



Cisco Videoscape Voyager Vantage Step-by-Step Installation Instructions

Introduction

This document provides step-by-step instructions for transitioning from SARA to the Cisco® Videoscape™ Voyager Vantage (Vantage) application or deploying Vantage side-by-side with SARA in a headend environment.

Document Version

This is the second formal release of this document. This document was modified to provide step-by-step instructions for installing the Videoscape Voyager Vantage software.

In This Document

■ Verify the Installed Software Version on the DNCS.....	2
■ Obtain Latest Vantage Code and Associated Themes.....	3
■ Edit Configuration Files.....	4
■ Create the AppsInBand Source.....	6
■ Create the Source Definition for AppsInBand.....	7
■ Create the BFS Source for AppsInBand.....	8
■ Create BFS Server for AppsInBand.....	10
■ Create BFS Server for msoconfig.....	11
■ Define msoconfig and rtnclient in bfsClient.....	12
■ Create the rtnclient Server.....	18
■ Create /galio/packages Under the rtnclient Server.....	19
■ Link the File Path to the theme.zip File.....	20
■ Provision STBs with Application, Theme, Logo, and Language Downloadable Objects.....	21
■ Appendix A: Vantage SAM Service Values.....	27
■ Appendix B: Vantage Configuration Files.....	28

Verify the Installed Software Version on the DNCS

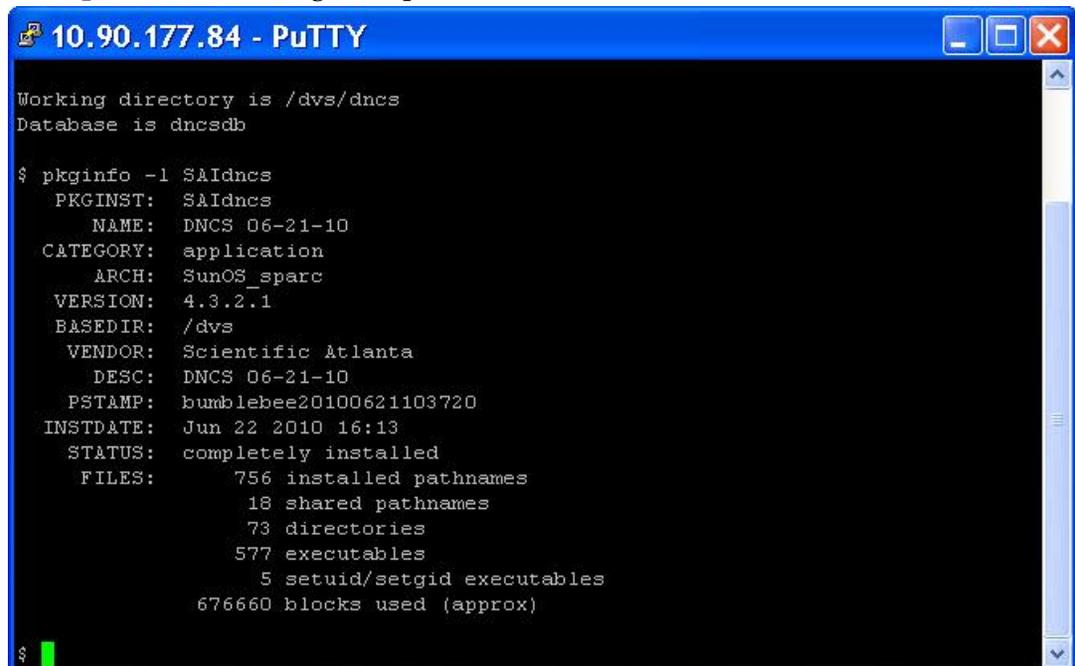
Either System Release (SR) 4.3.0 or SR 4.3.2 needs to be installed on the DNCS in order to support Vantage. Follow this procedure to ensure that either SR 4.3.0 or SR 4.3.2 is running on the DNCS.

- 1 If necessary, open an xterm window on the DNCS.
- 2 Type the following command and press **Enter**.

```
pkginfo -l SAIdncs
```

Note: The -l is a lowercase L.

Example: The following example shows SR 4.3.2.1 installed on the DNCS.



```
10.90.177.84 - PuTTY
Working directory is /dvs/dncs
Database is dnccsdb

$ pkginfo -l SAIdncs
  PKGINST: SAIdncs
    NAME: DNCS 06-21-10
  CATEGORY: application
    ARCH: SunOS_sparc
  VERSION: 4.3.2.1
  BASEDIR: /dvs
  VENDOR: Scientific Atlanta
    DESC: DNCS 06-21-10
  PSTAMP: bumblebee20100621103720
  INSTDATE: Jun 22 2010 16:13
  STATUS: completely installed
  FILES:
    756 installed pathnames
    18 shared pathnames
    73 directories
    577 executables
    5 setuid/setgid executables
    676660 blocks used (approx)

$
```

- 3 Does your output from step 2 show that either SR 4.3.0 or SR 4.3.2 is installed on the DNCS?
 - If **yes**, continue with the next procedure.
 - If **no**, contact Cisco Services and arrange for the upgrade of the system to either SR 4.3.0 or SR 4.3.2.

Obtain Latest Vantage Code and Associated Themes

Vantage customers should work with their Cisco account manager to order and obtain Vantage software. Vantage software comes bundled with the code image, the Cisco blue theme, and three configuration files: config.ini, globalconfig.txt, and stagingdefaults.txt.

Alternatively, the three configuration files can be obtained from the following website: <http://tools.cisco.com/squish/d644b>

Note: The file is called similarly to VantageConfigFles.zip.

When you have obtained the code images, the zipped theme file, and the three configuration files, follow these directions regarding where to place them.

- 1 Place the code images in the /dvs/resapp directory.
- 2 Enter `cd /export/home/dncs`.
- 3 Create the rtnConfig directory.
`mkdir rtnConfig`
- 4 Enter `ls -ltr` to confirm the successful creation of the rtnConfig directory.
Note: The rtnConfig directory should have the following permissions:
`drwxr-xr-x 2 dncs dncs 512 Jun 2 14:28 rtnConfig`
- 5 Place the zipped theme file, as well as the three Vantage configuration files into this newly created rtnConfig directory.
- 6 Enter `cd rtnConfig`.
- 7 Extract the Vantage configuration files.

Edit Configuration Files

Three Vantage configuration files need to be added to the BFS:

config.ini

The `config.ini` file is used to configure some core middleware settings, such as nightly reboots (if required), MoCA, and VOD. The sample file in Appendix B -- see *config.ini* (on page 28) --, or the file that you downloaded, can be edited to configure these settings as you deem necessary. The VOD section of the default `config.ini` file is commented out. Refer to *Cisco Videoscape Voyager Vantage Configuration Guide* (part number OL-26411) to customize and configure VOD.

Note: The system operator needs to choose the VOD system to be used, Arris or SeaChange. This choice dictates the way the VOD section of the `config.ini` file is configured.

globalconfig.txt

The `globalconfig.txt` file defines values for specific global settings that the user will experience. These values will override any settings that the user can change in the UI. Therefore, be mindful when changing anything that the user also has the capability of changing in the UI, because this file's settings will override what the user has configured.

The default file that was delivered when downloading the code image is usable as is. If you want to change the settings, refer to the sample and comments in the actual file for instructions on changing or enabling each setting.

The only settings that must be changed to be specific to your site are the phone numbers:

- `purchaseProblemPhone`
- `notAuthorizedPhone`
- `disconnectPhone`

See *globalconfig.txt* (on page 31) in Appendix B for a sample file.

stagingdefaults.txt

The `stagingdefaults.txt` file defines values for specific global settings that factory-fresh boxes will use upon boot-up. These values will be the settings when the box is first deployed. These values can be overridden by both the `globalconfig.txt` file and the user settings in the UI.

The default file that was delivered when downloading the code image is usable as is. If you want to change the settings, refer to the sample and comments in the actual file for instructions on changing or enabling each setting. See *stagingdefaults.txt* (on page 35).

Create the AppsInBand Source

- 1 On the DNCS Administrative Console, click the **DNCS** tab.
- 2 Click the **System Provisioning** tab.
- 3 Click **Source**. The Source List window opens.
- 4 Click **File --> New**. The Set Up Source window opens.
- 5 For the **Source Name**, type **AppsInBand**.
- 6 For the **Source ID**, type the next available source ID.
Note: Cisco recommends a **Source ID** of **210**, if it is available. If it is not available, then select the next available **Source ID**.
- 7 Click **Save**.

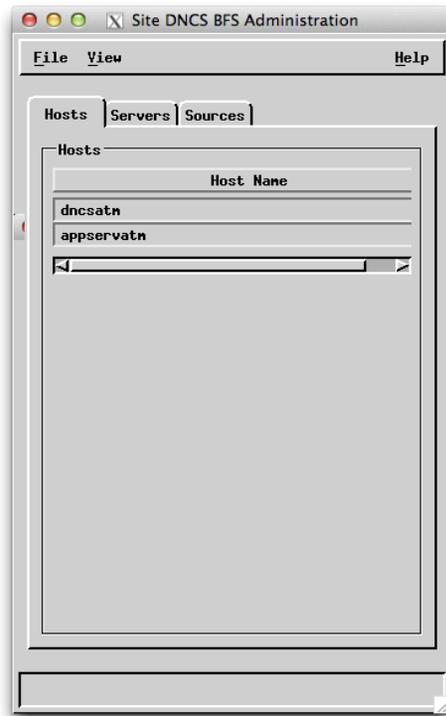
Create the Source Definition for AppsInBand

- 1 On the DNCS Administrative Console, click the **DNCS** tab.
- 2 Click the **System Provisioning** tab.
- 3 Click **Source**. The Source List window opens.
- 4 Click to highlight the **AppsInBand** source.
- 5 Click **File --> Source Definitions**. The Set Up Digital Source Definition window opens and displays the Digital Source Set Up area.
- 6 Click **New Digital**.
- 7 For the **Session ID**, type all zeros in the left box, and then type the Source ID for the AppsInBand source in the right box.
Example: 00:00:00:00:00:00 210
- 8 Click **Next**. The Define Session area of the window appears.
- 9 Click the **BFS** radio button.
- 10 Click **Next**.
- 11 Click **Save**.

Create the BFS Source for AppInBand

Create the BFS Source for AppInBand

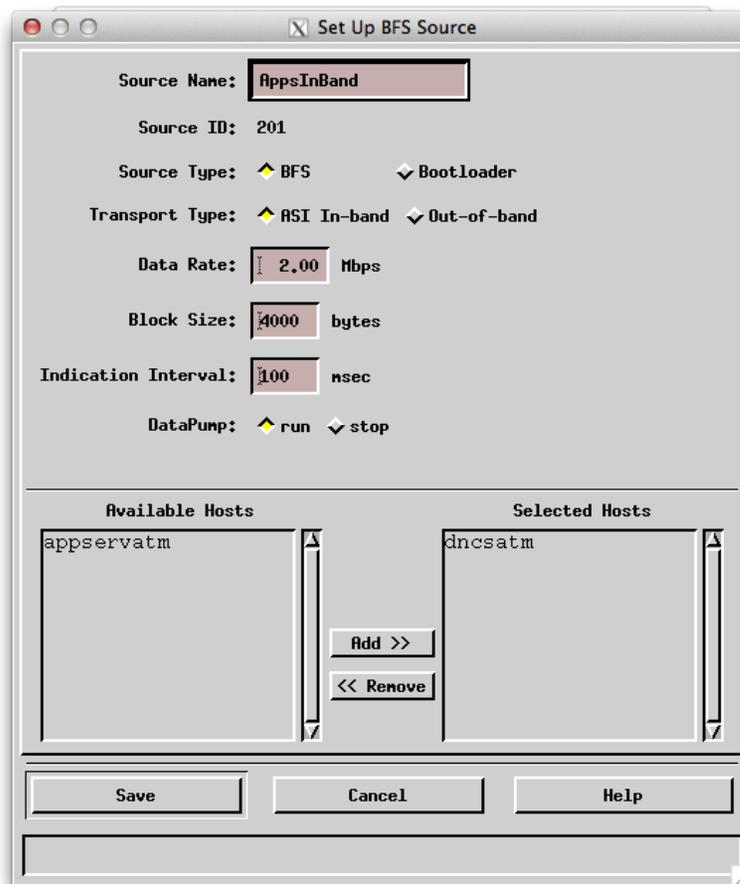
- 1 On the DNCS Administrative Console, click the **Application Interface Modules** tab.
- 2 Click **BFS Admin**. The BFS Administration window opens.



- 3 Click the **Sources** tab.
- 4 Click **File --> New**. The Set Up BFS Source window opens.

- 5 Configure the Set Up BFS Source window, as follows.
 - **Source Name** – AppsInBand
 - **Source ID** -- Use the Source ID already associated with AppsInBand
 - **Source Type** – BFS
 - **Transport Type** – ASI In-band
 - **Data Rate** – 2 Mbps
 - **Block Size** – 4000 bytes
 - **Indication Interval** – 100
 - **DataPump** – Run
 - **Selected Hosts** – Highlight dnscatm in the **Available Hosts** column and click **Add**.

Example: The Set Up BFS Source window should look similar to this example when you are finished.



- 6 Click **Save**.

Create BFS Server for AppsInBand

- 1 On the DNCS Administrative Console, click the **Application Interface Modules** tab.
- 2 Click **BFS Admin**.
- 3 Click the **Server** tab.
- 4 Click **File** and then select **New**.
- 5 In the **Server Name** field, type **rtnclient**.
- 6 In the **Available Sources** field, highlight **AppsInband**.
- 7 Click **Add**.
- 8 Click **Save**.

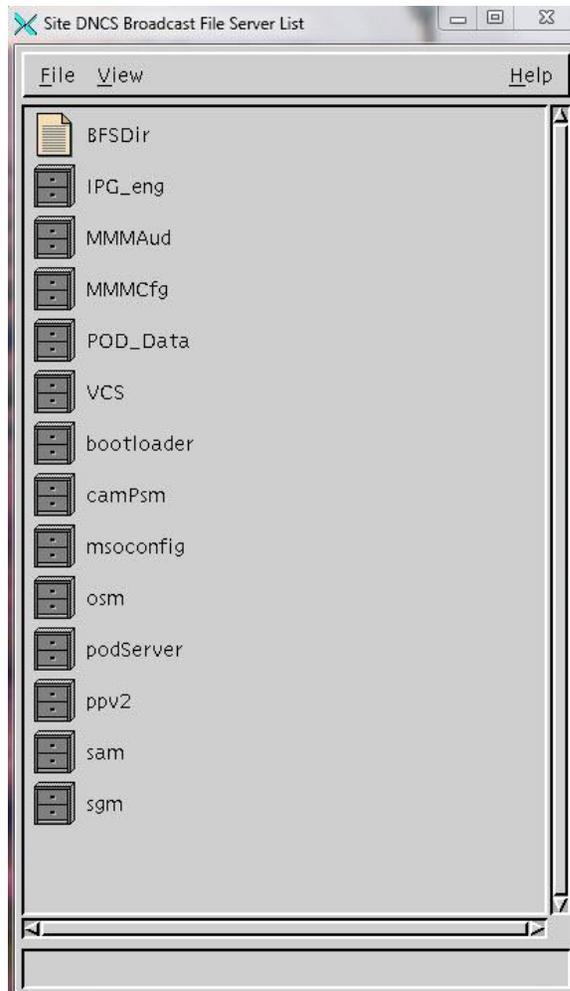
Create BFS Server for msoconfig

- 1 On the DNCS Administrative Console, click the **Application Interface Modules** tab.
- 2 Click **BFS Admin**.
- 3 Click the **Server** tab.
- 4 Click **File** and then select **New**.
- 5 In the **Server Name** field, type **msoconfig**.
- 6 In the **Available Sources** field, highlight **Out-of-Band**.
- 7 Click **Add**.
- 8 Click **Save**.

Define msoconfig and rtnclient in bfsClient

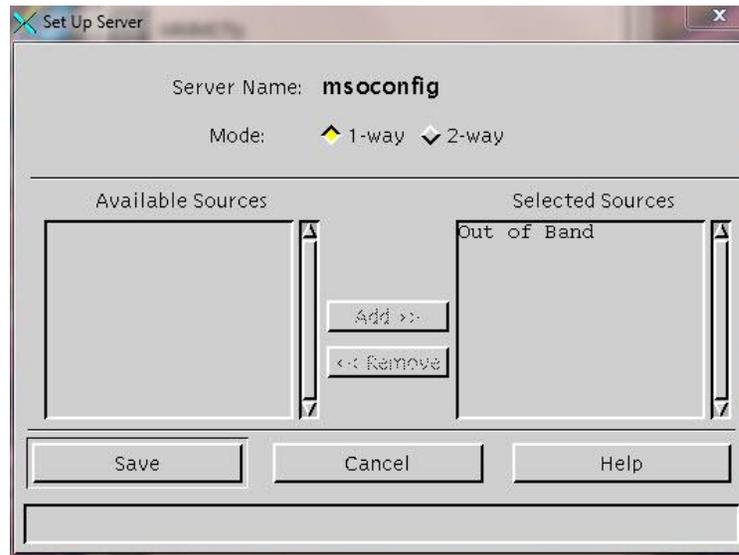
Create the msoconfig Server

- 1 From the DNCS Administrative Console, click the **Application Interface Modules** tab.
- 2 Click **BFS Client**. The Site DNCS Broadcast File Server List window opens.



- 3 Click **File** and select **New Server**. The Set Up Server window opens.
- 4 In the **Server Name** field, click the arrow and select **msoconfig**.
- 5 In the **Mode** field, click **1-way**.
- 6 In the **Available Sources** column, highlight **Out of Band**.

- Click **Add**. The Out of Band source moves to the Selected Sources column.



- Click **Save**. The Set Up Server window closes.

Create the rtn Directory

- From the Site DNCS Broadcast File Server List window, be sure that **msoconfig** is highlighted.
- Click **File** and select **New Directory**. The Set Up Directory window opens.
- In the Directory Name field, type **rtn**.

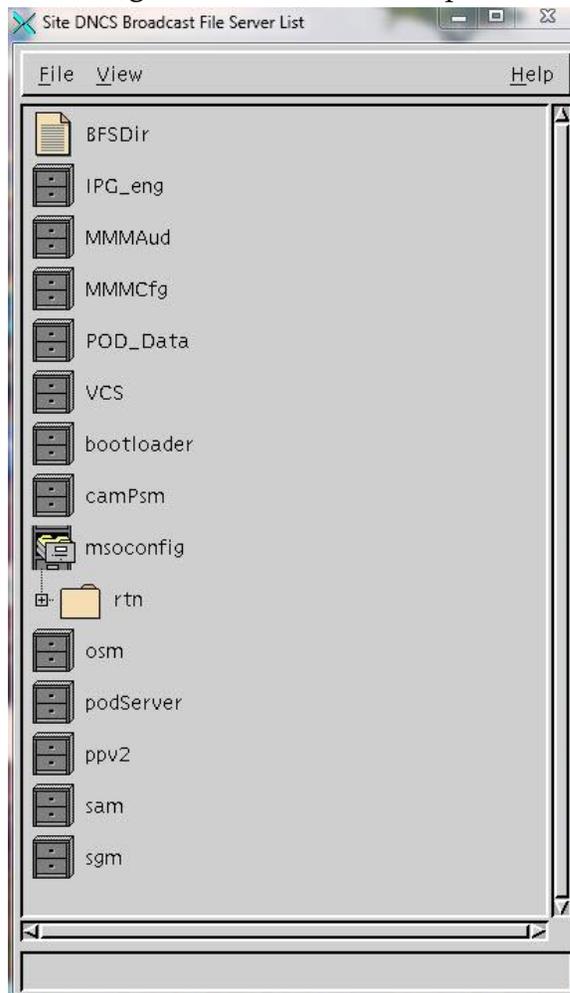


- Click **Save**. The Set Up Directory window closes.

Create the 0 Subdirectory

In this procedure, you will create a subdirectory called 0 (zero). The 0 subdirectory represents global settings. Should a system operator want STBs that are associated with a specific hub to behave differently than what the global settings stipulate, the system operator should create a hub-specific directory, such as 14, where 14 represents the hub ID. All STBs on hub 14 would then obtain their dedicated configuration from this hub-specific subdirectory.

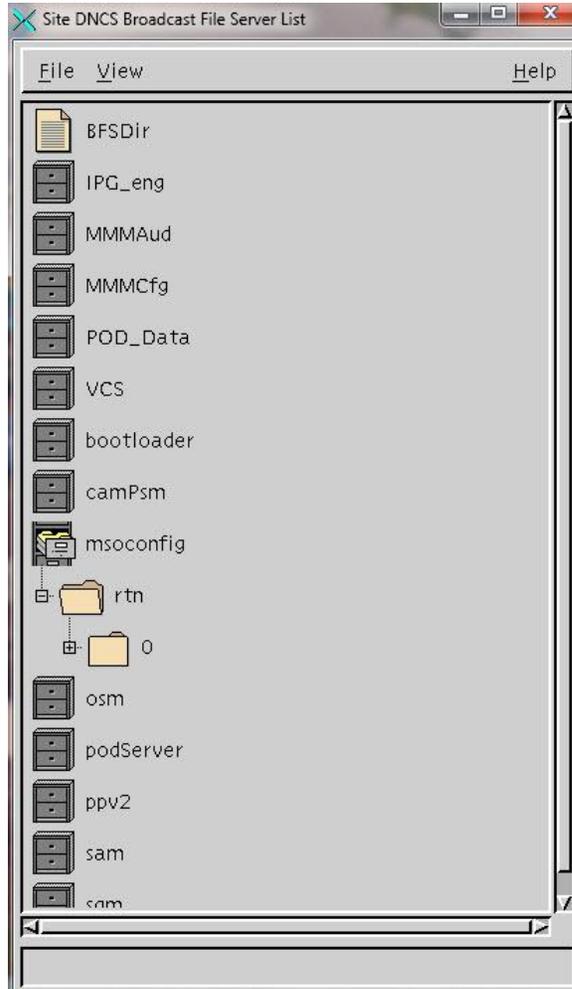
- 1 From the Site DNCS Broadcast File Server List window, double-click the **msoconfig** cabinet. The cabinet expands to show the rtn directory.



- 2 Highlight the **rtn** directory.
- 3 Click **File** and then select **New Directory**. The Set Up Directory window opens.
- 4 In the **Directory Name** field, type **0** (the numeral zero). The system creates the 0 subdirectory.
- 5 Click **Save** to close the Set Up Directory window.

Link the File Path to the globalconfig.txt File

- 1 On the Site DNCS Broadcast File Server List window, double-click the **rtn** directory. The rtn directory expands to reveal the 0 subdirectory.

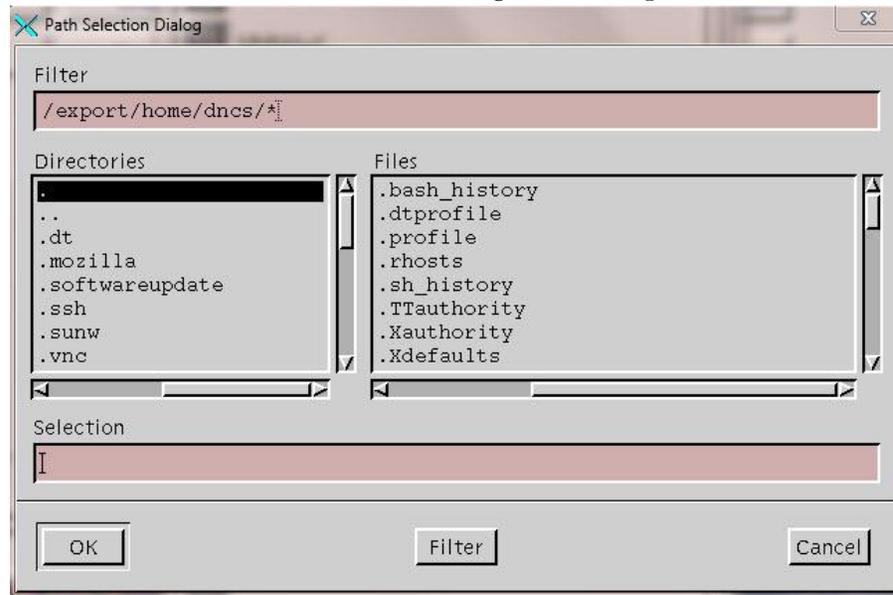


- 2 Highlight the **0** subdirectory.
- 3 Click **File** and then select **New Link**. The Set Up Link window opens.
- 4 In the **Link Name** field, type **globalconfig.txt**.



Define msoconfig and rtnclient in bfsClient

- 5 Click **Select**. The Path Selection Dialog window opens.



- 6 Click to filter the path to the following:
/export/home/dnscs/rtnConfig
- 7 Highlight the **globalconfig.txt** file and select **OK**.
- 8 Click **Save**.
- 9 Close the Site DNCS Broadcast File Server List window.

Link the File Path to the config.ini File

- 1 On the Site DNCS Broadcast File Server List window, double-click the **rtn** directory. The rtn directory expands to reveal the 0 subdirectory.
- 2 Highlight the 0 subdirectory.
- 3 Click **File** and then select **New Link**. The Set Up Link window opens.
- 4 In the **Link Name** field, type **config.ini**.
- 5 Click **Select**. The Path Selection Dialog window opens.
- 6 Click to filter the path to the following:
/export/home/dnscs/rtnConfig
- 7 Highlight the **config.ini** file and select **OK**.
- 8 Click **Save**.
- 9 Close the Site DNCS Broadcast File Server List window.

Link the File Path to the stagingdefaults.txt File

- 1 On the Site DNCS Broadcast File Server List window, double-click the **rtn** directory. The rtn directory expands to reveal the 0 subdirectory.
- 2 Highlight the 0 subdirectory.
- 3 Click **File** and then select **New Link**. The Set Up Link window opens.
- 4 In the **Link Name** field, type **stagingdefaults.txt**.

Define msoconfig and rtnclient in bfsClient

- 5 Click **Select**. The Path Selection Dialog window opens.
- 6 Click to filter the path to the following:
/export/home/dnscs/rtnConfig
- 7 Highlight the **stagingdefaults.txt** file and select **OK**.
- 8 Click **Save**.
- 9 Close the Site DNCS Broadcast File Server List window.

Create the rtnclient Server

- 1 From the DNCS Administrative Console, click the **Application Interface Modules** tab.
- 2 Click **BFS Client**. The Site DNCS Broadcast File Server List window opens.
- 3 Click **File** and select **New Server**. The Set Up Server window opens.
- 4 In the **Server Name** field, click the arrow and select **rtnclient**.
- 5 In the **Mode** field, click **1-way**.
- 6 In the **Available Sources** column, highlight **AppsInBand**.
- 7 Click **Add**. The Out of Band source moves to the Selected Sources column.
- 8 Click **Save**. The Set Up Server window closes.

Create /galio/packages Under the rtnclient Server

Create the galio Directory

- 1 From the Site DNCS Broadcast File Server List window, be sure that **rtnclient** is highlighted.
- 2 Click **File** and select **New Directory**. The Set Up Directory window opens.
- 3 In the **Directory Name** field, type **galio**.
- 4 Click **Save**. The Set Up Directory window closes.

Create the packages Directory

- 1 From the Site DNCS Broadcast File Server List window, be sure that **galio** is highlighted.
- 2 Click **File** and select **New Directory**. The Set Up Directory window opens.
- 3 In the **Directory Name** field, type **packages**.
- 4 Click **Save**. The Set Up Directory window closes.

Link the File Path to the theme.zip File

- 1 On the Site DNCS Broadcast File Server List window, double-click the **rtnclient** server. The rtnclient server expands to reveal the galio folder.
- 2 Double-click the **galio** folder.
- 3 Double-click the **packages** folder.
- 4 Click **File** and then select **New Link**. The Set Up Link window opens.
- 5 In the **Link Name** field, type the name of the theme zip file.
Note: The actual name of the theme zip file is code-dependent, and is likely to begin with "cbhd".
Example: `cbhd-06.08.00-vvv3.2-01.00-from-3.2.0.0112.zip`
- 6 Click **Select**. The Path Selection Dialog window opens.
- 7 Click to filter the path to the following:
`/export/home/dnCS/rtnConfig`
- 8 Highlight the theme zipped file and select **OK**.
- 9 Click **Save**.
- 10 Close the Site DNCS Broadcast File Server List window.

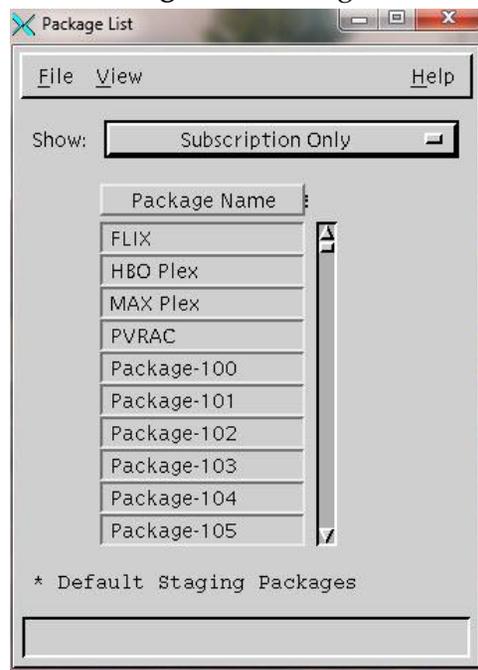
Provision STBs with Application, Theme, Logo, and Language Downloadable Objects

Create the Vantage Entitlement Package

In this procedure, you will create entitlement packages. These steps need to be completed for each entitlement package you create.

Note: You can create one entitlement package per object (for example, one entitlement package for each application, theme, logo, or language object, such as the *Vantage* package for authentication of the Vantage object). Or, you can create an entitlement package for a group or suite of objects (for example, one entitlement package for multiple applications, such as an "Applications" package for authorization of multiple objects).

- 1 From the DNCS Administrative Console, click the **System Provisioning** tab.
- 2 Click **Package**. The Package List window opens.



- 3 Click **File** and then select **New**. The Set Up Package window opens.
- 4 In the **Package Name** field of the Set Up Package window, type the following:
Vantage
- 5 Be sure the **Duration** is set to **Unlimited**.
- 6 Click **Save**. The Set Up Package window closes.

Provision STBs with Application, Theme, Logo, and Language Downloadable Objects

- 7 From the Package List window, scroll down to find the just-created **Vantage** package.
- 8 Highlight the **Vantage** package.
- 9 Click **File** and then select **Open**. The Set Up Package window opens showing the just-created Vantage package.
- 10 Take note of the Entitlement ID (EID) and record that value in the space provided:

- 11 The EID is in hexadecimal format. Access a hexadecimal-to-decimal conversion chart on the Internet, and then record the decimal equivalent in the space provided. The decimal equivalent is used in the SAM Service URL field in Create a SAM Service.

- 12 Click **Cancel** to close the Set Up Package window.
- 13 Click **File** and then select **Close** to close the Package List window.

Creating a SAM Service

You need to create a SAM service for each object ID.

- 1 From the DNCS Administrative Console, click the **Application Interface Modules** tab.
- 2 Click **SAM Service**. The SAM Service List window opens.



The screenshot shows a window titled "SAM Service List" with a menu bar containing "File", "View", and "Help". Below the menu bar is a table with four columns: "Short Description", "Service Name", "Service ID", and "URL Tag". The table contains the following data:

Short Description	Service Name	Service ID	URL Tag
ACTN	ACTN	40	watchtv
AMC	AMERICAN MOVIE CLAS	31	watchtv
ATC	WATC	16	watchtv
CSPAN	CSPAN	19	watchtv
CSPAN2	CSPAN2	23	watchtv
DISC	DISCOVERY CHANNEL	29	watchtv
DR	DRNCS	57	watchtv
DRN	ENCE	59	watchtv
DSCK	Discovery Kids	37	watchtv
DSCS	Discovery Science	38	watchtv

- 3 On the SAM Service List window, click **File** and select **New**. The Set Up SAM Service List window opens.

Provision STBs with Application, Theme, Logo, and Language Downloadable Objects

- 4 Follow these instructions to configure the Set Up SAM Service List window.
 - a In the **Service Name** field, type **_BASE**.
 - b In the **Short Description** field, type **_BASE**.
 - c In the **Long Description** field, type **Vantage Authorization Pkg**.
 - d In the **Application URL** field, type the following:
DummyURL;EID=[EID from the Vantage package]
Example: DummyURL;EID=12
Notes:
 - Substitute for **[EID from the Vantage package]** the *decimal* EID that you recorded in step 11 of *Create the Vantage Entitlement Package* (on page 21).
 - The **Logo** and **Param Number** fields should be set to **0** (zero).
 - e Click **Save**. The Set Up SAM Service List window closes.
- 5 Go to *Appendix A: Vantage SAM Service Values* (on page 27), and repeat this procedure for the SAM services required for your system configuration.
- 6 Click **File** and select **Close** to close the SAM Service List window.

Load Set-Top Box Code

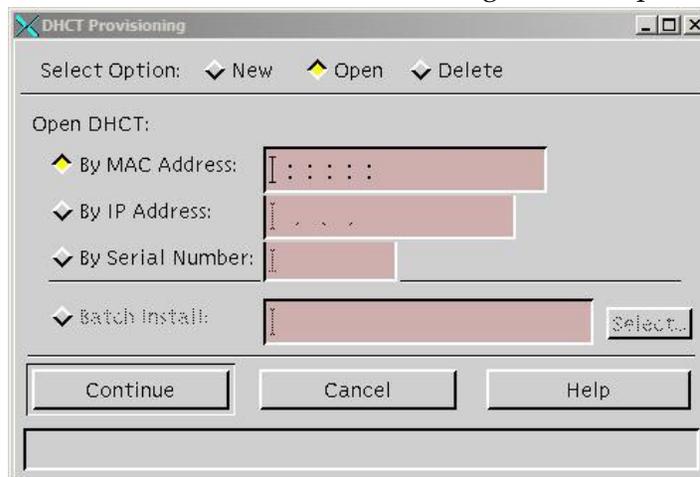
Reference *Downloading and Installing the Cisco Videoscape Voyager Vantage Client Instructions* (part number OL-26412) and follow your normal procedures to associate the applicable images to the carousel, associate STBs to a test group if applicable, and associate code to the STB types.

Assign the Entitlement Package to a Set-Top Box

In this procedure, you will assign an entitlement package to an STB.

Note: Be sure that the STB is provisioned with Entitlement Management Messages (EMMs) for package authorization.

- 1 From the DNCS Administrative Console, click the **Home Element Provisioning** tab.
- 2 Click **DHCT**. The DHCT Provisioning window opens.



Provision STBs with Application, Theme, Logo, and Language Downloadable Objects

- 3 Click **By MAC Address** and type the MAC address of a DHCT/CableCARD module in the test lab, and then click **Continue**. The Set Up DHCT window opens.

The screenshot shows the 'Set Up DHCT' window with the following configuration details:

- MAC Address: 00:23:BE:9A:8C:B2
- Communications | Secure Services
- Site Name:
- Headend Name: RogerHE1
- Hub Name: Hub1
- Bridge Name: QPSK1
- Operational Status: DAVIC DSMCC Initialized
- Open Cable ID:
- Service Group Name: - Unknown -
- Admin Status: In Service Two Way ▲
- DHCT Type: Explorer 8642 version 1 ▲
- Boot Page: - none - ▲
- Primary VASP Name: - none - ▲
- S/W Table Of Contents: [] [Select...]
- Billing ID: []
- IP Address: 10. 3. 64. 24
- DHCT Serial Number: SAB THRBHB

Buttons at the bottom: Save, Cancel, Help

Provision STBs with Application, Theme, Logo, and Language Downloadable Objects

- 4 Click the **Secure Services** tab. The window updates to allow you to assign a package or packages to the DHCT.

MAC Address: **00:23:BE:9A:8C:B2**

Communications | **Secure Services**

Secure Element Serial Number: **00:22:CE:66:8C:AF**

Key Certificate

◆ Powerkey ◆ User

Powerkey name: C=US;O=Scientific-Atlanta;OU=Scientific-Atlanta Mexico;CN=PK0022ce668caf

Clear Load from batch CD...

Packages

Available		Selected
Package-100	Add >> << Remove	PVRAC
Package-101		TMC Plex
Package-102		MAX Plex
Package-103		VIP
Package-104		HBO Plex
Package-105		FLIX
Package-106		SUNDANCE
Package-107		Showtime Plex
Package-108		
Package-109		

Options

IPPV Enable

IPPV Credit Limit:

Max. IPPV Events:

DMS Enable DIS Enable Analog Enable

Fast Refresh Enable

Location X: Y:

DHCT Instant Hit Poll DHCT for IPPV Data

Save Cancel Help

- 5 Locate and then highlight the **Vantage** package in the **Available** column of the **Packages** section of the window.
- 6 Click **Add**. The Vantage package moves from the **Available** column to the **Selected** Column.
- 7 Click **Save**.
- 8 Click **Close** to close the Set Up DHCT window.
- 9 Click **Cancel** to close the DHCT Provisioning window.

Appendix A: Vantage SAM Service Values

Repeat the steps in *Creating a SAM Service* (on page 22) for whichever of the following SAM service values are required for your configuration.

Note: If the site has switched digital video (SDV), the `_SADV` setting needs to be carefully modified. If the site is using scanlists, the entry should look similar to the following:

DummyURL;EID=17;scan=567:256,573:256,579:256

- `_BASE` - Brick Package
- `_MRDV` - Multi-Room DVR
- `_RDVR` - Remote DVR
- `_SADV` - DVR local on the box
- `_SASD` - Swiched Digital Video
- `_<pkg ID>` - Used to authorized downloadable objects
- `_VOD` - Enable VOD app
- `_PPV` -Enable PPV service
- `_cbhd` - Cisco Blue HD theme
- `_EPGS` - EPG Guide Search

Typical Values for a Base Vantage Installation:

- `_BASE`
- `_MRDV`
- `_SADV`
- `_PPV`
- `_EPGS`
- `_cbhd`

Appendix B: Vantage Configuration Files

Samples of the three Vantage configuration files follow. The files that were delivered with the code image and/or that you downloaded independently in the previous section are ready to be used as is. If you want to edit the files, refer to the examples and instructions that follow.

config.ini

The config.ini file is used to configure some core middleware settings, such as nightly reboots (if required), MoCA, and VOD. The following sample file, or the file that you downloaded, can be edited to configure these settings as you deem necessary. The VOD section of the default config.ini file is commented out. Refer to *Cisco Videoscape Voyager Vantage Configuration Guide* (part number OL-26411) to customize and configure VOD.

Notes:

- The system operator needs to choose the VOD system to be used, Arris or SeaChange. This choice dictates the way the VOD section of the config.ini file is configured.
- For sites that deploy Arris VOD, refer to *SAImet Package 1.0.0.3 Installation and Configuration Guide* (part number OL-29312).

```
#####
# This is the default config.ini file to be added to BFS
# This config.ini file has all VOD related sections commented out
# VOD configuration instructions should be consulted before editing and un-
commenting the VOD section
#####
# -----
# Nightly Reboot Entries
# -----
# disable is a boolean answering the question of do we disable the nightly
reboot feature.
# time is an integer corresponding to the hour of the day to perform the
reboot, 0-23, e.g. 3 = 3:00 AM.
# If no variables are set, the default code behavior is to not reboot. If
time is not set, the code defaults to 3am.
[reboot]
# disable=0
# disable=1
# time is only parsed if Nightly Reboot is ENABLED (not disabled).
# time=3
```

```

# -----
# Moca Manager Entries
# -----

# enable_moca_by_service describes whether or not the MoCA system will be
# enabled/ disabled with a SAM service.

# If value is 0, then the system will not enable/disable MoCA in concert
# with service authorization updates.

# The service provider will be required to enable/disable MoCA by
# alternative means (e.g. Moca MIBs).

# If value is 1, then the system will enable/disable MoCA in concert with
# service updates. The system will only

# enable MoCA if the subscriber is authorized for the service that is
# identified in moca_service_name field that

# is identified in the [moca] section of the config.ini.

# moca_service_name identifies the SAM service that enables/disables MoCA.
# Cisco recommends that this SAM service be the same SAM service as the Multi-
# room DVR service (_MRDV), but MoCA & MR-DVR can be authorized with different
# SAM service packages, if need be.

# This field is REQUIRED and only valid if the enable_moca_by_service=1. If
# this field is not present in the

# config.ini or is empty then this is an invalid configuration and shall be
# logged.

# If the [moca] section is missing from config.ini then the system will
# default to same behavior

# as defined for enable_moca_by_service=0.

[moca]

enable_moca_by_service = 1
#enable_moca_by_service = 0

moca_service_name = _MRDV
#moca_service_name = _MOCA

#-----

# on-demand system

#-----

#The srmManufacturer, and streamerManufacturer are used by the VOD client to
#determine what type of VOD

#system to be launched. Currently, the supported VOD systems are either
#"Arris" or "Seachange".

#Note: by default, if the on-demand-system section is commented out, the STB
#will boot up with Seachange

#VOD system. Any change to either srmManufacturer/streamerManufacturer will
#reboot the STB.

#

#[on-demand-system]
#srmManufacturer=Arris
#streamerManufacturer=Arris

```

Appendix B: Vantage Configuration Files

```
#-----  
# on-demand connection manager  
#-----  
#Note: on-demand-connection-mgr section is used with Arris VOD only.  
#The name/value pair of the on-demand-connection-mgr represents hub id and  
connection manager ip address.  
#The connection manager server resides in the VOD back office (ie. Arris VOD  
system). Its  
#responsibilities are as follows: (1) to interface with Session Resource  
Management (SRM), (2) to set up  
#VOD sessions and to choose the most favorable path (from among all  
available configured paths) over which  
#to deliver requested video assets to the requesting VOD client.  
#  
#[on-demand-connection-mgr]  
#0=172.200.4.10  
#1=172.200.4.10  
#2=172.200.4.10  
  
# -----  
# VOD Entries  
# -----  
# The following three parameters contain a list for the same set of  
services.  
# The "uids" are the unique identifiers for top level catalogs. The top  
level  
# catalog can either be TVOD (transaction VOD) or SVOD (subscription VOD).  
# The uid can be in decimal or can be in hexadecimal with 0x prefix.  
# The "samids" are the SAM service IDs in decimal.  
# The "types" are the VOD types. Allowed values are vod, svod.  
#  
#[vod]  
#uids=0x11a8001e,0x11a80069,0x11a8006a,0x11a8007a,0x11a8006c,0x11a8006d,0x11  
a8006e,0x11a8006f,0x11a80070,0x11a80071,0x11a80072,0x11a80077,0x11a80074  
#samids=329,349,381,367,368,369,370,379,380,371,372,373,381  
#types=VOD,SVOD,SVOD,SVOD,SVOD,SVOD,SVOD,SVOD,SvoD,Svod,SVOD,Svod,VOD  
  
# vodposterart is the BFS directory (pathname) for VOD poster art tar file.  
If none supplied, STB uses  
# default which is /bfs/rtnclient/posterart. Used by maintenance download.  
#vodposterart = /bfs/rtnclient/posterart
```

globalconfig.txt

The globalconfig.txt file defines values for specific global settings that the user will experience. These values will override any settings that the user can change in the UI. Therefore, be mindful when changing anything that the user also has the capability of changing in the UI, because this file's settings will override what the user has configured.

The default file that was delivered when downloading the code image is usable as is. If you want to change the settings, refer to the sample and comments in the actual file for instructions on changing or enabling each setting.

The only settings that must be changed to be specific to your site are the phone numbers:

- **purchaseProblemPhone**
- **notAuthorizedPhone**
- **disconnectPhone**

```
#####
# This config file defines values for RTN specific global settings
# These values will over-ride any settings that the user can change
#     so be mindful when changing anything that the user also has the
#     capability
#     of changing in the UI, as this file's settings will override.
#####

#####
# variableVolumeControl indicates whether volume is variable, i.e, not
# fixed.
#     Fixed volume is used to set the audio output to optimum stereo level
# and disable remote volume control of the set-top.
# The user can change this setting from the UI, be careful when over-riding
# here
#####
#ciscoSg/audio/variableVolumeControl:false

#####
# fixedVolumeLevel indicates the level of the fixed audio volume, expressed
# as a percentage.
#     It indicates which volume to use when in fixed (not variable) volume
# mode.
#     Any value between 0 and 100 can be used with 0 indicating zero volume
# and 100 indicating full volume.
```

Appendix B: Vantage Configuration Files

```
# The user can change this setting from the UI, be careful when over-riding
here
#####
ciscoSg/audio/fixVolumeLevel:100

#####
# Whether to display the Live TV element in the Menu Portal.
#     A value of false will hide the Live TV entry in the menu.
#     A value of true will show the Live TV entry in the menu.
#####
ciscoSg/look/mainMenuHasLiveTv: true

#####
# pipSuppt Indicates whether PIP (picture in picture) is supported.
#     If false, the app will ignore all PIP user input (such as key
presses.)
#####
ciscoSg/look/pipSuppt: true

#####
# popSuppt Indicates whether POP (picture outside picture) is supported.
#     If false, the app will not allow POP.
#####
ciscoSg/look/popSuppt: true

#####
# skinStyleList defines the list of skins that are available to the user
#     the list should consist of comma-separated 4-digit skin IDs
# skinStyle defines the default, global theme by 4-digit skin ID
# The user can change the skinStyle setting from the UI if you have multiple
skins in the skinStyleList, be careful when over-riding here
#####
ciscoSg/look/skinStyleList:cbhd
ciscoSg/look/skinStyle:cbhd

#####
# If powerOnAfterReboot is true, then automatically power on (go to non-
standby) at booting time.
#     If absent or false, then user must press Power button after a boot.
```

Appendix B: Vantage Configuration Files

```
# true indicates that the set-top should present the UI and video when
powered-on or rebooted.

# false indicates that the set-top should wait for the user to press
the Power button to leave the standby state and present the UI and video.
# The user can change this setting from the UI, be careful when over-riding
here
#####
ciscoSg/sys/powerOnAfterBoot: false

#####
#How does the remote control List button launch the "My Recordings" list?
# Allowed values are: "rpl" and "recordedTV"
# "rpl" will launch directly to the "My Recordings List"
# "recordedTV" will launch to the "Recorded TV" tab on the Main Menu
#####
ciscoSg/look/buttonListFunction: rpl

#####
# When markUnauthChanInGuide is true, this enables the feature for graying
out unauthorized channels in the program guide.
#####
ciscoSg/chan/markUnauthChanInGuide:true

#####
# When showTunedChanBanner is true, show the channel change banner.
# This is also a user setting from the UI.
# The user can change this setting from the UI, be careful when over-riding
here
#####
#ciscoSg/sys/showTunedChanBanner:true

#####
# Service Provider phone numbers go here.
# purchaseProblemPhone is the phone number displayed to users when they
experience a problem purchasing VOD or PPV
# notAuthorizedPhone is the phone number displayed to users when they
are not authorized for a channel or service
# disconnectPhone is the phone number displayed to users in the
disconnect barker
#####
ciscoSg/ppv/purchaseProblemPhone:1800-111-1111
ciscoSg/acc/notAuthorizedPhone:1800-222-3333
```

Appendix B: Vantage Configuration Files

```
ciscoSg/acc/disconnectPhone:1800-444-5555
```

```
#####
```

```
# Configure the maintenance window start time & duration
```

```
#     maintDldWinStartTime is in the format "HH:MM" (24 hour clock)
```

```
#     maintDldWinDur is in the format of minutes (e.g. 120 minutes)
```

```
#####
```

```
ciscoSg/sys/maintDldWinStartTime: 10:20
```

```
ciscoSg/sys/maintDldWinDur: 120
```

stagingdefaults.txt

The stagingdefaults.txt file defines values for specific global settings that factory-fresh boxes will use upon boot-up. These values will be the settings when the box is first deployed. These values can be overridden by both the globalconfig.txt file and the user settings in the UI.

The default file that was delivered when downloading the code image is usable as is. If you want to change the settings, refer to the sample and comments in the actual file for instructions on changing or enabling each setting.

```
#####
# This config file defines values for RTN specific global settings
# These values will be used only on the first time factory fresh box
# Any over-rides of these values in the globalconfig.txt or via the
#   user settings in the RTN UI will over-ride the settings
#   in this file.
# Note: This sample/default file has all settings disabled (commented out)
#   by default. To enable a factory-fresh setting that will be different
#   than the globalconfig.txt setting, uncomment & modify it in this file
#####
```

```
#####
# variableVolumeControl indicates whether volume is variable, i.e, not
# fixed.
#   Fixed volume is used to set the audio output to optimum stereo level
# and disable remote volume control of the set-top.
# The user can change this setting from the UI, be careful when over-riding
# here
```

```
#####
#ciscoSg/audio/variableVolumeControl:false
```

```
#####
# fixedVolumeLevel indicates the level of the fixed audio volume, expressed
# as a percentage.
#   It indicates which volume to use when in fixed (not variable) volume
# mode.
#   Any value between 0 and 100 can be used with 0 indicating zero volume
# and 100 indicating full volume.
# The user can change this setting from the UI, be careful when over-riding
# here
```

```
#####
#ciscoSg/audio/fixedVolumeLevel:100
```

Appendix B: Vantage Configuration Files

```
#####
# Whether to display the Live TV element in the Menu Portal.
#     A value of false will hide the Live TV entry in the menu.
#     A value of true will show the Live TV entry in the menu.
#####
#ciscoSg/look/mainMenuHasLiveTv: true

#####
# pipSuppt Indicates whether PIP (picture in picture) is supported.
#     If false, the app will ignore all PIP user input (such as key
#     presses.)
#####
#ciscoSg/look/pipSuppt: true

#####
# popSuppt Indicates whether POP (picture outside picture) is supported.
#     If false, the app will not allow POP.
#####
#ciscoSg/look/popSuppt: true

#####
# skinStyleList defines the list of skins that are available to the user
#     the list should consist of comma-separated 4-digit skin IDs
# skinStyle defines the default, global theme by 4-digit skin ID
# The user can change the skinStyle setting from the UI if you have multiple
# skins in the skinStyleList, be careful when over-riding here
#####
#ciscoSg/look/skinStyleList:cbhd
#ciscoSg/look/skinStyle:cbhd

#####
# If powerOnAfterReboot is true, then automatically power on (go to non-
# standby) at booting time.
#     If absent or false, then user must press Power button after a boot.
#     true indicates that the set-top should present the UI and video when
#     powered-on or rebooted.
#     false indicates that the set-top should wait for the user to press
#     the Power button to leave the standby state and present the UI and video.
# The user can change this setting from the UI, be careful when over-riding
# here
```

```

#####
#ciscoSg/sys/powerOnAfterBoot: false

#####
#How does the remote control List button launch the "My Recordings" list?
#   Allowed values are: "rpl" and "recordedTV"
#   "rpl" will launch directly to the "My Recordings List"
#   "recordedTV" will launch to the "Recorded TV" tab on the Main Menu
#####
#ciscoSg/look/buttonListFunction: rpl

#####
# When markUnauthChanInGuide is true, this enables the feature for graying
out unauthorized channels in the program guide.
#####
#ciscoSg/chan/markUnauthChanInGuide:true

#####
# When showTunedChanBanner is true, show the channel change banner.
#   This is also a user setting from the UI.
# The user can change this setting from the UI, be careful when over-riding
here
#####
#ciscoSg/sys/showTunedChanBanner:true

#####
# Service Provider phone numbers go here.
#   purchaseProblemPhone is the phone number displayed to users when they
experience a problem purchasing VOD or PPV
#   notAuthorizedPhone is the phone number displayed to users when they
are not authorized for a channel or service
#   disconnectPhone is the phone number displayed to users in the
disconnect barker
#####
#ciscoSg/ppv/purchaseProblemPhone:1800-111-1111
#ciscoSg/acc/notAuthorizedPhone:1800-222-3333
#ciscoSg/acc/disconnectPhone:1800-444-5555

#####
# Configure the maintenance window start time & duration

```

Appendix B: Vantage Configuration Files

```
#      maintDldWinStartTime is in the format "HH:MM" (24 hour clock)
#      maintDldWinDur is in the format of minutes (e.g. 120 minutes)
#####
#ciscoSg/sys/maintDldWinStartTime: 10:20
#ciscoSg/sys/maintDldWinDur: 120
```


For Information

If You Have Questions

If you have technical questions, call Cisco Services for assistance. Follow the menu options to speak with a service engineer.



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