

Vizrt iNEWS Command Plug-in Administrator Guide

Version 3.1





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For technical support and the latest news of upgrades, documentation, and related products, visit the Vizrt web site at www.vizrt.com.

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1 Introduction

Avid has provided a Graphic Device Service plug-in SDK for their MediaCentral[®] | Command system, which Vizrt has used to create a plug-in for basic playout of Viz Pilot and Viz Trio graphics.

This guide describes integration of the Vizrt iNEWS Command Plug-in with Avid's MediaCentral® | Command workstation. In addition, it describes how to use MediaCentral® | Command to achieve a basic Vizrt graphics workflow.

1.1 Related Documents

For complementary information, see the following documents:

- Avid MediaCentral[®] | Command Installation and Configuration Guide: How to install and configure the Avid MediaCentral[®] | Command workstation.
- · Viz Engine Administrator Guide: How to setup Viz Engine as an output channel.
- Viz Pilot User Guide: How to install, configure and use Viz Pilot.
- *Viz Template Wizard User Guide:* How to create templates, assign template variants to categories, and categories to channels for multiple output channel playout.
- *Viz Trio User Guide:* How to install, configure and use Viz Trio.

1.2 Feedback And Suggestions

We welcome your feedback and suggestions regarding Vizrt products and this documentation.

To give feedback and/or suggestions, please contact your local Vizrt customer support team at http://www.vizrt.com.

1.3 Legal

1.3.1 Trademarks

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- Avid iNEWS[®] is a trademark or registered trademark of Avid Technology, Inc. or its subsidiaries in the United States and/or other countries.

2 Installation And Configuration

This section describes the basic steps you need to perform in order to successfully integrate your Vizrt graphics workflow with Avid's MediaCentral[®] | Command and how to configure Viz Pilot in order to operate multiple output channels.

The following sections describe how to install and configure Vizrt's iNEWS Command Plug-in and Viz Pilot/Viz Trio with Avid MediaCentral® | Command.

This section contains information on the following topics:

- Requirements
- Licensing Information
- Installation
- Configuration
- Output Configuration
- Configuration for https

2.1 Requirements

2.1.1 Vizrt iNEWS Command Plug-in Version 3.1

The following software requirements must be met in order to successfully install, configure and use the Vizrt iNEWS Command Plug-in version 3.1:

- · Avid MediaCentral[®] | Command version 2020.9.2 or later.
- Media Sequencer version 5.4.0 or later.
- Pilot Data Server 8.8.0 or later.
- · Viz Artist 4.4.1 or later
- · Viz Pilot 8.7.0 or later.
- · Viz Preview Server 4.5 or later.
- Viz Trio 3.2.6 or later.

2.2 Licensing Information

License information for third-party software used by the Vizrt iNEWS Command Plug-in becomes available when clicking the *Licensing information* button on the *Vizrt Plug-in Settings* tab in the Avid Service Configuration.

2.3 Installation

This section describes how to install the software necessary to integrate your Vizrt graphics workflow with Avid's MediaCentral[®] | Command:

Prerequisites

Installation of the Vizrt iNEWS Command Plug-in

2.3.1 Prerequisites

The Vizrt Avid iNEWS Command plugin requires the following server and client side installation:

- $\cdot~$ Avid MediaCentral® | Command server installation with Avid Service Framework.
- $\cdot~$ Avid MediaCentral® | Command client with an Avid Graphic Device Service 01.

Make sure that the client installation of Avid MediaCentral[®] | Command is completed on the machine.

If you are running a firewall, you should open it and allow the *Avid Graphic Device Service 01* to be allowed for all networks.

The Graphic Device Service (GDS) should not run on the same machine as the Avid MediaCentral[®] | Command Server. This setup can lead to problems with redundancy, because the GDS is not a redundant service, and would fail if the MediaCentral[®] | Command Server failed.

Note: A client version of Avid Service Framework is required for the Avid MediaCentral[®] | Command client install.

2.3.2 Installation of the Vizrt iNEWS Command Plug-in

To Install the Vizrt iNEWS Command Plug-in

Run the VizrtiNewsCommandPlugin-<major.minor>.msi file.

To Re-start All Services

- 1. Open the Avid Workgroup Properties application.
- 2. Click the **Stop** button.
- 3. Click the **Start** button.

腾 Avid Wo	orkgroup Properties		2 7 🗙
Services	Login Lookup Location System Check	Network	About
Workgroup	AvidWorkgroup	Edit	
Status	s 🤣 All enabled services are running.		
	Start	Stop	Advanced
	Apply OK	Cancel	Help

2.4 Configuration

This section describes how to successfully configure the integration between your Vizrt graphics workflow and Avid MediaCentral[®] | Command:

- Configuration for iNEWS® and Viz Pilot Plug-in
- Configuration of Viz Pilot Edge
- Configuration of the Playout Profile in Viz Pilot and Viz Trio
- · Configuration of the Vizrt iNEWS Command Plug-in
- Configuration of Avid MediaCentral® | Command workstation

2.4.1 Configuration for iNEWS[®] and Viz Pilot Plug-in

This chapter contains configuration for Star CG Syntax elements and elements dragged from Viz Pilot (MOS Syntax elements).

Note: The configuration for SYSTEM/MAP is common for both Star CG Syntax and elements dragged from VCPTemplateFiller.

SYSTEM/MOS-MAP

Using Viz Pilot from iNews requires you to configure the device name the elements that are dragged and dropped from this control should be attached to.

Do this by mapping the MOS ID. The MOS ID used is configured using the Viz Pilot configuration. If no MOS ID is specified, it defaults to *PILOT*.



After setting the MOS ID the VCPTemplateFiller uses, mapping from MOS ID to device name is done in iNews SYSTEM/MOS-MAP. The illustration below shows a SYSTEM/MOS-MAP that maps the MOS ID *PILOTGRAPHIC* to *pilotdev*.

	Γ	SLUG	CREATED		MODIFIED	BY	TIM
		MOS-MAP	20.09.2001	17:23:44	20.05.2015	19:1 avid	0:
					L]] [
	lF	DILOT milatmag					
		MOSART mosart					
	ir.	PILOTGRAPHIC piloto	lev				
	H	F					
-							

SYSTEM/MAP

Configuration in SYSTEM/MAP is required to use an iNews rundown with Avid MediaCentral[®]| Command. In the illustration below we see that for rundown *show.cfl.rundown* the device named *pilotdev* is configured, using the default channel for **cg* elements.

```
; Show: cfl (using monitor number 303)
show.cfl.rundown show.cfl - monitor 2359
wnasvr mseteam - command-master
video VideoGroup - VideoEmuChannel ;
cg pilotdev - X VCP no;
;
```

The style in the example is set to VCP. This bases star cg elements entered into this rundown on the templates of the Pilot external ID feed.

To instead base the hand-entered elements of the rundown on templates from a Viz Trio show, set the path of the show, including the shown name.

The example shown below shows Viz Trio with the show *commandshow* in the folder /shows/ moreShows/. The style to set in iNews SYSTEM/MAP is then /shows/moreShows/commandshow

File Page Playout Vie	w Tools Help
Sho	ow Control 🗖
	* 🔺 🕱
Show	/ Directories
Shows	Playlists
Folders	Shows
🖻 🗋 shows	commandshow

In the illustration below we see that for rundown show.cfl.rundown4 the above mentioned show is configured as the 'template pool' for star cg syntax elements.

```
; Show: cfl (using monitor number 337)
show.cfl.rundown4 show.cfl - monitor 2359
wnasvr command3server - command-master
video VideoGroup - VideoEmuChannel;
cg pilotdev - X /shows/moreShows/commandshow no;
```

Note: 'No' denotes that style check is off. Please refer to the Configuring Style section for details on this setting.

2.4.2 Configuration of Viz Pilot Edge

If Viz Pilot Edge is used as plug-in in the newsroom, then the MOS ID can be set as a query parameter to the URL. This URL is set when installing Show Edge. In the following example, *mosid* is set to *pilotgraphic*: http://bgo-msecommanddev:8177/app/pilotedge/PilotEdge.html? mosid=pilotgraphic

Note: The query parameter name mosid is case sensitive and must be written in lowercase letters.

2.4.3 Configuration of the Playout Profile in Viz Pilot and Viz Trio

The playout profile you want to use for the Vizrt iNEWS Command Plug-in must be configured in Viz Pilot or Viz Trio. In the illustration below, a profile named *msel* is configured with channel *X* for program and channel *P* for preview.

It is possible to configure the system for MultiChannel playout, see Avid MediaCentral[®] | Command Channel Switching and Playout.



2.4.4 Configuration of the Vizrt iNEWS Command Plug-in

The Vizrt iNEWS Command Plug-in can be configured using the Avid Service Configuration application.

Open **Avid Service Configuration > MACHINE NAME** (with the graphic service) **> Graphic Device Service**.

On the *Plug-In Chooser* page, make sure the plug-in selected is set to *Vizrt*.

O Avid Service Configuration	🗹 🗵 🔀
Eile Action View Help	
Hosts Processes	Apply Apply To Reset
V C AvidWorkgroup	Plug-in Chooser Device Settings Vizrt Plug-in Settings
🕨 🗣 🈼 bgo176w2	
🔻 🕏 bgo176w3	
- 😳 Avid Graphic Device Service 01 - pilotdev	Select a Plug-in
— 🎲 Avid Machine Monitor Service	Vizrt
- 😳 Avid Service Starter Service	
- 🎲 Avid Time Synchronization Service	
🚽 🌍 Avid Video Emulator Device Service	
🕨 🗣 bgovda3	
🕨 🕨 mseteam	
🕨 😼 nbo-pc	
	NOTE: The service must be restarted after changing the plug-in selection in order for the changes to take effect
	Selection in order for the changes to take ellect.

On the *Graphic Settings* page, choose device profile *Vizrt* (note that this tab is only available when the graphic device service has been recently installed).

𝔄 Avid Service Configuration	¥ 3 X
Eile Action View Help	
Hosts 🔅 Processes	Apply Apply To Reset
AvidWorkgroup	Plug-in Chooser Device Settings Graphic Settings Macros
▶ S bg0176w2 ▼ S bg0176w3	The service will be restarted within 15 seconds of applying changes.
Avid Graphic Device Service 01 - pilotdev	Device profile: Vizrt
Avid Machine Monitor Service	Connection Settings
- 3 Avid Time Synchronization Service	Serial
Avid Video Emulator Device Service	Host: Port: COM1
bgovda3	Port: 23 🖶 Bitrate: 19200 💌
► S nbo-pc	Data bits: 8
	Parity: NONE
	Stop bits: 1
	Inventory path:
	Add unplayable playlist items to inventory
	Allow playlist items to be edited
	Graphic Page Ranges
	Channel Minimum Maximum
	Add Delete

Click **Apply**. The service/plug-in restarts for the changes to take effect.

▲ Note: If the service does not restart automatically (usually within 15 seconds), open the Avid Workgroup Properties application and restart all services by clicking Stop, and then Start.

Setting the Device Name and Channel Count

Open the plug-in configuration again (Open **Avid Service Configuration > MACHINE NAME** (with the graphic service) **> Graphic Device Service**). Select the *Device Settings* tab.

Specify the Device Name. The device name is the value we specified in SYSTEM/MOS-MAP and/or SYSTEM/MAP. In this example 'pilotdev'. In Avid Service Configuration the selected graphics device service is also post-fixed with the device name (in this example *Avid Graphic Device Service 01 - pilotdev*).

Specify the number of channels. This number is the number of *program channels*.

Click **Apply**. The service/plug-in restarts for the changes to take effect.

⊗ Avid Service Configuration	X X
Eile Action View Help	
File Action View Help	Apply Apply To Reset Apply Succeeded lug-in Chooser Device Settings Vizrt Plug-in Settings The service will be restarted within 15 seconds of applying changes. Device name: pilotdev Channel count: 1

Specifying the Media Sequencer and the Profile

- Open the plug-in configuration again (Open Avid Service Configuration > MACHINE NAME (with the graphic service) > Graphic Device Service.).
- 2. Select the Vizrt Plug-in Settings > Connection Settings tab.
- 3. Specify the URL to the Media Sequencer service document from the Media Sequencer REST interface. This URL is http://HOSTNAME:port/ where the port is 8580 (unless the Media Sequencer has been set up using a port other than the default).
- 4. Click Look up.
- 5. Select the profile from the Profile drop-down.
- 6. Map the channel indices to the correct channel name. The indexing begins on 0. In this example, we specified 1 and only one channel will be available, the channel with index 0. Select X for this channel.

7. Click Apply.

ile Action View Help		
Processes	Apply Apply To Reset	
AvidWorkgroup	Plug-in Chooser Device Settings Vizrt Plug-in Settings	
🔻 😓 bgo176w3	Connection settings Ontions Trip show template preload	
Avid Graphic Device Service 01 - pilotdev	Connection settings Options into show template pretoau	
Avid Machine Monitor Service		
Avid Time Synchronization Service	Media Sequencer Connection	
Avid Video Emulator Device Service	r REST interface uri	
🕨 💐 bgonbo	http://bgo-cflw:8580/	Look up
Scommand3server	Valid Media Sequencer REST interface URL	
	Profile	
	http://han.cflw/9590/brofiles/mse1	
	Inthin Bo-environmentae i	
	Channel mappings:	
	Index Channel	
		9
	Add Delete	
	Preview Server connection	
	Use Preview Server to load thumbnails	
	r REST interface un	
	http://command3server:54000/	Look up
	Valid Preview Server REST interface URL	
	Pilot Data Server Connection	
	Use Viz Trio templates only	
	REST interface un	
	http://bgomsevcpdb.8177/service	Look up
	Invalid URL	
	Preload Pilot external id feed	
	Use template name as identifer for Viz Pilot cg elements	

A Note: The number of channels in the *Channel mappings* list must equal the *Channel count* number specified on the *Device Settings* tab.

2.4.5 Configuration of Avid MediaCentral[®] | Command workstation

Avid MediaCentral[®] |Command must be set up with correct settings.

Configuring Playout Channel

Select **Tools > System Settings > Channel > Indices**. Add one or more playout channels to this list. In the illustration below, the playout channel X has the index *5*.

System Settings					? <mark>x</mark>
CATEGORY	Channel indices:	INDEX	NAME		
- Groups		1	т		
Device Channels MOS		2	P		
Playlist ⊕ Playout		3	MOBChannel		
Inventory GPI		4	F		=
Tally Privileges		5	x		
System Aliases		6	VideoEmulatorCh		
		7	AUTO		
		8			
		9			
		10			
		11			
	Channel name:	x			-
Import Export				Apply OK	Cancel

Click Apply.

Configuring Device Channel

Open Avid MediaCentral[®] | Command. Select **Tools > System Settings > Channel > Device Channels**.

Click the **Add** button and add the playout channel to the device name. Remember that the device name is the name of the Graphic Device Service (in our example, the device name is *pilotdev*). Enter the device name (you can write into the drop-down component). The channel we want to add is *X*. Use *Other Graphics* as Device type.

Click OK. Click Apply.

If you want to add more channels to the device name, the channel index must be incremented.

🔀 Add Device Channel				
Channel name:	x			
Device name:	pilotdev			
Device type:	Other Graphics 💌			
Channel index:	0			
Note:				
	OK Cancel			

The illustration below shows the playout channel X added to device *pilotdev* on index 0.

System Settings				? <mark>×</mark>
CATEGORY Channel Groups Indices Device Channels Channel Groups Advanced Playlist Playout Inventory GPI Tally Privileges System Aliases	CHANNEL □ □ □ □ □ □ □ · videodeviceemu	X	NOTE	Add Delete
Import Export			Apply	OK Cancel

Configuring Channel Group

Open Avid MediaCentral[®] Command. Select **System Settings > Channel > Groups**, and click the **Add** button. Provide a name for the channel group.

Name:	pilotdev			_
Notes:				
Channels:	NAME	ТҮРЕ	RIPPLE GROUP	Up
				Down
				Add
				Delete
Channel	detail			
Ch	annel type:	Standard		-
Pri	mary:			-
Mir	ror:			-
Pre	eview:			-
Rip	ple group:			
Autocue				
Disab	le autocue fo	r channel group		
GPO				
Play:	Tiect	▼ Fiect delay (ms)		
ridy.	- Ljeen	Licer delay (maj		

Click the **Add** button for adding a playout channel to the channel group. In the illustration below the channel X (on device *pilotdev*- using index 0) is selected.

Create	e New Channe	el Group		?
Name:	pilotdev			
Notes:				
Channels	s: NAME	ТҮРЕ	RIPPLE GROUP	Up
	ι χ	Standard		Down
				Add
				Delete
Chann	el detail			
	Channel type:	Standard		
	Primary:	X : pilotdev(0)		
	Mirror:	None		
	Preview:	None	Ŧ	
	Ripple group:			
Autocu	Je			
Dis	sable autocue fi	or channel group		
- CPO -				
Play	Fiect	Fiect delay (ms):	0	
ridy.	Ljeet.	Lject delay (ilis).	0	
			OK	Cancel

Click **OK**. Then click the **Apply** button in the System Settings window. The illustration below shows that the group *pilotdev* is added and has one channel named *X*.

System Settings	-				? ×
CATEGORY	NAME	CHANNELS	NOTE		Add
🕀 Channel	WideoGro	VideoEmuChan	NOL		
- Groups	pilotdev	X			Edit
- Indices Device Chappels					
- Playlist					Delete
Playout					
- Inventory					
Tally					
- Privileges					
System Aliases					
Import Export				Apply OK	Cancel

See Also

- Viz Pilot User Guide
- Viz Trio User Guide

2.5 Output Configuration

To play out Vizrt graphics you need one or several Viz Engines depending on your use case.

This section describes how to configure the output channel(s) in order to play out graphics from the Avid MediaCentral[®] | Command workstation.

This section contains information on the following topics:

- To Create an iNEWS Playlist Containing Vizrt Graphics
- To Configure an Output Channel
- To Configure Multiple Output Channels

M INEWS		
File Edit View Go To Story Format Tools Communicate Window	w Project Help	
Viz Pilot	[INEWS4X]SHOW.CFL.RUNDOWN.Story number 1	X
Templates Media	Directory Project	PAGE TAL SLUG CAM SHOT FORMAT GRAPHICS CH VID-ID STAT
breaking news Concept: Testing Avid Cor Variant: Default Banner-bst BREAKING NEWS		01 Story number 1 Vi VideoD
· · · · · · ·	0 ℃ 05001RAInAGURE2014 0 ℃ 18C2014	
Ready		Standard CAP NUM /

2.5.1 To Create an iNEWS Playlist Containing Vizrt Graphics

1. Create and configure a new playlist in iNEWS.

- 2. Add your stories to the new playlist.
- 3. Open a story for editing.
- 4. Start Viz Pilot Newsroom Component (Tools > Plugins > VCPTemplateFiller Control).

Note: VCPTemplateFiller Control is called Viz Pilot.

· This starts Viz Pilot.

VCP	FemplateFiller Control	×
Те	mplates Media	
	🛅 Breaking IN template	Concept: AvidCommandPl 🔻 🖬 🔤 重 🗲
		Variant: Default 🗸
E	anner-txt This is breaking news	
		P

- 5. Open a template, make the necessary changes and save it as a new data element.
- 6. Drag and drop the element into your story. Data elements can be added from the Template editor and data element list.
- 7. Monitor and load the playlist to see it in Avid MediaCentral[®] | Command.

2.5.2 To Configure an Output Channel

- 1. Start the Media Sequencer you have configured for Avid MediaCentral® | Command.
- 2. Start the Viz Engine(s) you will use as your output channel(s).
- 3. Start Viz Pilot (or Viz Director from Viz Pilot 6.1 and onwards).
- 4. From Viz Pilot's Tools menu, select Profile Configuration... (CTRL + M).

Profile Configuration								x
Profiles	Device Channels						Viz Engines	
msel	Name	Vi: Program	z Preview	Video Program Prev	view	Allocated	nseteam localhost	Â
	x						bgoqaviz1	-
	▶ 📃 bgo176w3						gomsevizengz	.
	P		×				Add Viz	
	▶ 💻 mseteam	m				Þ	Video Devices	
New Profile	New Channel						Add Video	
							Close	

- 5. Add a new profile.
- 6. Add a new channel (for example *X*).
- 7. Add the Viz Engine you will use as your output channel.
- 8. Drag the newly added Viz Engine onto the newly created channel.
- 9. Start the Avid Service Configuration tool installed on the Media Sequencer machine.
- 10. Select the graphic device and under the **Vizrt Plug-in Settings**, click the **Look up** button.

ledia Sequencer Connection	
REST interface url	
http://bgo-cflw:8580/	Look up
Valid Media Sequencer REST interface URL	
Deséla	
http://bgo-cflw:8580/profiles/mse1	

11. Select the profile you just created, and click **Apply**.

2.5.3 To Configure Multiple Output Channels

A Note: This procedure only applies to Auto Channel configurations.

- 1. Start Viz Template Wizard.
- 2. From the Tools menu, select Categories and Channels.
- 3. In the Categories and Channels dialog box do the following:
 - Define the categories (for example FullScreen and Thirds).
 - Define the channels (for example X and P).

Concepts - ALL	Concept templates	Template variants
News	13	Default
✓ News □ Sports	✓ Banner ✓ Chart ✓ FullScreenChart ✓ Headline ✓ 3 ✓ 2TierThirds	✓ Default
New Edit Delete	New Edit Delete	New Edit Delete
Edit variant		
Description of variant:	Id: Ext ID: Description	
Default	1	List <u>S</u> ave
Active 🔣	Category: Thirds	Cancel
Scene folder:	_	
SCENE*03_USERS/Vizrt-BGO/Jon_Fracza		
Scene name:		
<u>I</u> 3	Re-import	
Stop points (Default):	5	
Custom id (Optional):]	

• Define the custom channels by assigning a channel to the newly created categories.

- 4. From the Tools menu, select **Template Manager** (requires a running Viz Engine).
- 5. Select and edit a template variant and set a category for it.
- 6. Click Save.
- 7. Start Viz Pilot.
- 8. Repeat the procedure above (To Configure an Output Channel); however, this time add two channels with the channel names defined in Viz Template Wizard (for example *X* and *P*).

See Also

- Avid MediaCentral[®] | Command Channel Switching and Playout
- Viz Pilot User Guide
- The Template Wizard section in the Viz Pilot User Guide

2.6 Configuration For Https

The Vizrt iNews Command plugin and other Vizrt components can communicate using Hypertext Transfer Protocol Secure (HTTPS). Vizrt iNews Command Plugin communicates with Viz Pilot's Data Server (PDS), Media Sequencer, and Preview Server.

(i) The Transport Layer Security (TLS) version supported is v1.2.

This section consists of:

- Setting up HTTPS communication towards Pilot Data Server running behind caddy 2 server
 To register the certificate with the java environment:
- Configure the PDS URL for use by Media Sequencer
- Notice for the Pilot Data Server install

2.6.1 Setting up HTTPS communication towards Pilot Data Server running behind caddy 2 server

This is an example of Pilot Data Server that runs behind a Proxy (Caddy 2 server). This setup is relevant as the Pilot Data Server might be running behind a caddy 2 server as part of a Viz Story setup.

Note: HTTPS setup without Caddy 2 is also possible.

A sample caddy configuration file is shown below:

```
{
http_port 80
https_port 443
}
(mytls) {
tls C:/certificates/pdshost.pem C:/certificates/key.pdshost.unencrypted.pem {
    protocols tls1.2
    ciphers TLS_RSA_WITH_AES_256_CBC_SHA TLS_RSA_WITH_AES_128_GCM_SHA256
TLS_RSA_WITH_AES_256_GCM_SHA384 TLS_AES_128_GCM_SHA256 TLS_AES_256_GCM_SHA384
TLS_CHACHA20_POLY1305_SHA256 TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA
TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA_TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA_TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256
TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256
TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256
TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256
}
}
https://pdshost {
    ## Configure logging
    log {
        output file "C:/ProgramData/Vizrt/requests-Caddy2.log" {
            roll_keep_for 90d # Keep rotated files for 90 days
            roll size 50Mib # Rotate after 50 MB
            roll_keep 20 # Keep at most 20 log files
        }
    }
    import mytls
    # Backend services
    handle /.proxy {
        reverse_proxy localhost:82 {
        }
    }
    handle /pds/* {
```

```
reverse_proxy localhost:8177 {
    }
}
handle /preview/* {
    reverse_proxy localhost:21098 {
    }
}
## Mist ##
handle /* {
    header Vary Origin
    reverse_proxy localhost:82
}
```

(i) In this example, the Pilot Data Server and the caddy 2 server runs on machine 'pdshost'. The Pilot Data Server service document is available on: https://pdshost:443/pds/.

The certificate that the caddy server will present to its clients is set in the configuration file for the caddy server. This certificate must be recognized by both:

- The java environment in which the plugin is running.
- The java environment in which the plugin's configuration panel is running.
 - Note: The Avid installer for Media Central installs both of these Java environments. The certificate must be registered with the java environment's trust store, known as 'cacerts.'

For a default install, the java environment for the configuration panel is found here: C:\Program Files (x86)\Avid\Service Framework\jre\ and the lava environment for the plugin is found here: C:\Program Files (x86)\Avid\iNEWS

and the Java environment for the plugin is found here: C:\Program Files (x86)\Avid\iNEWS Command\jre\.

To register the certificate with the java environment:

- 1. **Open** a Command prompt with admin rights (right-click > run as administrator)
- 2. Use the java tool 'keytool.exe' to import the certificate. This tool is found in the bin folder of java: Example import:

```
C:\Program Files (x86)\Avid\Service Framework\jre\bin>keytool.exe -import
-trustcacerts -alias TRUST_PDS_MACHINE -file C:\certificates\pdshost.pem
-keystore ..\lib\security\cacerts
```

And the same procedure for the second java installation:



2.6.2 **Configure the PDS URL for use by Media Sequencer**

To configure the PDS URL for Media Sequencer either :

- $\cdot~$ Viz Pilot's Director with the Media Sequencer configuration app "VdomConfig", or
- · Only with VdomConfig.

Here is an example using Director and VdomConfig:

- 1. **Open** Director and go to **Tools > Media Sequencer Configuration**.
- 2. Select the Database tab then Pilot Data Server
- 3. Fill in the Host and the Port of the PDS server
- 4. Click Apply

🤣 Media Sequencer Con	figuration				_		×
Database	Viz One	MOS	GPI	VDCP			
O Pilot Data Server							
Host : p	dshost	c					
Port : 4		C					
Oracle							
Connection String :							
Schema :							
Immediately remov	e deleted elements	Apply					
						<u>C</u> lose	

- 5. Open a browser and go to http://'MS_HOST':8580/app/vdomconfig/vdomconfig.html
 - Note: The MS_HOST is the host where Media Sequencer is running. If the Media Sequencer is e.g accessible on a different port or via HTTPS, make the necessary changes to this URL.
- 6. On the left side of the VdomConfig window click on **Scheduler > vcp_service** which will show an XML configuration on the right side
- 7. Correct the URL in the <service_document> tag to use HTTPS instead of HTTP and add the postfix if a base URL is used for PDS
- 8. Click Apply

S VdomConfig ×	+			\sim	-		×
\leftarrow \rightarrow C (1) localhost:8580/a	app/vdomcon	ïg/vdomconfig.html	Đ,	Ê	$\dot{\Delta}$:
Server Host : localhost	С	onnect			Con	nected	~
Goto : /scheduler/vcp_service	~	Editor Attributes Events					
Name	-	💋 Load Xml 🔚 Apply 🍣 Reload 📰 Format 📋 Wrap ಿ AutoReload	Editor pat	n: /scł	neduler	/vcp_ser	vice
 stomp_server active_licenses stacktrace_server_port stacktrace_server_port viz_background_b viz_background_q viz_background_q	•	<pre>1 * khandler type="vcp_service" name="vcp_service"> 2</pre>					
🔄 🔟 .	Peinitielize						Ŧ
Udd XIVIL E Save XML	Reinitialize	< III					- Þ.

Keep note of the following:

- The machine the Media Sequencer is running on needs to trust the certificate provided by the caddy 2 server. Example of installation on a Windows machine:
 - a. Double click the **.crt** file of the certificate.
 - b. Click on "Install certificate".
 - c. Follow the instructions. If the certificate has not been correctly installed, the vcp_service handler might show an error like this:

status="error: Could not reach service document: 'https://pdshost:443/
pds/': SSL peer certificate or SSH remote key was not OK

 If the Media Sequencer running has a version number lower than 5.5.0, certificate validation needs to be turned off. Do this by adding the following XML entry to the XML configuration of the vcp_service handler, as a direct child of the <handler> entry:

<insecure_https>yes</insecure_https>

2.6.3 Notice for the Pilot Data Server install

In the above example, the Pilot Data Server was installed with support for the Base URL: https://pdshost/pds

See the Pilot Data Server Administrator Guide for more information.

3 Getting Started

3.1 Plug-In Usage

After having installed and configured the Vizrt iNEWS Command Plug-in (see Installation and Configuration), the plug-in is ready to be used.

The playlist can either be created in iNEWS by dragging elements from Viz Pilot (see MOS Syntax), or by entering elements directly with the **cg* method (see Star CG Syntax). When you start the monitor on the playlist, it becomes visible in Avid MediaCentral® | Command.

When the user locks the channel group, the plug-in, if configured, sends an initialize command to the Media Sequencer.

On cue of an element, the read operation is sent to the Media Sequencer. This causes a preview to be made of that element on the preview channel that has been configured (if any).

On play of an element, the take operation is sent to the server. This causes the element to be played on the program channel.

See Also

Troubleshooting

4 Features

This section contains information on the following topics:

- Star CG Syntax
- MOS Syntax
- Thumbnails
- Avid MediaCentral[®] | Command Channel Switching and Playout
- Stop-point Count-down
- · Timed Playout
- Initialize on Viz Engine
- Preview

4.1 Star CG Syntax

In this version of the Vizrt iNEWS Command Plug-in, elements are either added as **cg* elements, or they are added from Viz Pilot (explained in MOS Syntax). This section describes how to use **cg* syntax in the Vizrt iNEWS Command Plug-in. The **cg* syntax makes it possible to map a **cg* code to an Viz Pilot external template ID or a Viz Trio show template.

This section contains information on the following topics:

- Configuration
- Inventory
- Providing an External ID for a Template
- Add Star CG Element to Story in iNEWS
- Star CG and Combo Templates
- Edit CG Element Data Using Avid MediaCentral® | Command
- Known Limitations for CG Elements

4.1.1 Configuration

Setup in iNEWS

Each RUNDOWN in iNews can be configured to support set of templates for *star cg syntax*. The configuration for this in iNEWS SYSTEM/MAP is explained in Configuration.

The additional setting for style check is explained in Style Check and Preload.

Plug-in Configuration

If any of the rundowns are set to use the external ID templates, then the *Enable VCP external ID templates* check box must be enabled, and you must set the URL for the REST service document of the Viz Pilot Data Server. For example:

O Avid Service Configuration	
File Action View Help	
Hosts Processes	Apply Apply To Reset
AvidWorkgroup	Diversite Observers Device Outliness Differ Diversite Cottingen
🔻 🕏 bgo176w3	Plog-in chooser Device Searings Vizi Plog-in Searings
- 🥹 Avid Graphic Device Service 01 - pilotdev	Connection settings Options Trio show template preload
- 3 Avid Machine Monitor Service	
Avid Service Starter Service Avid Time Surchronization Service	Media Sequencer Connection
And Time Synchronization Service	REST interface un
🕨 冕 bgonbo	http://bgo-cflw:8580/
► 🕏 command3server	Valid Media Sequencer REST interface URL
	Profile
	http://bgo-cflw:8580/profiles/mse1
	Channel mappings:
	Add Delete
	Develop Conversion
	Preview Server connection
	Vise Preview Server to load thumbnails
	REST Interface uni
	Volid Provideur Control DECT Interface LID
	Valid Preview Server REST Internace ORL
	Pilot Data Server Connection
	Use Viz Trio templates only
	REST interface unt
	http://boomsevcadb.9177/service
	Preload Pilot external id feed
	Use template name as identifier for Viz Pilot co elements

A Note: Configuring this setting is not required if only Viz Trio CG elements are used. In which case select the option *Use Viz Trio templates only* and click Apply.

4.1.2 Inventory

You should be able to see templates for CG elements in the inventory in Avid MediaCentral[®] | Command. The templates, if any, appear when starting the plug-in or when a playlist is loaded into Avid MediaCentral[®] | Command (*monitor on* in iNews).

<u>F</u> ile	<u>E</u> dit <u>V</u> iew <u>P</u> laylist <u>S</u> hot	box <u>M</u> edia <u>T</u> ools <u>H</u> elp	
Inventory 🗗 🖉 🖉			
Search: All			
	ID	SLUG	
	/shows/TRIOSHOW:v1300 /shows/TRIOSHOW:v2015 VCP:3313 VCP:3355 VCP:3356 VCP:3357 VCP:3358 VCP:v2 VCP:v22 VCP:v222 VCP:v222 VCP:v333 VCP:v345 VCP:v345 VCP:v444 VCP:v456 VCP:v456 VCP:v5 VCP:v55 VCP:v55 VCP:v555 VCP:v555 VCP:v5656 VCP:v66 VCP:v66	v1300 v2015 TEST 3 VIZRT LOGO This will be the headline Headline and subtext ABC DEFG v2 v222 v333 v345 v444 v456 v5 v55 v555 v5656 v66 v6667	
21 inventory item(s			

X Avid MediaCentral® | Command

For star CG elements based on templates from the Viz Pilot external templates feed, the ID shown in the inventory is the external ID prefixed with VCP:v. The prefix is added because Avid MediaCentral[®] | Command requires the ID to be alphanumeric (it has to contain at least one letter) if the user should be able to add data.

For star CG elements based on templates from a Trio show, the ID shown in inventory is the name of the template prefixed with show path. A v is added in front of the template name if the name is pure numeric, for the same reason as for VCP ext id templates.

Style Check and Preload

Set style check to On or Off for a rundown in iNews SYSTEM/MAP.

The image below shows style check turned off, with *no* as a value (style check is on if no value is provided).

```
; Show: cfl (using monitor number 337)
show.cfl.rundown4 show.cfl - monitor 2359
wnasvr command3server - command-master
video VideoGroup - VideoEmuChannel ;
cg pilotdev - X /shows/moreShows/commandshow no;
```

If the iNews user writes a template name incorrectly (by referring to a template not in inventory) with style check set to on, the graphic element will not load into Avid MediaCentral[®] | Command on *monitor on*. An error appears in iNews, and the Avid MediaCentral[®] | Command user does not see the element.

If the iNews user writes a template name incorrectly with style check set to *Off*, the graphic element still loads into Avid MediaCentral[®] | Command. The element, however, appears with an error in Avid MediaCentral[®] | Command.

Preloading CG templates is required if style check is on:

When Using CG Elements Based on Templates from the Pilot External Feed

Select Vizrt Plug-in Settings tab > Connection Settings tab > Pilot Data Server Connection > Preload Pilot external ID feed and click Apply:

Pilot Data Server Connection	
Use Viz Trio templates only	
REST interface url	
http://bgomsevcpdb:8177/service	Look up
Valid Pilot Data Server REST interface URL	
 Preload Pilot external id feed Use template name as identifer for Viz Pilot cg elements 	

When Using CG Elements Based on Template from a Trio Show, Ensure the Show is Found in the Preload List for Viz Trio Shows

- 1. Open the Vizrt Plug-in Settings tab.
- 2. Click the Trio show template preload tab.

3. Drag and drop the relevant show from the left side tree view to the right side list, as shown here:



4. Click **Apply** after changing settings.

4.1.3 Providing an External ID for a Template

A Viz Pilot template can be given an external ID using Viz Template Manager (open Viz Template Wizard and select **Tools > Manager**). Note that the template must also be given a description. Example:
💽 Template Manager		×
Concepts - ALL	Concept templates	Template variants
AvidCommandTesting	upper	Default
 ✓ AvidCommandTesting ✓ Scenes/Images 	 ✓ breaking ✓ combo1 ✓ controlGeomTemplate ✓ control list ✓ lower ✓ Orange headline and subtext ✓ scoreboard ✓ upper 	Default
New Edit Delete	New Edit Delete	New Edit Delete
Ext ID: Description 222 upperBreaking Category:		<u>S</u> ave <u>C</u> ancel
Stop points (Default):		

After saving the template, it is listed in the external ID atom feed: *http://<pilot data server host>:8177/external_ids*.

The Vizrt iNEWS Command Plug-in reads this feed on load of a playlist that contains **cg* elements with VCP style.

Tip: It is possible to allow for automatic use of title as the template identifier for Viz Pilot CG's. To do so, select the corresponding check box in the Vizrt Plug-in Settings tab. Note that the user must make sure the title is unique for every template, and also that iNews' restrictions for allowed template names are followed.

4.1.4 Add Star CG Element to Story in iNEWS

To add a **cg* element to a story in iNEWS, right-click the story and select *Insert production cue* (or alternatively press **ALT + INSERT**).

Then insert the element on the format (example element has two values):

```
*DEVICENAME ID
value1
value2
```

The example below is using devicename *pilotdev* where ID is *v*<*external ID*>:

[INEWS7X]SHOW.CFL.RUND	<u>own</u>	I.Story	1													×
Directory Project		PAGE	TAL	SLUG	CAM	SHOT	FORMAT	GRAPHICS	СН	VID-ID	STATU	READ	SOT:	TOTA	BACKTIM	С
🖃 🛫 INEWS7X				Story1	Í							0:00	0:00	0:00		0
- 🗇 *HELP																
- 🗇 *UPDATE																
🕀 🗀 ARCHIVE																
🕀 🗀 ASSIGN																
DEAD	<														>	*
FILES																۲
	PAC	SE Ch	ann	TAL SLUG		CAM	SHOT FO	ORMAT GR	APH	IICS R	EAD: S	OT:	TOTAL	BACK	TIME CG /	1
				× Story1				× _			0:00	0:00	0:00			
	MOI	DIFIED):	MOD BY: EDITOR	WRI	TER V	ID-ID		CI	I STAT	US TAP	E # I	IMECO	DE	AIR-DAT	1
SEND	<														>	
THE SHOW	*ni	lotde	v v	525		X										Τ
E C SYSTEM	Thi	s is	a vo	n cg element		11										
🕀 🗀 WIRES				ip og eremente												
<u> </u>			-		-			MON-LOA		1	2	n 🗖 avid				
								MON=LUAI		1	2		CAP	NUM		11

Use **Tools > Monitor** to monitor the playlist.

The playlist looks like this in Avid MediaCentral[®] | Command:

🔀 Avid MediaCentral 🛛 Command								- 🗆	\times
Eile Edit View Playlist Shotbox Media Tools Help									
Inventory (*)×	SHOW.CFL.RUN	DOWN							×
Media Viewer: v2525:This is a vcn co element	0.00.00							0.0	0.00
		 Manda - Fee 						0.0	0.00
	bgo-msecon	bgo-msecon							2
	X 🛛 Z 🎴 AUTO 🖓	VideoEmuChannel 🕰							
			TRIGGER	TITLE	CHANNEL	ID	PAGE	DURATION	START
				Story1					
No.64 The is not any disease.									
Story1 [VCP:v2525] in SHOW.CHL.RUNDOWN				v2525:This is a vcn co element	x	VCP:v2525	READY		
In: 00:00:00 Out: 00:00:00 Duration: 00:00:00		3		vzozo. mis is a vep eg ciemene	^	VCI .V2525	READT		
One line text: This is a vcp cg element		And a second sec							
Playlists (6)×									
PLAYLIST V START									
SHOW.CFL.RUNDOWN									
Alarts									
×	۹(4(
				pilotdev[X] 🔍 pilotde	ev[Z] 🛛 pilotd	ev[AUTO] 🍳 VideoEmuGroup	VideoEmuC	hannel] 🛛 Con	nmand

4.1.5 Star CG and Combo Templates

About Combo Templates

Using Viz Template Wizard the user can create a template that controls several layers (e.g. *banner* and *lower*). This is known as a Combo Template.

There can be several states per layer, which can be selected when creating a data element. However, as the user of iNews does not have the necessary information to make this selection, the command plug-in selects automatically according to the following rules.

State Selection for Combo Templates Using Star CG

Per layer:

- · If the layer has more than one choice that is non-empty, ignore the layer (select empty).
- If the layer has only one choice which is non-empty, select this one.

A Note: Viz Pilot uses the same selection algorithm.

4.1.6 Edit CG Element Data Using Avid MediaCentral® | Command

To Edit CG Element Data

- 1. Double click a graphic in the playlist in Avid MediaCentral[®] | Command.
- 2. The graphic item appears in the Media Editor.
- 3. The graphic's editable data text fields, if applicable, appear.
- 4. Edit the text in the fields.

Here is an example:

\mathbb{X}	Avid N	/lediaC	entral®	Command	I		
<u>F</u> ile	<u>E</u> dit	<u>V</u> iew	<u>P</u> laylist	<u>S</u> hotbox	<u>M</u> edia	<u>T</u> ools	<u>H</u> elp
Med	ia Vie	wer: \	/2525:T	his is a ne	w text	_	Ð×
	00+45	This is a new I	ext	TIPS I			
Story	/1 [VCl	P:v2525	5] in SHO\	N.CFL.RUNE	NWOC		
In:	00:00:	00	Out:	00:00:00	[Duration	00:00:00
One	line te	xt: Thi	s is a new	/ text			

To Enable Editing CG Elements

Editing CG elements in Avid MediaCentral[®] | Command is disabled by default. To enable editing:

- 1. Navigate to **Vizrt Plug-in Settings** > **Options.**
- 2. Select Allow editing of cg elements from Avid MediaCentral[®] | Command in the configuration settings for the Vizrt Avid Command plug-in.
- 3. Click Apply.

Note: Restarting Avid services on the Avid Server is required for changes to this setting to take effect.

4.1.7 Known Limitations for CG Elements

Cannot Insert Data to Star CG Element Created Using Avid MediaCentral $\ensuremath{^{\circ}}\xspace \mid$ Command

In Avid MediaCentral[®] | Command the user can press **ALT + INSERT** (or right-click the playlist and then select **Insert > New item**).

A pop-up window appears where the user can add a **cg* element. Example:

🔀 Insert Placehol	der	? X
Media ID:	VCP:v1006	
Title:	Placeholder	
Channel Group:	pilotmos	•
	ОК	Cancel

Currently it is not supported that the user modifies editable fields for the new data item.

Video or Image in Graphics Element Not Supported

If Viz One is configured for Viz Pilot in iNEWS, the user is not able to add such elements to the rundown using cg syntax.

Default Template Values Not Supported for Star CG Elements

If the user provides no data for a cg syntax element (where the template has data fields), then the fields are empty.

4.2 MOS Syntax

Elements are either added as Star CG Syntax elements, or they are added from Viz Pilot (explained in this section).



This workflow type is called MOS elements because when the user drags an element from Viz Pilot to iNEWS, the data transfer is in form of MOS-XML.

You can test this by dragging an item from Viz Pilot to for example WordPad. It is also possible to drag XML from WordPad to iNEWS.

🔠 🔚 🤊 🥐 🗧 Document (Recovered) - WordPad	
Home View	0
A Cut Calibri • 11 • A A	16 17 10 .
<pre>s++2++1++2++3++4++5++6++7++8++9++10++11++12++13++14++15+ </pre> <pre></pre>	.16. + .17. + .18.

This section contains information on the following topics:

- Configuration
- Example Element

4.2.1 Configuration

For the MOS type elements to work, the following configuration must be set up:

Database Settings

For the Vizrt iNEWS Command Plugin, the following settings must be set in the Viz Pilot database:

Viz Pilot Database Settings

Name	Value	Note
ax_use_avid_timing	n	Timing information in the MOS XML will be given in frames.
ax_remove_objSlug n		The slug must be present.
		▲ Note: For the 2.0 version of the Vizrt iNEWS Command Plugin, this value had to be set to <i>y</i> .

The Viz Pilot settings can be accessed from http://PILOTDATASERVER:8177/settings or in Viz Pilot (Options > Preferences > Advanced).

Viz Pilot Registry Settings

The *insertBCSTag* must be set to 0 (see illustration below).

The UseVCPDM setting must also be set to 0.

💣 Registry Editor				6	-	-	×
File Edit View Favorites Help				9			
Y	 Name 	Type	Data				
V [vizrt]	(Default)	REG SZ	(value not set)				
> ActiveX 0.0	BCSDeviceName	REG SZ	cq				
> ActiveX 6.0	BCSTemplateNa	REG SZ	pilotdata				
ActiveX 6.1	Minsert BCSTag	REG DWORD	0×00000000 (7)				
- DataBroker	almostD	REG SZ	PILOTCRAPHIC				
TemplateFiller	mostemficitor	REG_SE	WDAvEller WDTemplatefiller				
> ActiveX 7.0	mostemEunor	REG_SZ	vcrywriter.vcr templateriter				
- 3. PilotNle	et Desident Disabled	REG_SZ	0-0000000 /0				
Preview Engine	PreviewDisabled	REG_DWORD	080000000 (0)				
Viz Pilot 6.1 Installer	PreviewPlost	REG_SZ					
>	PreviewPort	REG_SZ					
viz[content pilot 5.3	StartBlank	REG_DWORD	0x00000000 (0)				
> . viz[content pilot 6.0	UseVCPDM	REG_DWORD	0x00000000 (0)				
viz[content pilot 6.1							
> - i viz[content pilot 7.0							
> Adobe							
Aladdin Knowledge Systems							
Apple Computer, Inc.							
> Apple Inc.							
Classes							
> - L Clients							
> - L Ericsson							
- Evernote							
 Evernote Corp. 							
> - 1 FileZilla 3							
FileZilla Client							
> GNU							
> Google							
> IM Providers							
>							
> A Intel							
> _ JavaSoft							
JreMetrics							
KasperskyLab							
> A Khronos							
> Macromedia							
> A Martin Prikryl							
2 A Microsoft	*						
Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Wow643	2Node\Jvizrt]\ActiveX 6	1\TemplateFiller					

4.2.2 Example Element

The following illustration shows a screen shot of iNEWS when the two elements named *stop_points_blue_ball* and *stop_points_vizrt_logo* are added to a story.

2 NEWS		and the second se		
File Edit View Go To Story	Format Tools Communicate Wind	low Project Help		
	Ē			
s nob	R A			
13:51:18				
TINEWS3(SHOW AD. CFL RUNDOWN	Estory 5			×
Directory Project	PAGE TAL SLUG	FORMAT GRAPHICS VID-ID	CH STATU READ SOT: TOTA BACKTIME CG APPROVE AR-DATE	
ADDER	story 5	VideoDe	3erVid 000 000 000 000 0K avitar	
ASSIGN				
B COPLE				
© CT PHONES	PAGE TAL SLUG	MOSTITLE	CAM SHOT FORMAT GRAPHICS READ SOT: TOTAL BACKTIME: CG APPROVE	
O CO SHOW	story 5		0:00 0:00 OK avstar	
- MOSOWE	MODIFIED: MOD BY	EDITOR WRITER VID-ID CH	CH STATUS TAPE / TIMECODE AIR-DATE	
-01/02-02	, 06.02.2013 13.50.24 avstar	VideoDevic V	VideoE Video	
B CO BCI	Polotece store points hims hall	<u> </u>		
0 Co SVN	promote supporte _ out_out			
O CTL	"pilotmos stop_points_vizit_logo	·		
C COMPOSITE				
PLOTHOS				
0 CT MHO				
(i) 🗀 ASL				
III COMMON				
0 C H50				
0 Ca QA				
I CONT				
i 🙃 mai 🛛 🕹	×1			
TemplateFiler Control				×
Templates	AvidCommand test	Data elements	94406.12.2011	न हो छ। हो को
Concepts		Data element name	Creation date Section date	
	14	stop_points_viat_logo	2.6/2833.5/0 PM	
		8 stops v80	1/09/0033146 PM 1/09/0031166 AM	
lower breaking TEMPLATE 4.5.	TEMPLATE 4.5. templatel Stops	v688	1/28/2013 11.56 AM	
		v688	L/28/2013 12:64 AM	
12		468	1.28/2013 11:56 AM	
Charles -		v688	1/28/0031166 AM	
unfinished_grapwrong_template.		Las	1/18/2011/06/AM	
templatettitops				
Ready				OP NUM

4.3 Thumbnails

The Vizrt iNEWS Command Plug-in can be used together with the Preview Server to provide thumbnails for both **cg* and MOS type elements (dragged to the iNEWS rundown from Viz Pilot).

This section contains information on the following topics:

- Installation and Configuration of the Preview Server
- Setting up Avid MediaCentral[®] | Command for Thumbnails
- Enable Thumbnails, Plug-in Configuration
- Thumbnail Status
- Status for CG Elements
- Troubleshooting

4.3.1 Installation and Configuration of the Preview Server

- 1. Install the Preview Server.
- Open the Preview Server homepage/configuration page: Start > Vizrt > Preview Server Config. On the configuration page you can specify the host and port of the Viz Engine for which the Preview Server should connect to (see the illustration below).

Preview Server X +					- 🗆 X
\leftrightarrow \rightarrow C (i) localhost:21098					@ ☆ 8 :
Nreview Server	Home Frame API				4.4.0.2674
VIZ ENGINE NAME OR IF	PADDRESS			Add New	
NAME OR IP ADDRESS	VIDEO MODE ASPECT	VERSION	GRAPHIC HUB	STATUS	
bgo-cflw2:50012	1080i 50 1.778	v3.14.4.97861	bgo-cflw3	Responsive	
bgo-cflw3:50010	720p 50 1.778	v4.2.0.155	bgo-cflw3	Responsive	
Preview Server Copyright 2012–2020 + Viz	rt AG • All rights reserved				(vizit)

- Note: Use Google Chrome or Firefox to view this page. Using Internet Explorer is not recommended.
- 3. Configure the Viz Pilot settings to use the installed preview server:
 - Open Start > Vizrt > Pilot Data Server Web Interface
 - · Click **Settings** in the top menu.
 - For the *preview_server_uri* setting, provide the URL to the preview server, for example http://HOSTNAME:54000/ (see illustration below).



4. After applying this URL, restart Media Sequencer and then restart the Vizrt Avid iNEWS Command Plug-in.

4.3.2 Setting up Avid MediaCentral[®] | Command for Thumbnails

To be able to view thumbnails, you must select the *Show thumbnails* check box in **Tools > Options** > **Playlist and Shotbox Viewers > Playlist Viewer** as seen in the illustration below:



You must also select this option it in the **Playlist Viewer > Columns** settings as seen in the illustration below:

ATEGORY	Columns					
- Appearance	COLUMN	SHOW	HEADER	STORY FIELD	BACKGROUND	
- Cursor	Thumbnail	×	HUMENAIL	Page number	Status	
Behavior	Graphic Page	*	PAGE		Cursor	
- Inventory Versioning	Trigger	×			Cursor	
- Clobs	Status	×			Status	
Toobars	Slug	×	TITLE	Story slug	Status	
- Actions	Channel	-	CHANNEL		Status	
List	Diration		DI IRATION		Status	
	10	-	10		Current	
- Channel		<u> </u>			Cursor	
- Appearance	Format		FORMAT		Cursor	
- Playlist Explorer	Start time	×	START		Cursor	
- Inventory	Channel Group		CHANNEL GROUP		Cursor	
- Status Bar	GPI Out		GPI OUT		Cursor	
– Meda Viewer – Clock						

It is possible to rename the column in these settings too. Now you should be able to view the thumbnails in the column. If they do not appear for some reason, try to resize the column by expanding the header.

🔛 Avid M	lediaCentral® Co	ommand		
File Edit	View Playlist S	hotbox Media	Tools	Help
Media Vie	× Playlist Explore	er Ctrl+Shift+E		
	× Inventory	Ctrl+Shift+I		
	Shotbox			
	× Clock			
	Playout			
	🛎 Media Viewer	Ctrl+Shift+M		
	× Alerts	Ctrl+Shift+A		
10:03	Breaking Reve	and the second se		
Story1 [VCP	v2525] in SHOW.0	CFL.RUNDOWN		
In: 00:00:	00	Out: 00:00:00		Duration: 00:00:00
One line tex	kt: Breaking News			

You can also view the thumbnails in the Media Viewer frame:

4.3.3 Enable Thumbnails, Plug-in Configuration

For the Vizrt iNEWS Command Plug-in to fetch thumbnails from the Preview Server, the following steps must be performed:

- 1. Open the Avid Service Configuration.
- 2. Select the graphic service.
- 3. Select the Vizrt Plug-in > Connection Settings tab.

4. Select the Use Preview Server to load the thumbnails check box, and enter the URL of the Preview Server atom service document in the text box, see illustration below:

le ártion View Heln	
In Grant Tien Telb	
Hosts Processes	Apply Apply To Reset
AvidWorkgroup	Plug-in Chooser Device Settings Vizit Plug-in Settings
Big0176W3 Bigli Granble Device Service 01 , milotdev	Connection settings Options Trio show template preload
Avid Machine Monitor Service	
- @ Avid Service Starter Service	- Media Sequencer Connection
- 🤤 Avid Time Synchronization Service	
- ③ Avid Video Emulator Device Service	REST Interface uni
S bgonbo	http://bgo-cfw.8580/ Look.up
- S communicipation	Valid Media Sequencer REST Interface URL
	r Profile
	http://bgo-cftw.8580/profiles/mse1
	Channel mappings:
	A Index Channel
	Add Delete
	Bradew Denne concertion
	· Preview Server connection
	Use Preview Server to load thumbnails
	REST Interface unt
	Intputpreviewserver:54000/
	Valid Preview Server REST Interface URL
	Pilot Data Server Connection
	Use Viz Trio templates only
	REST interface un
	http://bgomsevcpdb.8177/senice
	Valid Pilot Data Server REST interface URL
	Preload Pilot external id feed
	Use template name as identifier for Viz Pilot og elements

A Note: Click Look up to verify that the preview server URL can be accessed. Then click Apply.

4.3.4 Thumbnail Status

The graphic's status is shown at the right side of the thumbnail for MOS-type elements.

• A red bar appears on the right side of the thumbnail of the graphic if any monitored resource (a staged image by Graphic Hub ImEx Agent, for example) of the graphics item is

unavailable for playout.



• An orange warning bar appears on the right side of the thumbnail of the graphic if the graphics monitored resources are available but not fully loaded in the memory of the Viz Engine.



• A green OK bar appears if the graphics and their resources are available to the Viz Engine.



4.3.5 Status for CG Elements

Thumbnail status is not yet supported for CG elements. However, a workaround is available. It is possible to select to show a textual status in the *page* column.

The following statuses are shown:

- If any monitored resources (for example a staged image by Graphic Hub ImEx Agent) of the graphics item is unavailable for playout, the page text of the graphic is *NOT READY*.
- If the graphics monitored resources are available, but not fully loaded in the memory of the Viz Engine, the page column is shown as *AVAILABLE*.
- If the graphics and its resources are available and fully loaded, *READY* is shown.

To Enable Showing a Textual Status in the Page Column

- 1. Open Vizrt Plug-in Settings tab > Options tab.
- 2. Select Show status for cg elements in the page column.
- 3. Click **Apply.**



For the page column to show, it must be selected in Avid MediaCentral[®] | Command in **Tools > Options**, as shown here:

Playlist and Shotbox Viewers Appearance Summary Cleark	COLUMN					
- Curren and Cleak	COLOIVIN	SHOW	HEADER	STORY FIELD	BACKGROUND	9
Cursor and Clock	Thumbnail	×		Page number	Cursor	
	Graphic Page	×	Page		Cursor	1
- Inventory Versioning	Trigger	x	Stop points		Cursor	-
- Clocks	Status	×			Status	
Toolbars	Slug	×	TITLE	Story slug	Status	
⊡- Shotbox Viewer	Channel	×	CHANNEL		Status	
- Actions	Duration	×	DURATION		Status	
- Startup	ID	×	ID		Cursor	
Playlist Explorer Inventory	Format	×	FORMAT		Cursor	
- Keyboard	Start time	×	START		Cursor	
- Status Bar	Channel Group	×	CHANNEL GROUP		Cursor	
- Clock	GPI Out		GPI OUT		Cursor	
Playout	Time of Day		TIME OF DAY		Cursor	

4.3.6 Troubleshooting

If you want to clear old thumbnails, you can clear the cache with the following steps on the server:

- 1. Close the playlist in Avid MediaCentral[®] | Command Workstation.
- 2. Stop the Inventory Manager with Avid Workgroup Properties (see the following illustration).

		Description & Avid Workgrou	p Properties 🛛 🗹 🛛 🖾 🖌 🖸 🗠 🗠 🖉	00:00):00:00		
wid	l Se	rvices				ĺ	
J	Ļ	Name Avid Graphic Device Service 02	Description		Restart		
0	0	Avid iNEWS Communication Servi	Provides network communications between iNEWS NRCS and iNEWS Com.	. 1	Stop	Ī	
0	0	Avid Interplay Agent Service	Avid Interplay Storage Server Agent		Disable	Ē	
0	•	Avid Inventory Manager	Gathers and disseminates inventory lists, and sets playlist item playability		Disable		
0	0	Avid Lookup Service	Acts as the Lookup mechanism for discovering other services in the workgro.	🗏	Refresh		
0	0	Avid Machine Monitoring Service	The Machine Monitoring Service monitors the health of the host it is running			Ī	
		Avid Maney Panel Device Service	Enables Maney Panel control of an iNEWS Command system				
0	0	Avid MOS Communication Service	Provides a MOS connection between a newsroom system and iNEWS Com				
		Avid Playlist Controller 01	Provides playout control of iNEWS Command playlists				ļ

- 3. Delete the thumbnail cache folder (*<Program Files>\Avid\iNEWS Command\inventorymanager\state\thumbnailcache*).
- 4. Restart the Inventory Manager.
- 5. After the alert shows in Command Workstation that the Inventory Manager is available again, re-open the playlist.

A Note: The Vizrt iNEWS Command Plug-in also has a cache. When restarting the plugin, this cache is cleared.

4.4 Avid MediaCentral[®] | Command Channel Switching And Playout

This section contains information on the following topics:

- Setting up Avid MediaCentral[®] | Command for Channel Switching
- Assign Channel in iNEWS (to MOS Type Element)
- Default Channel for Star CG Elements
- Default Channel for MOS Elements
- Troubleshooting
- Categories and Channels
- Channel Playout Example
- Auto Channel

4.4.1 Setting up Avid MediaCentral[®] | Command for Channel Switching

In Avid MediaCentral[®] | Command, create all necessary channels: **Tools > System Settings > Channel > Groups > Edit > Add**.

In the illustration below, two channels have been added (notice the index numbers, we will get back to them later):

Name:	pilotdev			
Notes:				
Channels:	NAME	TYPE	RIPPLE GROUP	Up
	-X 、	Standard		Down
			ndex 0	Add
	Cn	anner index		Delete
Channel	detail			
d	hannel type:	Standard		¥
Pr	imary:	Z : pilotdev(1)		*
М	irror:	None		-
Pr	eview:	None		•
Ri	pple group:			
Autocue	ble autocue f	or channel group		
GPO				
Play	▼ Eject:	Eject delay (ms	;): 0	
Fidy.				

In the Avid Service Configuration's *Device Settings* panel, set the channel count to the number of channels that you would like to use (see the illustration below):

S Avid Service Configuration		2 2 🔀
File Action View Help		
File Action View Help Image: Service Configuration File Action View Help Image: Service Configuration Processes View Hots Image: Service Configuration Service Not decomposition Service Image: Service Configuration Service Service Service Image: Service Configuration Serv	Apply Apply To Reset Plug-in Chooser Device Settings Vizrt Plug-in Settings The service will be restarted within 15 seconds of applying changes. Device name: pilotdev Device name: pilotdev Channel count: 2 💼	

The index numbers for the channels, which are found in the Avid Service Configuration's Connection settings tab in the Vizrt Plug-in Settings panel, are relevant here:

File Acton Yes Process Process Paylon Apply To Restl Paylon Physics Physics Physics Physics Process Physics Physics Physics Physics Physics Process Physics Physics Physics Physics Physics Physics Process Physics	O Avid Service Configuration	
Write: Projections Projections Projections <	Elle Action View Help	
Plays Choose Service Plays Choose Device	Hosts Processes	Apply Apply To Reset
begränden begränden And Machine Barrie 20 and 20 beirde And Machine Barrie 20 and And Time Sprice Starries 20 And Time Sprice Interface Sprice begrände begrän	▼	Plunuin Chanser Device Settings Vizit Plun-in Settings
And Server Server Consection And Veco Environment Server And Veco Environment Ser	v 🕏 bgo176w3	Connection settings Ontions Trin show template preload
Preload Pilot external id feed Use template name as identifier for Viz Pilot cg elements	 Avid Viorkgroup Avid Staphic Device Service 01 - pilotdev Avid Service Statter Service Avid Time Synchronization Service Avid Video Emulator Device Service byonbo command 3server 	Plugein Chooser Device Settings Virt Plug-in Settings Connection settings Options Trio show template preload Media Sequencer Connection PetST Interface uI Look up Valid Media Sequencer REST Interface URL. Profile Look up Profile None Profile Profile Profile Index Channel Profile O X Profile Profile Add Delate Profile Profile Valid Media Sequencer REST Interface URL Profile Profile Profile Valid Peterew Server to load thumbnails Profile Profile Preview Server Connection Look up Look up Valid Preview Server REST Interface URL Look up Valid Profiles only Look up Valid Plot Data Server REST Interface URL Look up Valid Plot Data Server REST Interface URL Look up

Avid MediaCentral[®] | Command does not have a simple way to let the user map from the external channels fetched from the profile and the list of channels in its system settings. We have solved this by letting the user select which channel should be associated with the index numbers from the drop-down list.

When the channels have been selected from the drop-down list, click the **Apply** button to save.

Remember to provide the channels' playout machines. This is done in the profile configuration in Viz Pilot or Viz Trio.

Profiles	Device Channels				Viz Engines
msel	Name	Viz Program Preview	Video Program Preview	Allocated	I localhost
	X ▶ 💻 bgo176w3				bgoqaviz1 bgomsevizeng2 bgo176w3
	Z B gomsevizeng2			-	Add Viz
	P 🗮 mseteam				Video Devices
New <u>P</u> rofile	New Channel				Add Video
New <u>P</u> rofile	<u>N</u> ew Channel				Add Video

The channel can now be changed in Avid MediaCentral® | Command:

🔀 Avid MediaCentral® Command						- 🗆	×
File Edit View Playlist Shotbox Media Tools H	Help						
Clock BX	SHOW.CFL.RUNDOWN2	SHOW.CFL.	RUNDOWN		×	Inventory	ð×
Media Viewer: test2	0:00:00				0:00:00	bgolto cfldev	
✓	bgo-cflw3	oEm /3			2	VideoEmuG	roup
	X 🛛 Z 🖾 VideoEmuChannel 🕰						
			TITLE	CHANNEL	ID		
Lest2							
			Story 1			Search:	All -
Story 1 [VCP:3311] in SHOW.CFL.RUNDOWN							
In: 0:00:00 Out: 0:00:00 Duration: 0:00:00			TEST1:	х	VCP:3310		
Playlists (7) PLAYLIST A STAF			test2:	x	- VCP:3311	0 inver)) ntory item(s)
				X Z		- Devices	
Alerts (FX)					_	- Title Duration	
The Inventory Manager Service is available.) ►

Click the channel-column for an element and select the desired channel from the drop-down list. The element is updated so that multi-channel playout is possible.

4.4.2 Assign Channel in iNEWS (to MOS Type Element)

It is possible to assign a channel for a MOS story item using iNEWS by right-clicking an element and select **Assign channel**).

num	ber	1													×
		П	PAGE	TAL	SLUG	CAM	SHOT	FORMAT	GRAPHICS	СН	VID-ID	STATU	READ	SOT:	TOTA
	*		01		Story number 1					Vi	VideoD	ONLIN	0:00	0:00	0:00
		P) M(AGE 01 0DIFI	TAI ED: .2013	L SLUG Story number 1 MOD BY: E 5 13: avid	DITO	CAN R WE	I SHOT	FORMAT	.dec	GRAPHI STATUS ONLIN	CS TAPF E	READ: 0:00	SO 0 TIMEC) T: :00 ODE
		1													F
		*1	oilot	dev.	Good morning			αα	Assign Chan	nel	×				
	~	*F	oilot	dev	breaking test	1			Type channel	for p	oduction				
:2									Z		Cancel				
1												_]			

Channel assigning in iNEWS sets the *<itemChannel> mos-tag*.

4.4.3 Default Channel for Star CG Elements

The default channel for a *cg type element is set in iNEWS in the SYSTEM/MAP file. In the example illustration below the default channel is set to X:

```
; Show: cfl (using monitor number 303)
show.cfl.rundown show.cfl - monitor 2359
wnasvr mseteam - command-master
video VideoGroup - VideoEmuChannel ;
cg pilotdev - X VCP no;
;
```

4.4.4 Default Channel for MOS Elements

The default channel for MOS type elements is the channel assigned to index 0 in the Vizrt plug-in settings.

4.4.5 Troubleshooting

If you experience any problems with channel switching, check Avid Diagnostics for errors.

4.4.6 Categories and Channels

Note that setting a default channel using the *Categories and Channels* in Template Manager does not directly apply for the Vizrt iNEWS Command Plug-in.

Reason

The *Categories and Channels* will set the *<channel></channel>* tag in *mosExternalMetaData*, which is not used by the plug-in. The Avid Command SDK interprets the *<itemChannel>* tag. If no *itemChannel* is set, the channel defaults to the channel on index 0.

A Note: To use *Categories and Channels* it is necessary to assign to a channel the name *AUTO*, see Auto Channel.

4.4.7 Channel Playout Example

This section gives an example of multi-channel playout.

In the following example, two channels are configured:

- \cdot Channel X
- \cdot Channel Z

No preview is configured in this example.

🤨 Profile Configuration					×
Profiles	Device Channels				Viz Engines
msel	Name	Viz Program Preview	Video Program Preview	Allocated	seteam sete
	x				bgoqaviz1
	▶ 💻 bgo176w3				bgomsevizeng2
	Z				Add Viz
	🕨 💻 mseteam				
					Video Devices
					He Dyoqavizi
					I I
					I I
New <u>P</u> rofile	New Channel				Add Video
					Close

When loading elements from iNEWS to Avid MediaCentral[®] | Command, MOS type elements are by default assigned to the channel with index mapping 0. CG elements are assigned to the default channel in iNews SYSTEM/MAP. (See Avid MediaCentral[®] | Command Channel Switching and Playout). In this example, all items are assigned to channel *X*.

🔛 Avid MediaCentral® Command								- 🗆	\times
File Edit View Playlist Shotbox Media	Tools Help								
Clock	SHOW.CFL.RUNDOWN						×	Inventory	ē×
Media Viewer: breaking news	0:00:00	Fm				0	:00:00	bgolto cfldev pilotdev	
1							2	VideoEmuG	roup
			TITLE	CHANNEL	ID	DURATION	STAR		
			Story 1						
Story 1 [VCP:3314] in SHOW.CFL.RUNDOWN In: 00:00 Out: 00:00 Duration: 00:00			breaking news:	x	VCP:3314			Search: ID	All -
			another breaking news:	x	VCP:3315				
Playlists PLAYLIST	FOR		Some news:	x	VCP:3316			0 inver NAME Availab)► htory item(s)
Alerts (%) TIME TITLE (%) State (%) TIME (%) State	۹(X Z			(4)	Devices Object Title Duration).
								C	ommand

It is possible to alter the channel for an item (selecting from the drop-down menu in the channel column) both before and after locking the playlist.



4.4.8 Auto Channel

As Categories and Channels for Viz Pilot are not directly supported by the Vizrt iNEWS Command Plug-in, the plug-in does special handling for a channel named *AUTO*. The *AUTO* channel can be used with *Categories and Channels*.

If you configure a channel in Avid MediaCentral[®] | Command to have the name *AUTO*, then the Vizrt iNEWS Command Plug-in does not set any Media Sequencer channel on such an element, and the element is played out on its default channel.

IMPORTANT! It is not possible to use the AUTO channel with Trio CG elements. Another channel must therefore be assigned to Trio CG elements.

Configuring the Vizrt iNEWS Command Plug-in

Add a channel *AUTO* on the configuration page for the Vizrt iNEWS Command Plug-in using the Avid Service Configuration. Remember to set the correct number of channels on the *Channel count* setting on the *Device Settings* tab (see illustrations below).

Profile	
http://bgo176w3:8580/profiles/mse1	
Channel mappings:	
Index Cha	annel
1 <u>Z</u>	9
2 AUTO	9
Add Delete	
© Avid Service Configuration	⊻ X X
Lue Veriou Alem Telb	
Hosts Processes	Apply Apply To Reset
▼ WidWorkgroup	Plug-in Chooser Device Settings Vizrt Plug-in Settings
v Sp0176w2	The service will be restarted within 15 seconds of applying changes.
Avid Graphic Device Service 01 - pilotdev	Device name: pilotdev
- 🤤 Avid Machine Monitor Service	Channel count 3
- 😳 Avid Video Emulator Device Service	
► 💐 bgovda3	
► Same seteam	
- es nocht	

Configuring Avid MediaCentral® | Command

Configure the Avid MediaCentral[®] | Command channel settings to have the *AUTO* channel (see the illustrations below).

System Settings					? 💌
CATEGORY	CHANNEL	NAME	NOTE		Add
Channel Groups Indices Device Channels Channel Groups Advanced Playlist Playout Inventory GPI Tally Privileges System Aliases	⊕ pilot ⊖ pilotdev ⊢ 0 ⊢ 1 ⊕ videodevice	X Z AUTO			Delete
Import Export				Apply OK	Cancel
CATEGORY	Channel indices:				
Channel	Channer marces.	INDEX	NAME		
- Indices		-	A Midea Envictory		
		2	videoEmuChan		
- Channel Groups		5	M		=
- Advanced - Playlist		4	N		
Playout Inventory		5	AUTO		
- GPI - Tally		6	Z		
Frivileges System Aliases		7			
		8			
		9			
		10			
		11			
	Channel name:				-

System Settings					? 💌
CATEGORY	NAME	CHANNELS	NOTE		Add
 Channel Groups Indices Device Channels MOS General Channel Groups Advanced Playlist Playout Inventory GPI Tally Privileges System Aliases 	– pilotdev – Video Group – pilot	X Z AUTO M N AUTO			Edit Delete
Import Export				Apply OK	Cancel

Example Using Categories and Channels

In this example the Categories and Channels has been configured (using Viz Template Wizard > Tools > Categories & Channels) to have a category for the *X* channel and one for the *Z* channel.

Categories and Channels		×
Custom channel Categories	Channels	
Category	C	ustom Channel
Playout on channel X	×	
Playout on channel Z	Z	
		Close

The *List* template is placed into the category that plays out on channel *X* (using Template Manager, see illustration below). The *side right* template has been put into the category that plays out on channel *Z*.

Fut ID: Description	
5 List	Save
Category: Playout on channel X	<u>C</u> ancel
Stop points (Default): 4	
Ext ID: Description	Save
	<u>C</u> ancel
Category: Playout on channel 2	
Stop points (Default):	
Stop points (Default):	
Category: Playout on channel 2	
Category: Playout on channel 2	

Story in iNEWS

- -

A story was created in iNEWS and two elements were added (created from the mentioned templates). Note that both elements were manually assigned the channel *AUTO* in iNEWS. If you want to have the *AUTO* as default, you can configure the AUTO channel on index *0* in the Vizrt iNEWS Command Plug-in configuration.

[INEWS7X]SHOW.CFL.RUNDOWN	. <u>Sto</u>	prv1												
Directory Project		PAC	E TAL	SLUG	CAM	SHOT	FORMAT	GRAPHICS	СН	VID-ID	STATU	READ	SOT:	TOTA
E 🛒 INEWS7X				Story1	Í							0:00	0:00	0:00
HELP														
*UPDATE														
ARCHIVE														
ASSIGN														
DEAD														
- E FILES														
🖶 🧰 IN101	PZ	AGE	hann	TAL SLUG		CAM	SHOT	FORMAT GI	RAPH	HICS F	READ:	SOT:	TOTAL	BACKI
				Story1							0:00	0:00	0:00	
🕀 🛅 PHONES	M	ODIFI	ED:	MOD BY: EDITOR	WRI	TER VI	ID-ID		CI	H STAT	TUS TA	PE #	TIMECO	DE Z
	1	2/1/2	020 1	4: avid					٦٢					
SEND][
H C SHOW	*p	ilot	lev [AUTO] For AUTO cha	nne	1 88	2							
SYSTEM	X													
H WIRES		1.7.4.4												
	ll≁b	1100	iev [AUTOJ THIS WILL go	on									
	AU	10 c	nanne	1 2										

The illustration below shows the playlist loaded in Avid MediaCentral[®] | Command. The first *AUTO* element plays on channel *X*. The second *AUTO* element plays on channel *Z*.

🔛 Avid MediaCentral® Command	d				_		×
File Edit View Playlist Shotbox	Media Tools Help						
Playlists &	SHOW.CFL.RUNDOWN			×	Inventory		ð×
PLAYLIST	0:00:00			0:00:00	bgolto cfldev		
SHOW.CFL.RUNDOWN	bgo-cflw3				VideoEmuGr	oup	
	X O Z O AUTO O VideoEmuChannel O	l.	1				
	l	TITLE	CHANNEL	ID			
		Story1					
					Search:	All	-
	Parameter and Para	For AUTO channel X:	AUTO	VCP:3321	ID		
	,Щ, М	This will go on AUTO channel Z:	AUTO	VCP:3318			
		, · ·			(■) 0 ir	iventory)► item(s)
					NAME		
(u)))					Availab		_
Alerts #×					- Devices		
TIME TITLE					Object		
					Duration		
					5 diddoir		
		nilotdev[X] @ nilotdev[Z] @ n		EmuGroup[VideoE	muChannell 🛛	Comm	and

See Also

To Configure Multiple Output Channels

4.5 Stop-Point Count-Down

Avid MediaCentral[®] | Command supports continue-counting of graphics with stop-points.

This section contains information on the following topics:

- Setting up Avid MediaCentral® | Command for Stop-points
- Troubleshooting
- Count-down Example

4.5.1 Setting up Avid MediaCentral[®] | Command for Stop-points

Avid MediaCentral® | Command displays graphic trigger counts (stop-points) that are set in Viz Pilot.

To display the graphic trigger counts, go to **Tools > Options > Playlist and Shotbox Viewers > Playlist Viewer > Columns**.

Once here you can:

· Click **SHOW** to display the trigger counts column.

Options					? ×
CATEGORY	Columns				
Playlist and Shotbox Vie	COLUMN	sноw	HEADER	STORY FIELD	BACKGROUND
- Appearance	Thumbnail	×		Page number	Cursor
	Graphic P	×	PAGE		Cursor
Behavior	Trigger	×	TRIGGER		Cursor
- Inventory Versioning	Status	×			Status
Clocks	Slug	×	TITLE	Story slug	Status
- Columns	Channel	×	CHANNEL		Status
Toolbars Shotbox Viewer	Duration	×	DURATI		Status
Actions	ID	×	ID		Cursor
🕀 Channel	Format		FORMAT		Cursor
Startup	Start time	×	START		Cursor
Playlist Explorer	Channel G		CHANNE		Cursor
Inventory	GPL Out		GPLOUT		Cursor
Status Bar					-
Media Viewer					
Restore Defaults				Apply	OK Cancel

• Edit the *HEADER* column to change the display name of the column.

The above configuration displays as follows:



4.5.2 Troubleshooting

Enable Avid Diagnostics to check if any errors occur during runtime.

4.5.3 Count-down Example

This section explains how to playout elements with count-down (stop-points).

Manual Playout

In this example, manual playout of an element with continue count is shown (see the illustration below). When locking the graphics channel group, the first element in the playlist is cued (read) on the preview channel if it is set in the profile in Viz Pilot/Viz Trio.



Clicking the play button makes the Vizrt logo appear on the program channel (a play/take operation is issued). The continue count goes to *1*.

Note: In this example, the *autocue* functionality for Avid MediaCentral[®] | Command is enabled.

📓 Avid MediaCentral 🛛 Command							_	
<u> </u>	<u>T</u> ools <u>H</u> elp							
Media Viewer: VIZRT LOGO	SHOW.CFL	.RUNDOWN				×	Inventory	ð×
	0:00:00	D				0:00:00	bgolto cfldev pilotdev	
	bgo-msec	ev SvideoEm				1	pilotdet	v
l (vizit)	X 🛛 Z 🎴 AUT	O 🔯 VideoEmuChannel 😂					Search:	All
			TRIGGER	TITLE	CHANNEL	IC	ID	SLUG
				Story1				
	11	(visit)	1/4	VIZRT LOGO:	x	VCP:3355		
Media Viewer: VIZRT LOGO Clock		×	* * *				0	inventory item(s
Playlists PLAYLIST		(vizit)	0/4	VIZRT LOGO:	x	VCP:3355	NAME	
SHOW.CFL.RUNDOWN							- Availab - Devices	
Alerts TIME TITLE							- Title - Duration	
×				attaction (M. M. anti-taking (M. M.) •	[■())) Commond

The graphic item has more continue points and the item is in *paused* state. For the next three times the user clicks the play button, there is a *continue* command is sent to the program channel for the relevant item.

▲ Note: The user must make sure the animation between the continue points is finished before pressing a new *play*. Otherwise the animation progress and continue-count in Avid MediaCentral[®] | Command gets out of sync.

Clicking the **Play** button for this item the last time initiates two procedures:

- *Continue* is sent to the program channel and the animation will go to its fourth stop point, and
- The next graphic item in the playlist is cued (read) on the preview channel if *autocue* for Avid MediaCentral[®] | Command is enabled.



A Note: Timed Playout does not support trigger count.

See Also

• Read the **Variant** section of **Template Manager** in the Viz Pilot User Guide to learn about setting stop points in Viz Pilot.

4.6 Timed Playout

This section explains the playout of graphics timed relative to a video. For using timed playout, a Database Settings is needed. A video device is also needed. For testing, the video emulation device 'Avid Video Emulation Service' can be installed.

Note that timing relative to a video is possible for MOS elements. There is no support for adding timing information to *cg syntax elements.

This section contains information on the following topics:

- Add Element with Timing Information Using Viz Pilot
- Template Settings
- · Viz Pilot DB Configuration
- Avid Video Emulation Service
- Known Restrictions

4.6.1 Add Element with Timing Information Using Viz Pilot

An element in Viz Pilot can be saved with start time (relative to the start of the video) and duration, see the illustration below.

2 INEWS		
Eile Edit View Go'To Story Format Tools Communicate Window Project Help		
I I I I I I I I I I I I I I I I I I I		U N P CC
18:05:34		
VCPTemplateFiller Control	[TINEWS3]SHOW.RD.CFL.RUNDOWN.A new story	×
Errors	Directory Project PAGE TAL SLUG FORMAT GRAPHICS	VID-ID CH S
Templates Media		VideoDev Vid
lower_breaking_news Concept: test		
Vananci Defaut	ASSIGN	
Bush vetos UN *	e Carlos	
resolution	O PHONES O PHONES	
	i 🔁 show	
	Save X	
		,
	lower_n_8_5_duation_2 Save as new MOSTITLE	CAN *
	Eniched Add to library Qvenwite	
	Graphic Event Timing	ID CH
	In at (mm:ss): 00:05	eoDevic VideoE
	Event Length (mmss): 00:02	
	⊕ SO _out_at_4	
	Pilotnos	
	0 DST lower_in_at_5	

4.6.2 Template Settings

For the timing information to be present for a template in Viz Pilot, the template must have the *information* component (TTWTemplateInfoControl) added to it. In the information component, the setting *ShowGraphicEventTiming* must be set to *stShow*, see the illustration below. Use Viz Template Wizard to add this component to templates you want to have timing information for.

		Error
× • 🗐 🔲 🗅 🚯 💳 🚺 🖉		
E*TransitionLogics/TRANS_SCROLL/EACTY_SCROLL/SSC_TEMA_TEX	mplateInfoContro	ol1: TTWTemplateInfoCc
	Enable script	
	Basic All	
	AllowEditingOfDefaultName	
	Cursor	crDefault
	DefaultDuration	
	DefaultSaveName	
	DefaultChardTime	
	DefaultStartTime	
	Finished	fsIgnore
	Height	32
	HelpContext	0
	HelpKeyword	
	HeleTupe	htContext
	пертуре	Incontext
	Hint	
	Left	395
	Name	TWTemplateInfoControl1
	Prefix	
	SaveNameTextFields	(TTextFieldItems)
	Capacitor	(Treating)
	Separator	
	ShowGraphicEventTiming	stSnow
	ShowSaveDialog	IV.
	Tag	0
	TimingMode	tmManual
	Too	108
	10p	20
	Width	32

4.6.3 Viz Pilot DB Configuration

The setting in the Viz Pilot database *ax_use_avid_timing* is disabled. This means that the timing is given in fields per second in the MOS XML.

Settings								
VCP Parameters Search providers	CP Parameters Search providers							
Save Reset All Filter:								
Name Value	Description							
ax_show_hints	Turn off to disable all tooltips in the ActiveX. Tooltips can make Dalet newsroom system crash.	•						
ax_show_savechanges_dlg	If this setting is enabled, users will be asked if they want to save the currently open data element or template when opening a new one.							
ax_use_avid_timing	Enable for Avid Command specific timing handling (HH:MM:SS:FF)	-						

4.6.4 Avid Video Emulation Service

The Avid Video Emulation Service (or a real video device) is needed if we want to test the timing of graphics (in Avid MediaCentral[®] | Command). The graphic timing is relative to the start of the previous video in the same story. Graphic timing is ignored if there is no video.

4.6.5 Known Restrictions

Timed playout does not support trigger count.

See Also

Database Settings

4.7 Initialize On Viz Engine

Graphics resources can be loaded into a Viz Engine's memory for them to play out smoothly on the Viz Engine. This procedure is named *initialize*. The status of the initialize operation is visualized with color codes on the thumbnail for mos-type elements, see Thumbnail Status for more information.

The following checkbox must be selected in the Vizrt plug-in settings to enable initialize for graphics items in Avid MediaCentral[®] | Command:

To enable the check box:

- 1. Open the Vizrt Plug-in Settings tab.
- 2. Click the **Options** tab.
| Apply Apply To Reset | | | | | | | | |
|--|--|-----------------------|--|--|--|--|--|--|
| Plug-in Chooser Device Settings | Vizrt Plug-in Settings | CII Commands Mappings | | | | | | |
| Connection settings Options 7 | Connection settings Options Trio show template preload | | | | | | | |
| Enable initializing of a playlist or item in a playlist Only mark last played graphic as done (per channel) Allow editing of cg elements from Avid MediaCentral® Command Show status for cg elements in the page column | | | | | | | | |
| Licensing information | | | | | | | | |

3. Select the *Enable initializing of a playlist or item in a playlist* check box.

- 4. Click Apply.
- 5. The elements in the playlist are initialized when the channel group is locked.

In Avid MediaCentral[®] | Command, it is also possible to right click on a graphics element and select **Graphics > Initialize Item / Graphics > Initialize Playlist**.

File Calt View Playlist Shotbox Media Tools Help result viewer: readurite and (#3) Inventory I	e ×
SHOWCFLRUNDOWN SHOW SHOWS CONSCIONATION SHOWS CONSCIONATION SHOWS CONSCIONATION SHOWS CONSCIONATION SHOWS CONSCIONATION SHOWS CONSCIONATION CONSCIUNATION CO	6 ×
C:00:00 C:deav A Xalidadav A XuldeoEm baormecorr A XuldeoEm	_
A Xalidadar A Xali	
	2
TRIGGER TITLE CHANNEL ID	
Story1	
Story I (VCP:3357) in SHOW.CELRUNDOWN	
In: 00:00 Out: 00:00 Duration: 00:00	All -
	OSHOW:v
	JSHOW:v
0/4 № VIZRT LOGO: X VCP:3355 VCP:3355	
readiline and subtext: A VCP-3557 & VCP-3557	V) b
Playing of Letit >	tory item(s)
Show / NAME	
SHOW.CFL.RUNDOWN Channels Channels	
Playout > Object Object	
Alerts (9) initialize item (thi+Shift+G	
Load All Items Ctrl+Shift+T	
Unload All items Ctrl+Shift+U) P
pilotdev[X] © pilotdev[Z] © pilotdev[AUTO] © VideoEmuGroup[VideoEmuGroup[VideoEmuGroup[VideoEmuGroup]]	mmand

A Note: This only has an effect when the channel group is locked.

See Also

Status for cg Elements

4.8 Preview

A preview channel can be configured in the Viz Pilot profile configuration (**Tools > Profile Configuration**).

Profiles	Channels						Viz Engines
BGO144W msel	Name	Viz Program P	Preview	Vide Program P	o Preview	Allocated	127.0.0.1 10.211.111.67
VizRundown VizRundown (Upgrad	x	×					10.211.111.12
vizroom1	▶ 💻 10.211.111.12						10.211.111.159 mseteam
New Prome	P						Add Viz
	▶ 💻 10.211.111.159						
H	Preview		×				Video Devices
	▶ 💻 mseteam						10.211.112.81 10.211.112.67
		"				+	
New profile	New channel						Add Video
							Close

Only one external preview can be configured per profile.

If autocue is enabled in Avid MediaCentral[®] | Command (Avid MediaCentral[®] | Command > Tools > System Settings > Playout > Autocue) then the Avid system automatically queues the next item in the playlist.

If autocue is not enabled, the user of Avid MediaCentral[®] | Command is manually cuing items, and one preview channel is enough even though multiple playout channels are available.

Note: Viz Trio can also be used to configure a preview Viz Engine. See the Output section in the Viz Trio User Guide for more information about this procedure.

5 Playout Of Vizrt Graphics

This section describes how to successfully play out Vizrt graphics from Avid MediaCentral® | Command.

5.1 Controls

The system plug-in keeps track of which element is currently running (paused, in Avid-terms). If you click **Play** on the current element it results in a *CONTINUE*, while a play on all other elements results in a *TAKE* on the corresponding element (see To Play out from Avid MediaCentral[®] | Command).

The Avid MediaCentral[®] | Command controls map to the following behavior when triggering Vizrt graphics:

lcon	Action
	Cue manually cues the item. If autocue is on, the next graphics element is cued automatically on <i>TAKE</i> .
	Play does a <i>TAKE</i> if the element you click Play on is not already taken. Clicking Play immediately results in a pause icon for the current element to allow a <i>CONTINUE</i> on consecutive actions for the same graphics element. The stop icon appears at the end of a sequence of stop points in a graphic element.
88	Pause has no function.
	Stop results in a <i>TAKE OUT</i> .

5.1.1 Control Buttons on Playout Toolbar

5.2 To Play Out From Avid MediaCentral® | Command

SHOW.N	EWS.	RUND	OWN				
0:00:00							
0	g44			N2			
С 🙆							
			TITLE	CHANNEL	DURATION		
			STORY A				
1			pilotdata:2TierUpper	С	00:00:00:00		
			pilotdata:2TierLo	С	00:00:00		
			STORY B				
1			pilotdata:FullScreenSt	С	00:00:00:00		
ľ				~	~~ ~~ ~~ ~~		

- 1. Start Avid MediaCentral[®] | Command workstation.
- 2. Open the playlist you loaded in iNEWS.
- 3. Click the lock to operate the playlist.
- 4. Click the **Play** button to load and play out the graphics.
 - $\cdot\;$ If the scene use Continue points, click the **Play** button to continue the animation.
 - If the scene should be played again, click the **Stop** button and then the **Play** button.
 - If the scene should be taken Off Air (hard cut), click the **Stop** button.

5.3 Set Last Played Item As Done

On playout of Vizrt graphics from Avid MediaCentral[®] | Command, graphics are set to the *Done* state after they are played out. The exceptions are CG graphics based on the same template, in which case only the last graphic is set to the *Done* state.

5.4 The Appearance Of The Graphic Is Set According To The Options Settings In Avid MediaCentral® | Command

ATEGORY	Playlist		
 Playlist and Shotbox Viewers Appearance 	ENTRY	SAMPLE	Text color
Cursor and Clock	Item transport: Standby	lext	Background
⊞– Playlist Viewer ⊞– Shotbox Viewer	Item transport: Pre-cued	Text	Daung Danian
- Actions - Channel	Item transport: Cueing	Text	Hont
Startup Plavlist Explorer	Item transport: Cued	Text	
Inventory	Item transport: Starting	Text	
- Status Bar	Item transport: Playing	Text	
– Media Viewer – Clock	Item transport: Pausing	Text	
Playout	Item transport: Paused	Text	=
	Item transport: Ejecting	Text	
	Item transport: Done	Text	-
	Sample: Sample		

A stop icon is used in Avid MediaCentral[®] | Command to show the Done state, in addition to the selected colors and font.

Selecting Vizrt Plug-in Settings > Options > Only mark last played graphic as done (per channel) will label the last played item (per channel) with the Done state.

Apply Apply To Reset						
Plug-in Chooser Device Settings Vizrt Plug-in Settings CII Commands Mappings						
Connection settings Options Trio show template preload						
Enable initializing of a playlist or item in a playlist						
Columnate last played membins on dama (new shorm of						
Only mark last played graphic as done (per channel)						
Z Allow editing of cg elements from Avid MediaCentral® Command						
Show status for cg elements in the page column						
Provide more verbose logging						
Licensing information						

A Note: Avid MediaCentral[®] | Command users can easily see which element was played last if a special color is used for the Done state.

6 Troubleshooting

The following section is a troubleshooting section for the Vizrt integration with Avid MediaCentral[®] | Command.

The information is based on experience gained by Vizrt during development and testing.

This section contains information on the following topics:

- Known Limitations
- Usage Related Troubleshooting
- Avid Troubleshooting Tools
- Verification of the Configuration
- Known Issues

6.1 Known Limitations

The following are the known limitations of the Vizrt iNEWS Command Plug-in. The limitations are based on functionality most users expect from a Vizrt graphics workflow; hence, the basic playout and control of Vizrt graphics, when compared to Vizrt control applications, is a bit different.

• When using *cg syntax: No default values are present for *cg elements with no input data.

(i) **Example:** External template *v1003* has two input text fields where default values have been set in Viz Pilot, then the following syntax gives a data element with empty values:

*cg v1003

- **Standalone playlists and shotbox:** Standalone playlists and shotbox functionality are not supported in this version.
- Timed graphics being played out relative to a video, does not have support for continue count.
- · No support for video elements.
- If a playlist created by the plug-in is deleted in Viz Pilot, the Avid Graphic Device Service must be restarted.
- If the Media Sequencer is restarted, the Avid Graphic Device Service must be restarted.

See Also

· Vizrt iNEWS Command Plug-in Release Notes

6.2 Usage Related Troubleshooting

• If there are errors in the channel configuration, the item in the playlist is displayed in red and labeled with *CHANNEL DOWN*.

- To acquire the Avid Graphic Device service logs:
 - a. Start Avid Diagnostics.
 - b. Click the 'wand' icon. A dialog named Package Remote opens.

6.3 Avid Troubleshooting Tools

Before you start troubleshooting, you should familiarize yourself with the following Avid tools:

- Avid Workgroup Properties
- Avid Diagnostics
- Avid Service Configuration
- Avid Health Monitor

All these Avid tools use magic auto-discovery, so your plug-in/device should show in all of them if configured correctly, and started.

6.3.1 Avid Workgroup Properties

With Avid Workgroup Properties you can (among other things) start and stop services.

Initially, it is important that the Lookup service has been defined (correctly) in the Avid Workgroup Properties, like this:

Avid Wo	rkgroup	Propertie	s				22
Services	Login	Lookup	Location	System Check	Network	About]
<u>V</u> orkgroup	× •		Lookup Serv	ices	3 3		20
AvidWorkgr	oup		Expected	Ho	ost		Port
				<u> </u>			
Add		emove	A <u>d</u> d		Re <u>m</u> ov	e	

If you have problems with Avid MediaCentral[®] | Command, you can use the System Check tab to see if there are any problems:

Services	Login	Lookup	Location	System Check	Network	About
System Ch	eck Statu	s		Passed		
System Ch	eck Detai	Is				
Property DNS serv 1 network	/: sun.cpu /: sun.cpu rer(s): [19] (adapter((s assigne	Lisalist Value 2.168.110.1 s) detected ed to adapte	e: windows lue: pentium, 0, 192.168.1 er 1 is 10.211	_pro+mmx pentiur 10.15] 1.111.81	n_pro pentiu	m+mmx pent
Local hos Name kg Address	stname for r-PC.vizrt.i 10.211.11	r IP addres: nternal res 1.81 resolv	s 10.211.111 olved to addr ed to name F	.81 is kgr-PC.vizrt. ess 10.211.111.8′ (gr-pc.vizrt.internal.	internal I.) ►
Local hos Name kg Address	stname fo r-PC.vizrt.i 10.211.11	r IP addres: nternal res 1.81 resolv	s 10.211.111 olved to addr ed to name F Perform S	.81 is kgr-PC.vizrt. ess 10.211.111.8′ (gr-pc.vizrt.internal. ystem Check	internal].

6.3.2 Avid Diagnostics

Avid Diagnostics is a logging framework that enables you to view logs of different Avid products across the network. Your Vizrt device should show up there as an *Avid Graphics Device Service*.

S Avid Diagnostics		e • 🖬
File Edit View Help		
🥥 😟 🖬 🖬 🖬 🖉 🔘 🔛 🖂 🔘		
Hosts Processes	S Display Filter	
	Total: 30 Buffered: 30 Visible: 30	
baci50w2	Sea# Sync Time Level	Message
baodema06	198 2010.02.25 09:27:16:057 ELOG_CFG Remote logging listener added: bgosvn01/10.211.111.10:63237	A
v bassault	199 2010.02.25.09.28.30.890 NFO Vizit Plugin Wrapper: Plug-in handleRenderThumbnail: graphic=MyTrioShow1: pilotdata, data=	3
Avid Health Monitor	200 2010.02.25 US 29:00:836 VINFO Vizit Flugin Wrapper Flugin handleRenderThumbnall graphic=MytrioShow1pilotdata.data= 201 2010.02.25 09:29:30:837 VINFO Vizit Flugin Wrapper Flugin handleRenderThumbnall graphic=MytrioShow1pilotdata.data=	3
And Pender Monitor	202 2010.02.25 09.29.41.771 INFO Dropping producer-side connection. Notifications summary for CIDThu Feb 25 09.12.58 CET	2010.541(CGTransport
And Service Comiguration	203 2010.02.25 09:29:42:899 O INFO Sending transport status: Transport Status[0]: preview=[], program=[]	
I NEWS Command Workstation	204 2010.02.25 09:29:42:907 OINFO Vizit Plugin Wrapper: Plug-in.handleClear: channel=0, preview=false, graphic=null, exceptClip=	=faise
 bgoswiu2 	205 2010.02.25.09.29:46.407 NFO Vizrt Plugin Wrapper: Plug-in.handleLoad: channel=0, graphics=4, clear=true	
Avid Graphic Device Service 01 - cg44	206 2010.02.25 09.29.46.410 ● INFO V27 Command Program and Progra	
Avid Service Starter Service	208 2010.02.25 09:29:46:431 INFO Adding pilotenent with id 4967 got pending result	
poppler	209 2010.02.25 09:29:46:431 O INFO Vizit Command Plugin: adding pilot element with id4965	
	210 2010.02.25 09:29:46:431 O INFO POSTing graphicsID f78a5a47-1b32-439b-8c8c-a332d6b90a42 with dbID 4965	
Choose what devices	211 2010.02.25 09:29:46:441 O INFO Adding pilot element with id 4965 got pending result	
to monitor. Note that	212 2010.02.25 09.29.46.441 INFO Vizit Command Plugin: adding pilot element with id4966 Vizit Command Plugin: adding pil	
legging dags not start	213 2010.02.25 09:229.46.442 INFO POSIng graphicsD desobeeb-03ar-4301-47ab-0904hscdobb with dbD 4906 214 2010.02.55 09:224.6453 INFO Adding nilter bermant with id 966 act another result	
logging does not start	215 2010.02.25.09.29.46.453 INFO Vizit Command Plugin: adding pilot element with id4968	
until you check the	216 2010.02.25 09.29.46.453 O INFO POSTing graphicsID 08f6da74-7a7a-47cb-b1aa-f997bdda9f5b with dbiD 4968	
box.	217 2010.02.25 09:29:46:461 O INFO Adding pilot element with id 4968 got pending result	
	218 2010.02.25 09.29.46:467 NFO Vizt Plugin Wrapper: Plug-in.handleCue: channel=0, graphic=d7a0f2a7-0357-4a19-8f0c-746d	i959bd806
	219 2010.02.25 09.29.46.467 INFO Checking status for element at http://mse1.8580/pending_element/storage/playlists/2010-02-2	22T13:57:31Z_MSE1_9
	220 2010.02.25 09:29:40.527 WINFO Senting transport status: Transport Status[0], preview[COPPervew]Tansportstatus: ID=074002 2010.02.25 09:29:46:527 WINFO Senting transport status: Transport Status[0], preview[CoPPervew]Tansportstatus: ID=074002	287-0357-4819-0000-74
	222 2010.02.25.09.30.00.840 INFO Vizit Plugin Wrapper: Plug-in-handleRenderThumbnall: graphic=MVTiriShow1.pilotata. data	3
	223 2010.02.25 09.32:44:758 O INFO Vizit Plugin Wrapper: Plug-in.handlePlay. channel=0, graphic=d7a0f2a7-0357-4a19-8f0c-746d	959bd806, noEffect=fal
This suplains why the TAKE	224 2010.02.25 09:32:44:758 • INFO take on graphicsIDd7a0f2a7-0357-4a19-8f0c-746d959bd806	
This explains why the TAKE	225 2010.02 25 09.32 44.758 SEVERE element with graphicsID d7a0f2a7-0357-4a19-8f0c-746d959bd806 is not yet loaded from DB	
(play in Avid terms) failed.	7 226 2010.02.25 09/32:44759 ● INFO Vizit Command Plugin: TakE Tabled 2010.02.55 09/32:44759 ● INFO 2010.02.55 09/32:44759 ● INFO 2010.02.55 09/32:44759 ● INFO 2010.02.55 09/32:44759 ● INFO 2010.02.55 09/32:45 09/32:45 09/32:45 09/32:45 09/32:45 09/32:45 09/32:45 09/32:45 09/32:45 09/32:45 09/32:4	207 0257 4010 000 74
The element was not	227 2010.02.25 09.32.44.760 • INPO Senoing transport status, transport status[0, preview=[COPreview(transport)status, to=074012	287-0357-4819-0000-74
loaded from DB.		
Have you configured the		
correct database, and the		
same in both active-X and		
the MSE you play out on?		
the Mise you play out on:		
		7
		<u> </u>
	Super Time: 2010.02.25.00.22.44.750	
	Time: 2010.02.25 09:32:45:260 element with graphicsID d7a0f2a7-0357-4a19-8t0c-746d959bd806 is not yet loaded from DB	
	Seg # 225	-
	Level: SEVERE	
	Process name: AvidGraphicDeviceService01	
	Process ID: 3912	
	Host name: bgosmuz @Message O Alternate Message	

6.3.3 Avid Service Configuration

With Avid Service Configuration you can configure the different services, like the Vizrt iNEWS Command Plug-in, across the network.

⊗ Avid Service Configuration	× N ×
Elle Action View Help	
Hosts Processes	Apply ApplyTo Reset
▼- WidWorkgroup	Plug-in Chooser Device Settings Vizrt Plug-in Settings
▼ 🕏 bgo176w3	Connection Settings Options Trip show template preload
- O Avid Graphic Device Service 01 - pilotdev	
Avid Senice Starter Service	
Avid Time Synchronization Service	Media Sequencer Connection
Avid Video Emulator Device Service	REST interface uri
🕨 💐 bgonbo	http://bgo-cftw:8580/ Look.up
► S command3server	Valid Media Sequencer REST interface URL
	Profile
	http://bgo-cflw:8580/profiles/mse1
	- Channel manninger
	Index Channel
	Add Delete
	Preview Server connection
	Use Preview Server to load thumbnails
	REST interface un
	http://command3server;54000/
	Valid Preview Server REST interface URL
	Pilot Data Server Connection
	Use Viz Trio templates only
	REST interface unt
	http://boamsevcadb.8177/service
	Valid Pilot Data Server REST interface URL
	Preinad Pilot external id feed
	I lee tempiate name as identifier for V/z Pilot co elemente

6.3.4 Avid Health Monitor

Use the Avid Health Monitor to view different health statuses related to the services.



6.4 Verification Of The Configuration

- Configuration is OK
- Configuration is Not OK

6.4.1 Configuration is OK

The following tells you that the configuration is OK:

- You create a rundown in Avid MediaCentral[®] | Command, with elements corresponding with your Vizrt device (for example *cg44*).
- You monitor the device, and it shows up in the Avid MediaCentral[®] | Command workstation.
- You open the rundown and click the lock. If autocue is on, the first graphic per channel is cued.
- · Thumbnails are showing and trigger counts are working properly.
- You select and click Play for one of the elements, and the graphic is played out On Air.

6.4.2 Configuration is Not OK

The following tells you that the configuration is not OK:

The Device Is Installed but It Doesn't Appear in Any Avid Tools

- · Check the firewall on the computer you installed it on.
- Does it show up using any of the Avid tools on the local computer (the same as you installed it on).
- If you are running Windows Vista or 7 (or anything newer than XP) you should probably set service to run in Compatibility mode (see Installation and Configuration).
 - Right-click *AvidGraphicsDeviceService01.exe*, and select properties.
 - · Click the pane for *Compatibility*.
 - $\cdot\,$ At the bottom, click the button to set for all users.
 - Check the box *Run this program in compatibility mode for: Windows XP (Service pack 3)*.

Device Not Usable in Avid MediaCentral[®] | Command and Displays Alert

A typical scenario, when you select the device in the Avid MediaCentral[®] | Command workstation, you get no Inventory, and an error-message saying "No inventory found".

Avid iNEWS Command	d marting " which and	
<u>File Edit View Playlist Shotbox Media Tools H</u> elp		
Clock	Inve	ntory 🗗 🗙
10:10:09	cg88	- mho 💌
	Searc	
Media Viewer		
		ን
	No inventory	•
	when you select the	
	device	
	•	
	NAM	E
		vailability
Playlists		bject ID
PLAYLIST 🛆 🔺		luration
- Q MyShotBox - Q SHOW.RD.CFL.RUNDOWN		
SHOW.RD.CFL.RUNDOWN	and the management of the second	
	Error messages about	
Alerts 6"X	the inventory.	
LITTE IIILE	/	
Devices may be misconfigured or offline in Channel Group cg88.	4	

- $\cdot\,$ Check to see that the device is running.
- $\cdot\,$ Does is show up in any of the Avid tools? If not, see point 1.
- Have you configured the device in the Avid Service Configuration tool to use the *Vizrt* plugin, and not the default None plug-in (see Plug-in Chooser tab)?

The Avid Health Monitor can give some additional information:





The Available status should be true and not false (see illustration above). If this is not the case you should check whether the Avid MediaCentral[®] | Command server can access your Avid MediaCentral[®] | Command workstation where you installed the plug-in. Also disable firewalls to check for potential port connection issues.

INFO	vizrt Command Plugin: Saving new current playlist:http://VIZ-MSE-SRV:8580/directo
INFO	vizrt Command Plugin: vizrt plugin created!
INFO	Avid Graphic Device Service is starting in Daemon Mode
INFO	The Avid Graphic Device Service daemon is starting in Daemon Mode
INFO	Connection to Media Sequencer Engine (http://VIZ-MSE-SRV:8580/) ok

- · Check the Avid Diagnostics tool and look at the log-messages from the device.
 - · Select the device and enable logging for it.
 - · Restart the service using Avid Workgroup Properties.
 - · It should log a lot of messages, look out for anyone containing Vizrt.
 - Check for *SEVERE* errors.

Avid Diagnostics		
File Edit View Help		
202		
	S Display Filter	
THUSIS PICESSES	Total: 205 Ruffered: 205 Meihle: 205	
AvidWorkgroup	Coast One Time	Manage
► 🕏 bgo159w2	Sed # Sync Time Level	Adr Velsium, 1.3.2.0 Message
▶ 🕏 bgo176w2	150 2010.02.25 10:15:05:468 O INFO	TCP Notification consumer accepting connection from producer. ReceiveBufferSize:524288, requested size:524288for:Notif
🕨 尾 bgodema05i	151 2010.02.25 10:15:05:468 O INFO	Creating device provider
🔻 😓 bgosvn01	152 2010.02.25 10.15:05:475 O INFO	RCW: 150 unassociated from producer f266b624-a038-4040-bb64-f3ac453d324ffor:Notif Consumer <tcp>, null</tcp>
Avid Health Monitor	153 2010.02.25 10.15:05:727 VINFO	starting to initiatize plug-in toader.
Avid Service Configuration	154 2010.02.25 10.15.05.759 VINFO	Vizit plug-in succession minalized
	156 2010 02 25 10 15:05:759 O CONFIG	Lisina nukunin Vizin XTemplata JavaX hehavior niuo, in for Granhir Device Service 1.0
INEWS Command Workstation	157 2010.02.25 10.15:05:760 O INFO	Registering device provider
V 💐 bgosvn02	158 2010.02.25 10:15:05:762 O INFO	Beginning to register Jini service com avid automation device co graphic provider GraphicDeviceProvider
Avid Graphic Device Service 01 - cg44	159 2010.02.25 10:15:05:775 O INFO	Registering service com avid automation device og graphic provider GraphicDeviceServiceProxycom avid automation device.
Avid Service Starter Service	160 2010.02.25 10:15:05:790 O CONFIG	loadSettings: storedSettingsVersion set to 1
R poppler	161 2010.02.25 10:15:05:791 O CONFIG	loadSettings: selectedConnectionType set to TELNET
	162 2010.02.25 10:15:05:791 O CONFIG	loadSettings: teinetHost set to localhost
	163 2010.02.25 10:15:05:793 O CONFIG	loadSettings: inventoryPath set to c3
	164 2010.02.25 10:15:05:793 O CONFIG	loadSettings: deviceProfile set to null
	165 2010.02.25 10:15:05:793 O CONFIG	loadSettings: caseSensitive set to false
	166 2010.02.25 10:15:05:797 OINFO	This plug-in provides custom health data, registering w/ the plug-in for updates
	167 2010.02.25 10.15:05:806 O INFO	creating the singleton ConfigurationService
	168 2010.02.25 10:15:05:815 VINFO	Beginning to register Jimi service com avid workgroup, configuration. Configurationservice UI
	170 2010.02.25 10.15.05.829 VINFO	Registering service com and workgroup, comparation, comparations encoded, is serviced. = scotrace+4240-491-0702-210970 Crasted a Marchaellad Obiectivaeneer for a configuration forder. Confidence is Marchael were internel (50108/adi
	171 2010.02.25 10.15.05.034 VINFO	Created a MarchaneoOyet wrapper or a computation factory. Codebase is http://ope.waiti.iter.mail.com/ada_gaa
	172 2010 02 25 10 15:05:849 O FINE	Plus in the a missiane conject mapper or a computation raction, couperage is improvementary into the raction and a constant and in ordina and instina
	173 2010 02 25 10 15 05 924 Q INFO	Vizt Plunin Wranner: GelConfaData: viztfalunin was: nulli
	174 2010 02 25 10 15 05 931 Q INFO	Vizt Flught Viapper: New conflouration data received: graphicdevicevizitiavanlugin
	175 2010.02.25 10:15:05:931 O INFO	Vizrt Plugin Wrapper, vizrtPlugin was null, not initing it with new data
	176 2010.02.25 10:15:05:977 O INFO	Created a MarshalledObject wrapper for a configuration factory. Codebase is http://bgo-twa-xp.vizrt.internal.:59106/avid_grap
	177 2010.02.25 10:15:05:999 O INFO	TCPNotificationProducer Sender thread started running
	178 2010.02.25 10:15:06:000 O INFO	Beginning to register Jini service com.avid.workgroup.notification.TCPNotificationProducer
	179 2010.02.25 10:15:06:006 O INFO	Registering service com avid workgroup.notification.TCPNotificationProducer. serviceID=b317c6c1-12e8-47d4-b470-bf31e2(
	180 2010.02.25 10:15:06:009 @ FINE	Created NotificationProducer for Inventory changes: com.avid.workgroup.notification.TCPNotificationProducer@6e75f6
	181 2010.02.25 10:15:06:010 Q INFO	TCPNotificationProducer HeartbeatGenerator thread started running
	182 2010.02.25 10:15:06:032 O INFO	TCPNotificationProducer Sender thread started running
	183 2010.02.25 10:15:06:034 O INFO	Beginning to register Jini service com.avid.workgroup.notification.TCPNotificationProducer
	184 2010.02.25 10:15:06:037 Q INFO	Registering service com.avid.workgroup.notification.TCPNotificationProducer. serviceID=d86efb5e-7cb5-4685-9b0f-712d5ff
	185 2010.02.25 10:15:06:039 O INFO	TCPNotificationProducer HeartbeatGenerator thread started running
	186 2010.02.25 10:15:06:067 O INFO	Connected to device: true
	187 2010.02.25 10:15:06:068 O INFO	Channel 0 available: true
	188 2010.02.25 10.15:06:068 O INFO	Vizit Plugin Wrapper: creating VIZRT plugin
	189 2010.02.25 10:15:06:085 O INFO	Vizrt Command Plugin: creating mse instance
	190 2010.02.25 10:15:06:397 O INFO	currentPraylist. http://msen.absourdirectory/playlists/ref%.2333
	191 2010.02.25 10.15.06.424 O INFO	Vizit Command Plugin: Saving new current playlist.http://mse1.8580/directory/playlists/ret%2333
	192 2010 02 25 10 15 06 425 O INFO	Vizit Command Plugin: vizit plugin created
	193 2010.02.25 10.15.06.436 VINFO	And Graphic Denice Service is starting in Daemon wode
	154 2010.02.2510.15.00.438 0 14PO	The way of aprilic Device Service daemon's statung in Daemon wode
	17	
	Sync Time: 2010.02.25 10:15:06:425	Vizit Command Plugin: vizit plugin created
	Time: 2010.02.25 10:15:06:425	The second se
	Seq #: 192	
	Level: INFO	
	Process name: AvidGraphicDeviceService01	
	Process ID: 4456	
	Host name: bgosvn02	Alternate Message

It should look somewhat like this:

Playlist in Avid MediaCentral[®] | Command Workstation Is Empty

I have inventory, but my playlist is empty in the Avid MediaCentral[®] | Command workstation.

 Check that the device name (for example *pilotdev*) configured in Avid Service Configuration matches the device name configured in iNEWS. If the latter is correctly configured the device name in iNEWS should match the inventory name seen in iNEWS Command.

A typical iNews rundown might look something like this in **System > Map**:

using monit	or 275 I. rundown	show.rd.cfl	show.rd.cfl.composite	monitor	2359
wnasvr	mseteam	- com	mand-master		
vide	eo VideoGro	- Vide	oEmuChannel;		
cg	pilotmos	- AUT	O VCP:		

• *pilotmos* should match your device name.

VCP is the style being used.
 One of your elements in the rundown might look like this (MOS type element):
 *pilotmos Clock in

Changes in iNEWS Are Not Affecting the Playlist in Avid MediaCentral[®] | Command

Try **Monitor > OFF and Monitor > Load** again, and turn on and off the lock in Avid MediaCentral® | Command a few times.

Cannot Configure the Device Using the Avid Service Configuration Tool

If the device shows up, but you get an error message when trying to click it and open the GUI, see the next point on DNS related issues.



Service Doesn't Show up with Inventory in iNEWS or Can't Open Configuration Panel

You have installed the service, configured it to run in compatibility mode, started it, but it does not show up correctly with Inventory in Avid MediaCentral[®] | Command workstation, and you get errors when trying to open the configuration panel.

- This may be caused by wrong reverse lookup in DNS.
- Use the Avid Health Monitor and check the following:
 - Try to access the Codebase URL, and check that it is the right hostname for your service.

• Try to access the Codebase URL from the Avid MediaCentral[®] | Command server (ref. Lookup Locator).

Cannot See the Playlist in the Viz Pilot Client

Your playlist in iNEWS Command displays all elements that were added in iNEWS, but you cannot see the playlist in the Viz Pilot client. If you have deleted the playlist in Viz Pilot you must restart the Avid Graphic Device Service XX.

6.5 Known Issues

This section describes various known issues:

- DNS Trouble
- The Thumbnail is Not Displayed in the Column in Avid MediaCentral® | Command
- The List Containing All the Playlists is Getting too Large
- Cannot Lock the Playlist
- Playlist Controller Disconnects
 - Symptom
 - What to Check
- System Check has Warnings for VM-ware Adapters
- No Default Values Present from Viz Trio Template for Viz Trio CG Element

6.5.1 DNS Trouble

You've installed the service, configured it to run in compatibility mode, started it, but it does not show up correctly with Inventory in Command Workstation, and you get errors when trying to open the config-panel.

Look in Avid Workgroup Properties under System Check whether you have something similar to this:

% Avid Workgroup Properties 🛛 🗹 🔀					
Services Login Lookup Location System Check Network About					
System Check Status Passed with Warning(s)					
System Check Details					
DNS server(s): [192.168.110.10, 192.168.110.15] 1 network adapter(s) detected. IP address assigned to adapter 1 is 10.211.111.5 Local hostname for IP address 10.211.111.5 is morten-PC.vizrt.internal Name morten-PC.vizrt.internal resolved to address 10.211.111.5. Address 10.211.111.5 resolved to name neutrino.vizrt.internal (compare to local name: Warning: Local hostname (morten-PC.vizrt.internal) does not match DNS registered ho An error occurred resolving names against your configured DNS servers. Please doub					
Perform System Check					
Apply OK Cancel Help					

This is likely caused by a wrong reverse lookup in DNS.

- · You install on a computer called *avidcommandplugin*.
- The plugin seems to ask the DNS for its hostname, based on IP (like *nslookup*).
- The DNS replies with a different/wrong hostname (e.g. *vizrtvizlink1*).
- The plug-in broadcasts to the Avid Services "Hey, you can contact me at *vizrtvizlink1*"
- The services tries this, and fails.

It seems that this can be discovered using the Health Status tool:

Navigate to your plug-in, and look at the Codebase URL. As you see in the screenshot below, the codebase URL does not match the hostname.

(By accident or luck, the hostname in the Codebase URL reported in this example resolves to the correct IP of the computer, so it happens to work.)



6.5.2 The Thumbnail is Not Displayed in the Column in Avid MediaCentral® | Command

Simply resize the header to make it appear. Normally this fixes the issue.

6.5.3 The List Containing All the Playlists is Getting too Large

P	laylists	Ð×
∇	PLAYLIST	
	SHOW.RD.MOB.RUNDOWN	-
	SHOW.RD.MOB.RUNDOWN	
	SHOW.RD.MOB.RUNDOWN	
	SHOW.RD.CFL.RUNDOWN	
	SHOW.RD.CFL.RUNDOWN	-
	SHOW.RD.CFL.RUNDOWN	
	SHOW.RD.CFL.RUNDOWN	
	SHOW, RD, CFL, RUNDOWN	
	SHOW.RD.CFL.RUNDOWN	
	SHOW, RD, CFL, RUNDOWN	
	SHOW.RD.CFL.RUNDOWN	
	SHOW DD CEL DUNDOWN	

This should not affect how the program works. Still, you can remove the playlists by simply rightclicking them and selecting **Delete**. If this does not work, you can delete them manually by following these steps:

- 1. Monitor off your rundown.
- 2. Stop all services on the Command server.
- 3. On the Command server, navigate to C:\Program Files\Avid\iNEWS Command\playliststore\state\playlists, select all the files and delete them.
- 4. Start all the services on the Command server.

Duplicate playlist generation can be avoided by always unlocking the playlist before loading it again from iNews.

6.5.4 Cannot Lock the Playlist

If you suddenly cannot lock the playlist, try to unlock another playlist and then lock your playlist again.

6.5.5 Playlist Controller Disconnects

Symptom

The Playlist Controller is unavailable' alert in the alert list in Avid Command.

Diagnostics	Thory in	rundrum.2	2	×	
_					
Time:	7 19:24:40.731	Items cannot be played in playlist			
Alert Index:	1174	SHOW, KD, CI E, KONDOWINZ,		121	
Level:	CRITICAL				
				٢	
			_		
		The Playlist Controller is unavailable.			
			Cle	ose	

What to Check

- Lookup settings: Check that the lookup tab in Avid Workgroup contains the machine that runs the lookup service. Do not add machines here that do not run a lookup service! Usually the lookup service runs at the machine with the command server install. This means all the workstations must have this machine (with fully qualified name) added to the lookup list on the lookup tab. The 'lookup' tab setting on the service machine itself must also have this setting set.
- Server sleep mode: Turning off sleep mode for the server machine helps.

6.5.6 System Check has Warnings for VM-ware Adapters

Problem: System check has warnings for vm-ware adapters.

Solution: If the VMware adapters need to be active, do the following, which should remedy the problem.

- 1. Control Panel, Network, Change adapter settings (for W7).
- 2. Press the ALT key to get the menu bar.
- 3. Click Advanced, Advanced Settings.
- 4. Move the real NIC to the top of the binding order.

5. Restart services (via workgroup properties) and the Command workstation.

6.5.7 No Default Values Present from Viz Trio Template for Viz Trio CG Element

A manually-entered element in iNews with no values assigned to it has an empty data set in its data fields. It does not use the default values in the template.