



Cisco SDV Status and Operations Installation Guide

Overview

Introduction

This document provides installation procedures for Cisco Switched Digital Video (SDV) Status and Operations (SAO) software Release 1.3.x.

Note: SDV Collector must be installed prior to installation of the SAO software. For details, see the *Cisco SDV Collector Installation Guide*, part number OL-31606-01.

Purpose

The information in this document will enable qualified service personnel to install the operating system and configure the database needed for SDV SAO 1.3.x, and then to install SDV SAO itself.

Audience

This document is intended for authorized service personnel who have experience working with DNCS, EC, or USRM, and related equipment in the headend network. The service personnel should have appropriate background and knowledge to complete the procedures described in this document.

Document Version

This is the first formal release of this document.

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Install the Operating System

This section describes the steps for installing RedHat 5.7 on the designated server.

Install RedHat 5.7

- 1 Turn on power to the designated server.
- 2 While the server boots up, insert the RedHat 5.7 installation disk into the CD drive of the server.
- 3 When the server reaches the boot prompt, press **Enter**.
- 4 The Network Configuration screen appears and prompts you to configure eth0 and eth1.

Enable

* Activate on boot

* Enable IPV4 support

* Enable IPV6 support

for IPv4, Enter the IP address and mask and gateway

for IPv6, select Automatic neighbor discovery

- 5 Select **Manually** and enter **sdvsao** as the hostname.
- 6 Enter the default gateway IP address, and then click **Next** to continue.
- 7 On the Time Zone screen, choose the time zone in which the machine is located, and then click **Next**.

The Package Installation screen appears, and installation proceeds unattended.

When the installation finishes, the server will reboot.

- 8 Manually eject the installation CD.
- 9 At the login prompt, log in as **root** and enter the password **generic**.
- 10 When prompted to change the password, enter **1234test** or the alternate password specified by the customer.
Edit the **/etc/hosts** file to add IP address and hostnames for SDV Collector, DNCS, and USRM, and then save the file.

Example:

```
10.90.153.116    collector
```

```
10.253.0.1      dnscs
```

```
172.25.20.161  usrm
```

- 11 At the command prompt, enter the following command to confirm 8 GB of swap space:

grep SwapTotal /proc/meminfo

The response should be:

```
SwapTotal: 8385920 kB
```

- 12 Create the file **route-eth0** in `/etc/sysconfig/network-scripts` to add routes to `eth0`.

Example:

```
ADDRESS0=10.253.0.0
GATEWAY0=41.1.1.1
NETMASK0=255.255.255.0
ADDRESS1=172.25.20.0
GATEWAY1=41.1.1.1
NETMASK1=255.255.255.0
```

- 13 At the command prompt, enter **service network restart** to restart network services.
- 14 Ping the USRM and DNCS to confirm that the routes are working.

Set NTP

- 1 Type the following command to stop the NTP service:
service ntpd stop
- 2 Type the following command:
ntpdate collector
- 3 Type the following command to open the NTP configuration file for editing:
vi /etc/ntp.conf
- 4 Edit the NTP configuration file as follows:
 - a Use the # character to comment out the lines for RedHat servers, such as `0.rhel.pool.ntp.org`.
 - b Add **server collector** to the configuration.
 - c Save and exit.
- 5 Type the following command to check the NTP configuration:
chkconfig ntpd on
- 6 Type the following command to restart the NTP service:
service ntpd start
- 7 Type **date** to display the current system date and time and confirm that they are accurate.

Configure MySQL

- 1 Check to see if the `mysql` service is running, as follows:
service mysql status
If the service is not running, start the service as follows:
service mysql start
- 2 Type **mysql** to confirm access to the `mysql` prompt:
mysql>
The prompt appears, confirming that `mysql` is properly installed and configured.
- 3 Type **exit** to exit `mysql`.

Install SDV SAO

To install SDV SAO from CD or an ISO image:

- 1 Insert the installation disk into the server CD drive, or copy the ISO image to the server hard drive.
- 2 Enter the following commands at the root prompt:
 - For installation from CD:
mount /dev/cdrom /media/cdrom
cd /media/cdrom
./install
 - For installation from ISO image:
mount -o loop sdvsao-1.3.2rc7-appdisc.iso /media/cdrom
cd /media/cdrom
./install
- 3 Select option 1 in preparation for installing the UI and Schema.
- 4 Type the following commands to install the UI and Schema:
 - **cd /opt/sse/sdvsao/mysql**
 - **mysql -uroot -pTheeb3qu <create_schema.sql**

For Information

For Information

If You Have Questions

If you have technical questions, contact Cisco Services at the following URL:

<http://www.cisco.com/web/services/>



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