



# Release Notes for Cisco VDS-TV 3.2.6

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These release notes cover Cisco Videoscape Distribution Suite for Television (VDS-TV) Release 3.2.6.

**Revised: March 26, 2014 OL-31771-01**

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## Enhancements

Table 1 lists the issues resolved in the VDS-TV 3.2.6 release.

Click on the bug ID to view the bug details. This information is displayed in the [Bug Search](#).

**Table 1**      **Enhancements in VDS-TV 3.2.6 Release**

Bug ID	Description
<a href="#">CSCu155711</a>	In order to bookmark the current position within the stream for later reuse, the streamer will send the current position as a part of RTSP Teardown response. To enable this feature add a line "TEARDOWN_WITH_BOOKMARK=1" in /home/isa/bss/etc/aim.conf file.
<a href="#">CSCu155685</a>	In a play request whenever there is a jump over EOS (end of stream), the streamer will play for a graceful period of time before closing the stream. Graceful period is a configurable value (in seconds) that you can set in the rtsp.conf file. To enable this feature add a line "GRACE_EOS=5" in /home/isa/bss/etc/aim.conf file.
<a href="#">CSCu155545</a>	Ingest percentage status is shown for content instead of "Callback pending" in XML response. Earlier, VDS-TV replied with a "Callback Pending" message when the status is requested by the back-office and there is no indication of the status of the ingest. To enable this feature add a line "INGEST_STATUS=1" in /home/isa/bss/etc/aim.conf file.
<a href="#">CSCu155720</a>	The VDS-TV system is provided with a FTP URLIngest. FTP pull should interpret the path part of the FTP URL as a relative path i.e. without the leading forward slash, which is in fact a separator and not part of the pathname. For example, if the content URL is ftp://user:pass@ftphost/directorypath/filename, then after FTP login and transfer mode settings, the ingest system should interpret the path as directorypath/filename.ts and not /directorypath/filename.ts.
<a href="#">CSCu180975</a>	The first request from the SRM to the VDS-Streamer is a GET_PARAMETER rtsp message which starts the heartbeat sequence. In the first message, the SRM includes a body identifying itself, SRM_ID:{SRM machine name}. All subsequent GET_PARAMETER request, used as heartbeat between SRM and streamer will not have a message body. These GET_PARAMETER messages do not have a Session header. Currently, the VDS-Streamer replies with an error-message "Session not found", instead it should respond with 200 OK. To enable this feature add a line "FIRST_HEARTBEAT=1" in /home/isa/bss/etc/aim.conf file.

## Open Caveats

Table 2 lists the open issues in the VDS-TV 3.2.6 release.

Click on the bug ID to view the bug details. This information is displayed in the [Bug Search](#).

**Table 2**      **Open Caveats in VDS-TV 3.2.6 Release**

Bug ID	Description
<a href="#">CSCu169056</a>	FSI Core due to interaction with the syslog-ng framework
<a href="#">CSCu100446</a>	RTSP and CServer incorrectly return out of bandwidth message
<a href="#">CSCu181736</a>	"System UpTime" is unavailable if both primary & backup controllers exist

**Table 2** *Open Caveats in VDS-TV 3.2.6 Release (continued)*

<b>Bug ID</b>	<b>Description</b>
<a href="#">CSCum50991</a>	Db hangs while trying to sync
<a href="#">CSCun12535</a>	Serviceability: collect-all scripts
<a href="#">CSCui32403</a>	Serviceability: AVSDB to track if data replication was successful
<a href="#">CSCtr62991</a>	IP nick names stuck in system after re IP
<a href="#">CSCtx23597</a>	DB_VERSION_MISMATCH when running "rpm -qa"
<a href="#">CSCuh36078</a>	Everstream API <Stream> element skipping playlist segments
<a href="#">CSCuh85933</a>	RTSP is performing no path-mtu-discovery and sets "Do not fragment" bit
<a href="#">CSCui13191</a>	Handle low priority traffic more efficiently
<a href="#">CSCui32709</a>	Thin Pipe Configurations must maintain same name reference in setupfile
<a href="#">CSCui37462</a>	Live ingest would delay after system run a long time
<a href="#">CSCuj02516</a>	Smoothing algorithm needs to be fixed to run less often
<a href="#">CSCuj31892</a>	Vault targeted with too much work needs backoff capability
<a href="#">CSCuj31912</a>	Add statistics to track individual control message bw
<a href="#">CSCuj31915</a>	Control traffic for maintaining the system is using too much bandwidth
<a href="#">CSCuj31938</a>	Vaults not seeing the correct primary server
<a href="#">CSCuj38030</a>	MD5checksum are same
<a href="#">CSCuj42925</a>	Fix BW manager settings
<a href="#">CSCuj43061</a>	CCP Proxy Locate and on demand remote server connection issue
<a href="#">CSCuj44621</a>	RTSP thread monitoring can't be enabled
<a href="#">CSCuj82750</a>	IP Nickname page slow
<a href="#">CSCuj88044</a>	340:Recorder not able to send idx file to TV streamer
<a href="#">CSCul00394</a>	populate_contents_remotely.py script does not operate as expected
<a href="#">CSCul24306</a>	TCP connection exist always after power off STB
<a href="#">CSCul87333</a>	RTA is blocking 900 Mbps of bandwidth
<a href="#">CSCum00564</a>	Troubleshooting CDS-TV-3.x.x LSCP 1x-read-failure tunable
<a href="#">CSCum04760</a>	NGOD remote syslog did not contain detailed message
<a href="#">CSCum04796</a>	NGOD A3 GetContentInfo response enhancement
<a href="#">CSCum26100</a>	Importer doesn't delete .fin file
<a href="#">CSCum26949</a>	Error 4400 - Unable to fill content fast enough
<a href="#">CSCum26987</a>	CDSM - Show indicator for synchronization between CDSMs
<a href="#">CSCum27044</a>	RTSP messages to include StreamerID
<a href="#">CSCum54834</a>	Divide by zero bug in find_busiest_group
<a href="#">CSCum63857</a>	Excessive blkog messages on VVIM's
<a href="#">CSCum74618</a>	Limit the rate of evaluator queries
<a href="#">CSCum74646</a>	Low priority bandwidth calc. need to include receive buffer backlog
<a href="#">CSCum74661</a>	Data Recovery should further limit concurrent work rate

**Table 2** Open Caveats in VDS-TV 3.2.6 Release (continued)

Bug ID	Description
<a href="#">CSCum74680</a>	Remote Smoother should not prefer one server
<a href="#">CSCum74692</a>	Server overall capacity should include network CPU
<a href="#">CSCum74726</a>	Do not send out acknowledgment on every single network interrupt
<a href="#">CSCum74826</a>	Align BW manager numbers in log and add sum of desired values
<a href="#">CSCun02763</a>	[CISCO-159] DB trigger problem causes recordings to fail
<a href="#">CSCun07983</a>	Issue with the Locate Virtual IP - Netmask is not getting updated
<a href="#">CSCun07992</a>	Original mpeg name should not be altered
<a href="#">CSCun08079</a>	[CISCO-159] CDE460 not reporting status on recordings (SR 628999379)
<a href="#">CSCun13016</a>	Stream Pause is causing tuning failure on ODN clients
<a href="#">CSCun15656</a>	Top Flag Field is being forced to true for progressive contents
<a href="#">CSCun18714</a>	CServer detects "pic_order_cnt_type" incorrect
<a href="#">CSCun20686</a>	250-2A4 vault hang ad requires power cycle to clear
<a href="#">CSCun22327</a>	Backup utility failed for STREAM_OBJECT_15.db table
<a href="#">CSCun23927</a>	Content Store Master Crashes if the hostname is more than 16 Characters
<a href="#">CSCun25181</a>	Locate/General Port Subnet Mask not exporting into the XML
<a href="#">CSCun26510</a>	Recorder sends misleading response code for content not found from DDN
<a href="#">CSCun35927</a>	Enable Panic when CPU Soft lock up detected
<a href="#">CSCun38334</a>	Network flap lead to cache no capacity
<a href="#">CSCun40155</a>	AIM shouldn't fail a pkg-provisioning because "box cover" assets
<a href="#">CSCun40282</a>	Post package failure the content is not cleaned up
<a href="#">CSCun40319</a>	Not able to Stream, when a package is deleted and republished manually
<a href="#">CSCun46231</a>	Invalid reference happens when a Stream has to play next play command
<a href="#">CSCun51057</a>	All live ingested contents are deleted after one vault is on line again
<a href="#">CSCun52996</a>	Package gets expired before one day to the License End Window
<a href="#">CSCun56573</a>	Barker report should not show end date
<a href="#">CSCun60063</a>	TcpConnectionprobe timer callback references invalid redirector
<a href="#">CSCun65152</a>	Post package failure the content is not cleaned up requires changes inDB
<a href="#">CSCun68478</a>	Peg/barker: Stream drop observed in backup server in active-active mode
<a href="#">CSCun71762</a>	100-Continue handshake causes KDB
<a href="#">CSCun81902</a>	GET_PARAMETER reply for heartbeat contains 2 bytes less(CR-LF CR-LF)
<a href="#">CSCun83101</a>	Setup server bklogs to CDSM increases during high streaming
<a href="#">CSCun84320</a>	VDS-TV: Not able to detect external interfaces if unplugged & plugged

## Resolved Caveats

Table 3 lists the issues resolved in the VDS-TV 3.2.6 release.

Click on the bug ID to view the bug details. This information is displayed in the [Bug Search](#).

**Table 3** *Resolved Caveats in VDS-TV 3.2.6 Release*

Bug ID	Description
<a href="#">CSCu196087</a>	One way connection between vault and primary streamer
<a href="#">CSCum11567</a>	Vault hit KDB during Cserver start
<a href="#">CSCum18718</a>	Liveness Inactivity Timer only updated on Pause
<a href="#">CSCu158348</a>	3.2.3: Unable to Run FSI on Vault with 256 entries in .arroyorc
<a href="#">CSCu129203</a>	TrickMode API calls to CDSM: Connections are not being closed properly
<a href="#">CSCum82644</a>	Ifcfg-ethx file for Locate port have a "NETMASK=(blank)"
<a href="#">CSCum21030</a>	Wrapper Script on AVSDBUtil for getting the GOIDs for the PAID input
<a href="#">CSCum18206</a>	AVSDBUtil tool throws error
<a href="#">CSCuh28252</a>	3.2.3-VM - Apache service is not getting started on VM Controller
<a href="#">CSCui91625</a>	Kernel2.6.32: System freezes OR Crashes after Uptime reaches 208+ days
<a href="#">CSCui95727</a>	EthX interface of e1000 driver is showing transmit timed out warnings
<a href="#">CSCu196087</a>	One way connection between vault and primary streamer
<a href="#">CSCun48855</a>	Indication Progress failed for package with multiple contents
<a href="#">CSCun55786</a>	Indication progress showing error report while reingest failed package
<a href="#">CSCum08886</a>	Fsi unable to connect to db after fsi service is restarted
<a href="#">CSCum18718</a>	Liveness Inactivity Timer only updated on Pause
<a href="#">CSCum34791</a>	MasterContentstore fails when any slave down and back until slave is up
<a href="#">CSCum60267</a>	FSI using Streamer Load information from Database
<a href="#">CSCum81736</a>	"System UpTime" is unavailable if both primary&backup controllers exists
<a href="#">CSCum96674</a>	Index file for Live ingests should only be mirrored from ingesting Vault
<a href="#">CSCun02405</a>	3.2.5-es1b1: subnet mask for Interface type Locate cannot be configured
<a href="#">CSCun09538</a>	Unexpected behavior when Configured GRACE_EOS=0 and applied jump request
<a href="#">CSCun25181</a>	Locate/General Port Subnet Mask not exporting into the XML
<a href="#">CSCun32843</a>	Ingesting content at default user path failed by generating core
<a href="#">CSCun64876</a>	Alignment in avfdb.log is not proper while tracking data replication
<a href="#">CSCun71748</a>	TEARDOWN reply contains 2 bytes too much (CR-LF CR-LF)

## Accessing Bug Search

This section explains how to use the Bug Search to search for a specific bug or to search for all bugs in a release.

- 
- Step 1** Go to <https://tools.cisco.com/bugsearch/>.
- Step 2** At the Log In screen, enter your registered Cisco.com username and password; then, click **Log In**. The Bug Search page opens.




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**Note** If you do not have a Cisco.com username and password, you can register for them at <http://tools.cisco.com/RPF/register/register.do>.

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- Step 3** To search for a specific bug, enter the bug ID in the Search For field, and press **Enter**.
- Step 4** To search for bugs in the current release, specify the following criteria:
- Select the **Model/SW Family** Product Category drop-down list box, then enter **Cisco Videoscape Distribution Suite for Television** or select the name from the **Select from list** option.
  - Select **Cisco Videoscape Distribution Suite for Television** from the list that displays.
  - The **VDS Television Software** type displays in the Software Type drop-down list box.
  - Releases: 3.2.
  - Advanced Filter Options—Define custom criteria for an advanced search by selecting an appropriate value from the drop-down lists by choosing either one Filter or multiple filters from the available categories. After each selection, the results page will automatically load below the filters pane. If you select multiple filters, it behaves like an AND condition.
    - Modified Date—Select one of these options to filter bugs: **Last Week**, **Last 30 days**, **Last 6 months**, **Last year**, or **All**.
    - Status—Select **Fixed**, **Open**, **Other**, or **Terminated**.
 

Select **Fixed** to view fixed bugs. To filter fixed bugs, uncheck the Fixed check box and select the appropriate suboption (Resolved or Verified) that appears below the Fixed check box.

Select **Open** to view all open bugs. To filter the open bugs, uncheck the Open check box and select the appropriate suboptions that appear below the Open check box.

Select **Other** to view any bugs that are duplicates of another bug.

Select **Terminated** to view terminated bugs. To filter terminated bugs, uncheck the Terminated check box and select the appropriate suboption (Closed, Junked, or Unreproducible) that appears below the Terminated check box. Select multiple options as required.
    - Severity—Select the severity level:
      - 1: Catastrophic.
      - 2: Severe
      - 3: Moderate
      - 4: Minor
      - 5: Cosmetic
      - 6: Enhancement

- Rating—Select the bug's quality rating: **5 Stars** (excellent), **4 or more Stars** (good), **3 or more Stars** (medium), **2 or more Stars** (moderate), **1 or more Stars** (poor), or **No Stars**.
- Support Cases—Select whether the bug **Has Support Cases** or **No Support Cases**.
- Bug Type—Select whether the bug is **Employee Visible & Customer Visible** or **Customer Visible Only**.

**Step 5** The Bug Toolkit displays the list of bugs based on the specified search criteria.

**Step 6** You can save or email the current search by clicking their respective option.

If you have any problems using the Bug Search tool, log into the Technical Support website at <http://www.cisco.com/cisco/web/support/index.html> or contact the Cisco Technical Assistance Center (TAC).

## Upgrading to Release 3.2.6

The supported upgrade paths are the following:

- Release 2.5.2 to Release 3.2.6
- Release 2.5.3 to Release 3.2.6
- Release 2.5.5 to Release 3.2.6
- Release 2.5.6 to Release 3.2.6
- Release 2.5.7 to Release 3.2.6
- Release 3.0.1 to Release 3.2.6
- Release 3.0.2 to Release 3.2.6
- Release 3.2.1 to Release 3.2.6
- Release 3.2.2 to Release 3.2.6
- Release 3.2.3 to Release 3.2.6
- Release 3.2.4 to Release 3.2.6

If the CDS is running an earlier software release, you must first upgrade to one of the supported releases before upgrading to Release 3.2.6.


For software upgrade procedures, see the *Cisco TV CDS 3.2 Installation, Upgrade, and Maintenance Guide*.

## Upgrading to Cisco VDS-TV Release 3.2.6

For the upgrade sequence of the VDS devices in your system (CDSM/VVIM and VDS servers [Vault, Streamer, Caching Node, ISV]), see the “Overview” chapter in the *Cisco TV CDS 3.2 Installation, Upgrade, and Maintenance Guide*.

### Upgrading to Cisco VDS-TV Release 3.2.6 for ISA Deployment

To upgrade a VDS device, do the following:

- 
- Step 1** Download the ISO image file (CDS-TV-3.2.6-.iso) and the cdsinstall-3.2.6 script from the Cisco Software Download website. For more information on downloading the software files, see the “Overview” chapter in the *Cisco TV CDS 3.2 Installation, Upgrade, and Maintenance Guide*.
- Step 2** For the VDS servers, offload the device before upgrading the software.
- From the CDSM GUI, choose **Maintain > Servers > Server Offload**. The Server Offload page is displayed.
  - From the **Server IP** drop-down list, select the IP address or nickname of the sever and click **Display**.
  - From the **New Server Status** drop-down list, select **Offline** for a Streamer or Caching Node, select **Offline (No Ingest & Fill)** for a Vault.
  - Click **Submit**.
  - Ensure the VDS server has been offloaded by checking the protocol timing log.
- Step 3** Log in to the VDS server as user *root*.
- Step 4** For VDS servers, before installing the image file, stop the database with the following command:
- ```
# db_shutdown
```
- Wait until the following command returns no output:
- ```
# netstat -an | grep 9999 and #pgrep avbdb
```
- Step 5** Copy the ISO image file and the cdsinstall-3.2.6 script to the VDS server.
- ```
# scp -p <user>@<remote_ip_address>:CDS-TV-3.2.6.iso /
# scp -p <user>@<remote_ip_address>:cdsinstall-3.2.6 /
```
- Take backup of statsd.conf file in VDS servers.
- ```
# cp /etc/statsd.conf /etc/statsd.conf.bak
```
- Step 6** Run the cdsinstall script to upgrade the ISO image to Release 3.2.6.
- ```
# cd /root
# ./cdsinstall-3.2.6 CDS-TV-3.2.6.iso
```
- Step 7** For the CDSM or VVIM, when the script is completed, make sure database is not running and reboot the controller.
-  **Note** Above change applies to all releases.
- 
- Step 8** For the CDSM or VVIM, log in to the GUI as a user with Engineering access level and configure the settings on the CDSM Setup page.



**Step 9** For VDS servers, create a directory

```
# mkdir /var/run/arroyo
# chmod go+rx /var/run/arroyo
```



**Note**

Follow the above step to avoid getting the below error in the avbdb.log that may cause unnecessary log growth.

```
sample.log <Hostname> /home/isa/Berkeley/avbdb:thread_tracking.c:update_thread_info_file():910:
ERROR: unable to update thread information file /var/run/arroyo/thread_info; lseek() errno = 9 (Bad file
descriptor)
```

Start DB and statsd

```
# su - isa

#exit

# /home/stats/statsd -d eth0 -s <subnetmask IP> -i <VIP>
```

Wait till statsd connects to avbdb and both are operational

Submit Server Interface Setup page for this VDS server from GUI

**Configure -> Server Level -> Interface Setup**

Make sure the `/arroyo/test/<server type>/setupfile` is updated with the e1000e driver for the 1 Gig cache fill interfaces

Shutdown DB

```
#db_shutdown
```

Replace the stats.conf with backup

```
# cp /etc/statsd.conf.bak /etc/statsd.conf
#Type : yes
```

Reboot the server

```
#reboot
```

**Step 10** Start services one by one from `/etc/rc.local` (if applicable)

**Step 11** For VDS servers, after the VDS server has been verified as reachable, return the server to online.

- a. Choose **Maintain > Servers > Server Offload**. The Server Offload page is displayed.
- b. From the **Server IP** dropdown list, select the IP address or nickname of the server and click **Display**.
- c. Choose **Online** and click **Submit**.
- d. Verify the VDS server is online by viewing the status on the **Monitor > System Level > System Health** page.

## Upgrading to Cisco VDS-TV Release 3.2.6 for RTSP Deployment

To upgrade a VDS device, do the following:

- 
- Step 1** Download the ISO image file (CDS-TV-3.2.6-.iso) and the cdsinstall-3.2.6 script from the Cisco Software Download website. For more information on downloading the software files, see the “Overview” chapter in the *Cisco TV CDS 3.2 Installation, Upgrade, and Maintenance Guide*.
- Step 2** For the VDS servers, offload the device before upgrading the software.
- From the CDSM GUI, choose **Maintain > Servers > Server Offload**. The Server Offload page is displayed.
  - From the **Server IP** drop-down list, select the IP address or nickname of the sever and click **Display**.
  - From the **New Server Status** drop-down list, select **Offline** for a Streamer or Caching Node, select **Offline (No Ingest & Fill)** for a Vault.
  - Click **Submit**.
  - Ensure the VDS server has been offloaded by checking the protocol timing log.

**Step 3** Log in to the VDS server as user *root*.

**Step 4** For VDS servers, before installing the image file, stop the database with the following command:

```
# db_shutdown
```

Wait until the following command returns no output:

```
# netstat -an | grep 9999 and #pgrep avbdb
```

**Step 5** Copy the ISO image file and the cdsinstall-3.2.6 script to the VDS server.

```
# scp -p <user>@<remote_ip_address>:CDS-TV-3.2.6.iso /
# scp -p <user>@<remote_ip_address>:cdsinstall-3.2.6 /
```

**Step 6** Run the cdsinstall script to upgrade the ISO image to Release 3.2.6.

```
# cd /root
# ./cdsinstall-3.2.6 CDS-TV-3.2.6.iso
```

**Step 7** For the CDSM or VVIM, when the script is completed, make sure database is not running and reboot the controller.




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**Note** Above change applies to all releases.

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**Step 8** For the CDSM or VVIM, log in to the GUI as a user with Engineering access level and configure the settings on the CDSM Setup page.

**Step 9** For VDS servers, start DB and statsd

```
# su - isa -c "arroyo start avbdb" >& /dev/null
# /home/stats/statsd.bin -i <Server IP> -s <subnet mask> -d eth0
```

Wait till statsd connects to avbdb and both are operational

Submit Server Interface Setup page for this VDS server from GUI

**Configure -> Server Level -> Interface Setup**

Make sure the /arroyo/test/<server type>/setupfile is updated with the e1000e driver for the 1 Gig cache fill interfaces

Shutdown DB  
Reboot the server

```
# pgrep avbdb
# reboot
```

**Step 10** After server has come up, start the services as per the sequence in the `/etc/rc.local`,  
Start avbdb

```
# su - isa -c "arroyo start avbdb" >& /dev/null
```

Start avlauncher to start setup and control IP (incase if the VDS server is streamer)

```
# /usr/bin/avlauncher >& /arroyo/log/avlauncher.out&
```

Start cserver

```
# /arroyo/test/run
```

Start FSI application (incase if the VDS server is vault)

```
# su - isa -c "arroyo start fsi ns nfs aim" >& /dev/null
```

Start statsd

```
# /home/stats/statsd.bin -i <Server IP> -s <subnet mask> -d eth0
```

**Step 11** For VDS servers, after the VDS server has been verified as reachable, return the server to online.

- a. Choose **Maintain > Servers > Server Offload**. The Server Offload page is displayed.
- b. From the **Server IP** dropdown list, select the IP address or nickname of the server and click **Display**.
- c. Choose **Online** and click **Submit**.

Verify the VDS server is online by viewing the status on the **Monitor > System Level > System Health** page.

## Downgrading from Release 3.2.6

For the downgrade sequence of the VDS devices in your system (CDSM/VVIM and VDS servers [Vault, Streamer, Caching Node, ISV]), see the “Overview” chapter in the *Cisco TV CDS 3.2 Installation, Upgrade, and Maintenance Guide*.

### Downgrading from Release 3.2.6 for ISA Deployment

To downgrade a VDS device, do the following:

- Step 1** Download the ISO image file (for example, `CDS-TV-2.5.6.iso`) and the `cdsinstall` script (for example, `cdsinstall-2.5.6`) for Release 2.5.2, 2.5.3, 2.5.5, 2.5.6, 3.0.1, 3.0.2, 3.2.1 or 3.2.2 from the Cisco software download website. For more information on downloading the software files, see the “Overview” chapter in the *Cisco TV CDS 3.2 Installation, Upgrade, and Maintenance Guide*.
- Step 2** For VDS servers, offload the server (see [Step 2](#) in “[Upgrading to Cisco VDS-TV Release 3.2.6 for ISA Deployment](#)”).
- Step 3** Log in to the VDS device as user root.
- Step 4** For VDS servers, before installing the image file, stop the database with the following command:

```
# db_shutdown
```

Wait until the following command returns no output:

```
# netstat -an | grep 9999 and #pgrep avbdb
```

Take backup of statsd.conf file in VDS servers.

```
# cp /etc/statsd.conf /etc/statsd.conf.bak
```

- Step 5** Copy the ISO image file and the cdsinstall script to the /root directory and run the cdsinstall script to download the software. For example, the following commands are for downgrading to Release 2.5.6:

```
# scp -p <user>@<remote_ip_address>:CDS-TV-2.5.6.iso /
# scp -p <user>@<remote_ip_address>:cdsinstall-2.5.6 /
# cd /root
# ./cdsinstall-2.5.6 CDS-TV-2.5.6.iso
```

- Step 6** For the CDSM or VVIM, when the script has completed, make sure that the database is not running and reboot the server.

- Step 7** For VDS servers, make sure that the database is not running and reboot the server.

```
# pgrep avbdb
# mv /etc/rc.d/rc.local /etc/rc.d/rc.local.bak
# reboot
```

- Step 8** Once the VVIM/CDSM comes up after a reboot, we need to make sure to remove the file:STREAMGROUP\_MAP2.db from the DATADIR of the controller before starting the avbdb and statsd on the controller.




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**Note** Starting from the VDS-TV 3.2.3 Release, the STREAMGROUP\_MAP2.db was added to support more than 125 Vault servers in a single group.

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- Step 9** For VDS servers, after the VDS server has been came up from reboot, start DB, statsd, submit the interface setup page and start cserver

```
# su - isa
# /home/stats/statsd -d eth0 -s <subnetmask IP> -i <VIP>
```

Wait till statsd connects to avbdb and both are operational

Submit Server Interface Setup page for this VDS server from GUI

**Configure -> Server Level -> Interface Setup**

Start avslauncher to start setup and control IP (incase if the VDS server is streamer)

```
# /usr/bin/avslauncher >& /arroyo/log/avslauncher.out&
```

Start cserver

```
# /arroyo/test/run
```

Start ISA services (incase if the VDS server is ISA running vault or Streamer)

```
#su - isa -c "cd /home/isa/IntegrationTest; ./run_isa_boot >>& /arroyo/log/ns_log&"
```

Move the rc.local to the original location

```
# mv /etc/rc.d/rc.local.bak /etc/rc.d/rc.local
```

- Step 10** For VDS servers, after the VDS server has been verified as reachable, return the server to online.
- Choose **Maintain > Servers > Server Offload**. The Server Offload page is displayed.
  - From the **Server IP** dropdown list, select the IP address or nickname of the server and click **Display**.
  - From the **New Server Status** drop-down list, select **Online** and click **Submit**.
  - Verify the VDS server is online by viewing the status on the **Monitor > System Level > System Health** page. (see [Step 7](#) in “Upgrading to Cisco VDS-TV Release 3.2.6 for ISA Deployment” procedure).

## Downgrading from Release 3.2.6 for RTSP Deployment

To downgrade a VDS device, do the following:

- Step 1** Download the ISO image file (for example, CDS-TV-2.5.6.iso) and the cdsinstall script (for example, cdsinstall-2.5.6) for Release 2.5.2, 2.5.3, 2.5.5, 2.5.6, 3.0.1, 3.0.2, 3.2.1 or 3.2.2 from the Cisco software download website. For more information on downloading the software files, see the “Overview” chapter in the *Cisco TV CDS 3.2 Installation, Upgrade, and Maintenance Guide*.
- Step 2** For VDS servers, offload the server (see [Step 2](#) in “Upgrading to Cisco VDS-TV Release 3.2.6 for RTSP Deployment”).
- Step 3** Log in to the VDS device as user root.
- Step 4** For VDS servers, before installing the image file, stop the database with the following command:

```
# db_shutdown
```

Wait until the following command returns no output:

```
# netstat -an | grep 9999 and #pgrep avssdb
```

- Step 5** Copy the ISO image file and the cdsinstall script to the /root directory and run the cdsinstall script to download the software. For example, the following commands are for downgrading to Release 2.5.6:

```
# scp -p <user>@<remote_ip_address>:CDS-TV-2.5.6.iso /
# scp -p <user>@<remote_ip_address>:cdsinstall-2.5.6 /
# cd /root
# ./cdsinstall-2.5.6 CDS-TV-2.5.6.iso
```

- Step 6** For the CDSM or VVIM, when the script has completed, make sure that the database is not running and reboot the server.
- Step 7** For VDS servers, make sure that the database is not running and reboot the server..

```
# pgrep avssdb
```

```
# reboot
```

- Step 8** Once the VVIM/CDSM comes up after a reboot, we need to make sure to remove the file:STREAMGROUP\_MAP2.db from the DATADIR of the controller before starting the avssdb and statsd on the controller.



**Note** Starting from the VDS-TV 3.2.3 Release, the STREAMGROUP\_MAP2.db was added to support more than 125 Vault servers in a single group.

- Step 9** For VDS servers, after the VDS server has been came up from reboot, start DB, statsd, submit the interface setup page and start cserver

```
# su - isa -c "arroyo start avfdb" >& /dev/null
# /home/stats/statsd.bin -i <Server IP> -s <subnet mask> -d eth0
```

Wait till statsd connects to avfdb and both are operational

Submit Server Interface Setup page for this VDS server from GUI

**Configure -> Server Level -> Interface Setup**

Start avlauncher to start setup and control IP (incase if the VDS server is streamer)

```
# /usr/bin/avlauncher >& /arroyo/log/avlauncher.out&
```

Start cserver

```
# /arroyo/test/run
```

Start FSI application (incase if the VDS server is vault)

```
# su - isa -c "arroyo start fsi ns nfs aim" >& /dev/null
```

- Step 10** For VDS servers, after the VDS server has been verified as reachable, return the server to online.
- Choose **Maintain > Servers > Server Offload**. The Server Offload page is displayed.
  - From the **Server IP** dropdown list, select the IP address or nickname of the server and click **Display**.
  - From the **New Server Status** drop-down list, select **Online** and click **Submit**.

Verify the VDS server is online by viewing the status on the **Monitor > System Level > System Health** page. (see [Step 7](#) in “[Upgrading to Cisco VDS-TV Release 3.2.6 for RTSP Deployment](#)” procedure).

## Related Documentation

Refer to the following documents for additional information about the Cisco VDS-TV 3.2:

- *Cisco VDS-TV 3.2 ISA Software Configuration Guide*  
[http://www.cisco.com/en/US/docs/video/cds/cda/tv/3\\_2/configuration/isa\\_guide/tv\\_cds\\_3\\_2\\_isa\\_config.html](http://www.cisco.com/en/US/docs/video/cds/cda/tv/3_2/configuration/isa_guide/tv_cds_3_2_isa_config.html)
- *Cisco VDS-TV 3.2 RTSP Software Configuration Guide*  
[http://www.cisco.com/en/US/docs/video/cds/cda/tv/3\\_2/configuration/rtsp\\_guide/tv\\_cds\\_3\\_2\\_rtsp\\_config.html](http://www.cisco.com/en/US/docs/video/cds/cda/tv/3_2/configuration/rtsp_guide/tv_cds_3_2_rtsp_config.html)
- *Cisco VDS-TV 3.2 API Guide*  
[http://www.cisco.com/en/US/docs/video/cds/cda/tv/3\\_2/developer\\_guide/tv\\_cds\\_3\\_2\\_api\\_guide.html](http://www.cisco.com/en/US/docs/video/cds/cda/tv/3_2/developer_guide/tv_cds_3_2_api_guide.html)
- *Cisco VDS-TV 3.2 Installation, Upgrade, and Maintenance Guide*  
[http://www.cisco.com/en/US/docs/video/cds/cda/tv/3\\_2/installation\\_guide/TV\\_cds\\_3\\_2\\_install\\_upgrade\\_maint.html](http://www.cisco.com/en/US/docs/video/cds/cda/tv/3_2/installation_guide/TV_cds_3_2_install_upgrade_maint.html)
- *Cisco Content Delivery Engine 205/220/250/420 Hardware Installation Guide*  
[http://www.cisco.com/en/US/docs/video/cds/cde/cde205\\_220\\_420/installation/guide/cde205\\_220\\_420\\_hig.html](http://www.cisco.com/en/US/docs/video/cds/cde/cde205_220_420/installation/guide/cde205_220_420_hig.html)




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**Note** CDE460 is not applicable for Cisco VDS-TV 3.2.5 Release.

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- *Cisco Content Delivery Engine 110 Hardware Installation Guide*  
[http://www.cisco.com/en/US/docs/video/cds/cde/cde110/installation/guide/cde110\\_install.html](http://www.cisco.com/en/US/docs/video/cds/cde/cde110/installation/guide/cde110_install.html)
- *Regulatory Compliance and Safety Information for Cisco Content Delivery Engines*  
[http://www.cisco.com/en/US/docs/video/cds/cde/regulatory/compliance/CDE\\_RCSI.html](http://www.cisco.com/en/US/docs/video/cds/cde/regulatory/compliance/CDE_RCSI.html)
- *Open Source Used in VDS-TV 3.2*  
[http://www.cisco.com/en/US/products/ps12653/products\\_licensing\\_information\\_listing.html](http://www.cisco.com/en/US/products/ps12653/products_licensing_information_listing.html)

The entire VDS software documentation suite is available on Cisco.com at:

[http://www.cisco.com/en/US/products/ps7127/tsd\\_products\\_support\\_series\\_home.html](http://www.cisco.com/en/US/products/ps7127/tsd_products_support_series_home.html)

The entire VDS hardware documentation suite is available on Cisco.com at:

[http://www.cisco.com/en/US/products/ps7126/tsd\\_products\\_support\\_series\\_home.html](http://www.cisco.com/en/US/products/ps7126/tsd_products_support_series_home.html)

# Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

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