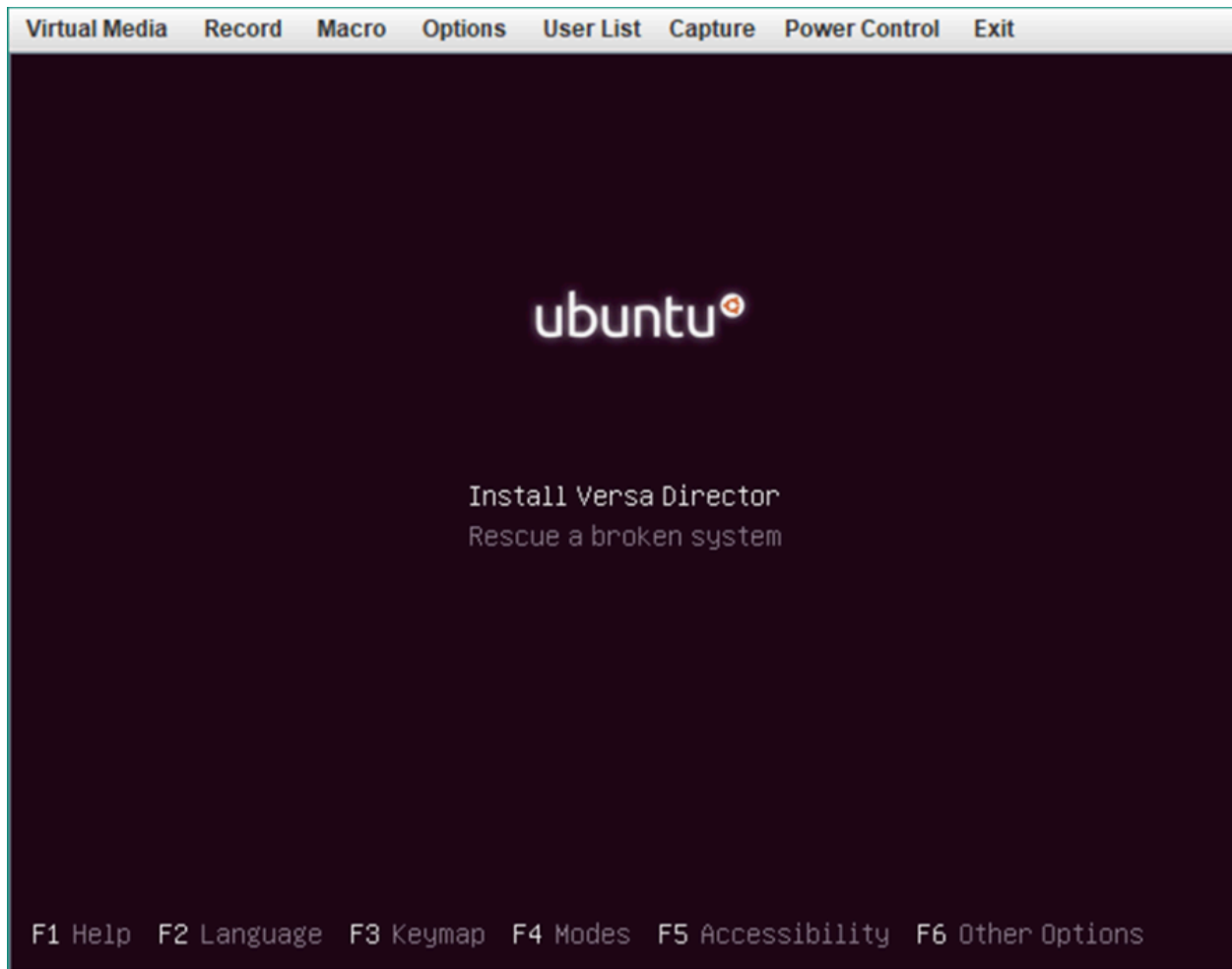
6. After the device restarts, the remote console window displays the server banner. To perform device setup, press the Delete key.



7. In the Setup Utility window:
 - a. Click the Save & Exit tab.
 - b. Click IPMI Virtual CDROM 3000 to run the ISO file from a local partition.
 - c. Press Enter.



8. In response to the boot prompt, type **versa-serial** and then press Enter.
9. In the Ubuntu window, press Enter to install Versa Director.



10. After the Versa Director software installation completes, log in to Versa Director using default username (admin) and password (versa123). The Versa Director banner displays.

```
versa-director login: admin
Password:
```



```
Release      : 16.1R2
Release date: 20181116
Package ID   : 8b386ae
```

The programs included with the Ubuntu system are free software; the exact distribution terms for each program are described in the individual files in `/usr/share/doc/*/copyright`.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

admin@versa-director:~\$

Install Versa Controller Software on a Bare-Metal Platform

This section describes how to install the Versa Operating System™ (VOS™) software on a bare-metal platform to create a Versa Controller.

Before you install the VOS software, ensure that you have the following:

- Console cable
- USB drive on which you have loaded the desired VOS software image

To install the VOS software on a bare-metal platform:

1. Connect your laptop to the Versa branch appliance using a console cable.
2. Insert the USB drive into one of the USB ports on the Versa branch appliance. The appliance boots.

- Press the Esc/Del key to interrupt the boot process and enter BIOS mode.
- In the Boot tab, under Boot Option Priorities, select Boot Option #1, which is your USB drive, and make sure that you select Legacy boot mode and not UEFI mode. Then press Esc. If your USB drive is not shown as Boot Option #1, select Boot Option #1 and press F4 to save the changes and exit the setup process.



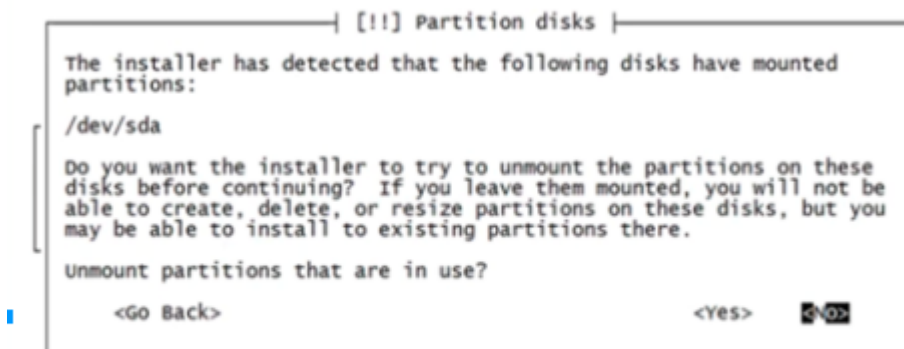
- The following error displays, followed by the boot: prompt, and the installation stops:

```
Error setting up gfxboot
boot:
```

- In response to the error "Error setting up gfxboot", type **versa-branch-usb** and press Enter. Then press the spacebar to continue.


```
Error setting up gfxboot
boot: versa-branch-usb
Loading /install/vmlinuz.....
Loading /install/initrd.gz.....ready.
Undefined video mode number: 314
Press <ENTER> to see video modes available, <SPACE> to continue, or wait 30 sec
```

7. In response to the Partition Disks prompt "unmount the partitions that are in use?", select or type Yes. The Versa branch appliance installs the software and then reboots.



<Tab> moves; <Space> selects; <Enter> activates buttons

8. While the Versa branch appliance is rebooting, remove your USB drive from the appliance.
9. Log in to the Versa branch appliance. The VOS banner displays:



```
* Restoring resolver state...
* Starting authentication failure monitor fail2ban
* Starting daemon monitor monit
* Stopping System V runlevel compatibility
[ OK ]
[ OK ]
[ OK ]
[ OK ]

ubuntu 14.04.2 LTS versa-flexvnf ttys0
versa-flexvnf login: admin
Password:
```

10. To verify the version of software that was installed, issue the show package-info command:

```
admin connected from 127.0.0.1 using console on versa-flexvnf
admin@versa-flexvnf-cli> show system package-info

Package          Versa FlexVNF software
Release          16.1-R1
Build            51
Release date     20170510
Package id       6b56e21
Package name     versa-flexvnf-20170510-070000-6b56e21-16.1R1-wsm
Branch           16.1R1
Creator          jenkins

[ok][2017-11-07 05:14:27]
admin@versa-flexvnf-cli>
```

Supported Software Information

Releases 20.2 and later support all content described in this article.

Additional Information

[Hardware and Software Requirements for Headend](#)

[Headend Initial Configuration](#)

[Headend Overview](#)

[Headend Verification](#)