

Software Version 2.0 Release Notes

About Vantage Version 2.0

Vantage Release 2.0.24.66742 is a major release of the Vantage product family. It includes support for an SDK, Workflow Portal, and significant other new features and bug fixes.

If you are already using a prior version of Vantage, Version 2.0 requires a re-installation of Vantage; however databases from previous versions of Vantage may be upgraded automatically to Vantage 2.0. Note that some actions within your upgraded workflows must be re-built in order to display new capabilities.

Documentation and Support

Full installation instructions and online documentation can be found at:

<http://www.telestream.net/vantage/help>

Telestream Support can be reached at:

<http://www.telestream.net/telestream-support/vantage/support.htm>

GraphicsFactory Licensing

Vantage 2.0 includes full support for GraphicsFactory templates – including binding Vantage variables into GraphicsFactory variables. The GraphicsFactory template creator may be downloaded from the Vantage download page.

Please note: Your Vantage GraphicsFactory license **will not** automatically allow the Template Creator to run on your Vantage servers. You will need a mac ID based license file to run the Template Creator. Please contact sales@telestream.net for more information about obtaining this license.

SDK Documentation and Samples

You can download the Vantage SDK documentation and samples from the Telestream SDK download page at: <http://dynamic.telestream.net/downloads/download-sdk.asp>

Note that all versions of Vantage – including versions running in Demo Mode – allow SDK development. However, only those features which are licensed will be available when you execute your workflows. If you require a time-limited trial license for development purposes please contact sales@telestream.net. Note that this trial license does not include SDK developer support.

SDK Developer Support – including email support and a watermarked development license – is available for purchase and is *not* part of your standard Vantage maintenance and support contract. Please contact sales@telestream.net for more information.

New Features in this Release

General

Vantage Workflow Portal – allows administrators to create operator-facing user interfaces. Operators can browse assets in the workflow, enter metadata, mark trim/graphics points on the timeline, and forward the media to next workflow steps. *Vantage Workflow Portal is an installed desktop application and is licensed on a per-seat basis.*

Vantage SDK – allows REST, SOAP (WSDL) and WCF integrations with Vantage. SDK package includes overview, documentation, and programming samples.

Telestream EDL Format Support – added support for .tsedl file inputs. These files are XML-based EDLs which can stitch MPEG-2 Transport Stream and Program Stream files. Stitching works in both transcoding and “Direct Convert” modes; the latter inserts I-Frames at GOP boundaries, allowing stitching of MPEG-2 inputs to MPEG-2 outputs without a full transcode. Audio tracks, VANC and captions are appropriately stitched as well when available in the inputs. *A full specification for the .tsedl file format is available from Telestream.*

Support for SQL Mirroring with Witness – allows SQL Server “Mirror with Witness” model to be used with Vantage.

Job Status View Search – jobs can be searched by name in Workflow Designer’s Job Status view.

“User Stopped” – jobs cancelled by a user no longer trigger a “Failed” state but instead are marked as “User Stopped”.

Legacy FlipFactory Store Directory Naming – store directories can be named to support legacy FlipFactory time-stamped directory names.

Workflow Design

GraphicsFactory Variable Integration – GraphicsFactory allows template-based layered graphics and audio to be applied during a transcode. This release allows GraphicsFactory variables to be linked with Vantage variables.

Filename Changing – files can be renamed during a move or a copy, and names can be specified during a transcode. Filenames can be token-based (using date, time, etc.) and can be dynamically constructed using Vantage variables.

Compute Action – a new action which can perform mathematical and string operations upon variables has been added.

Associate using Variable for Filename – Associate can now use variables to determine which file to add in a directory; it can also add the same file every time a job is run.

Decide Action for Ranges – the decide action now allows the same variable to be included multiple times in the same decision; this allows range-based decisions such as “If height > 700 and height < 750”.

Replace Existing Files – during a move or copy, files can now be replaced.

Dynamic Output Directories – Using the new Bindable file system, URI paths can now be provided dynamically for deploy actions, allowing the output directory to change for every file. This allows SDK-driven destination directories for files. If the output directory does not already exist, it will also be created as needed for file systems where this capability is supported.

Synchronize Action – a new synchronization action has been added. Multiple execution threads can synchronize to this action prior to the workflow continuing execution.

Avid Interplay 2.2 Support – delivery to Avid Interplay 2.2 using Transfer Engine is now supported. Avid 2.2 Send to Playback into Vantage is also supported. The Avid Interplay 2.2 integration has been qualified upon Windows Server 2008 R2 as well as Server 2003. *Note: Vantage also supports Interplay 2.1; the 2.1 installer only supports Windows Server 2003 32-bit.*

Accept and Reject Watch Patterns – Watch action now allows both filename filters simultaneously

Avid MediaStream Filesystem – added support for Avid Mediastream file systems, for both Watch and Transport actions.

Identify MD5 Hash – allows generation of MD5 hash for media files.

Video and Audio Analysis

Video Levels – for MPEG-2 content, video luminance and chroma can be analyzed to ensure a broadcast-safe signal.

Gamut – for MPEG-2 content, gamut can be checked to ensure compliance with the 608/709 color space.

Blockiness – Video blockiness can be analyzed and reported.

Field Order Detection – Video can be analyzed to determine field order configuration.

Interstitial Black Content – interstitial blacks can be detected in media. Timecodes are published as variables that can be used for trimming, commercial insertion or metadata publication.

Bars/Slate/Spot Detection – support for detecting SMPTE color bars has been added to the Slate/Spot detection filter.

512i and 486i VBI special case handling – added options to control where VBI lines are located in 512-line and 486-line material

Transcoding

MainConcept .CFG file support – allowed for 3GP Advanced, H.264 and IPTV encoders.

Dolby E decoding – Dolby E decoding supported (contact Telestream for specific file format support)

Omneon AVC Intra decoding – ability to decode Omneon files with AVC-Intra essence

SAMMA JPEG-2000 decoding – ability to decode Front Porch SAMMA JPEG-2000 input files

Fixed in this Release

FF-6122 – Transcoding from QuickTime source would cause subsequent Delete Original to fail.

GIR-2199 – Final Cut / Avid QuickTime encoder displays wrong bitrate options for DVCPProHD.

GIR-1699 – Transcoding to Windows Media using multiple output audio channels results in bad audio.

GIR-1785 – Transcoding to Final Cut / Avid QuickTime HDV 720p outputs do not generate correctly.

GIR-2032 – Delivering the same file to the Omneon twice will result in an incorrect filename. This can now be avoided using the “Overwrite original” option during transport.

GIR-1976 – Transcoding to Omneon using “Direct Convert” does not work correctly in some situations.

GIR-2006 – Transcoding to EVS 1372x1080 does not work; the transcode will revert back to 1280x1080.

GIR-1703 – Transcoding to Windows Media using 2-pass encoding does not properly set the output bitrate.

GIR-1638 – Transcoding to IPTV AAC mono audio will result in a stereo output.

GIR-957 – On some Windows XP and low-end Windows 2003 machines, the Transcoding service takes several minutes to start. This delay still exists but does not adversely affect the service.

FF-6130 – DVCPPro with Embedded Audio encoder fails when using Direct Convert mode

Known Issues in this Release

GIR-838 and GIR-785 – Transcoding using double-byte filenames will not work with some format targets; known issue with Seachange output format; a complete list is being compiled.

FF-6395 – EDL submissions fail if any of the clips submitted have 44.1 kHz audio. This will be addressed in a subsequent update.

GIR-2354 – Workflow Portal proxy view is not frame accurate if a mapped drive (e.g.: S:\Store) is used for SAN storage of the proxy. Please use a UNC path for proxy stores instead (e.g.: \\SAN\Store).

General – TIFO 4 format is *not* supported in the Vantage 2.0 release. Telestream Pipeline[®] users can safely continue to use the TIFO 3 format (please see next two known issues).

FF-6113 – ProRes TIFO 3 files hang when flipped to a QuickTime output. This will be addressed in a subsequent update.

GIR-1999 – Transcoding an NTSC DV25 or an NTSC DV50 QuickTime file to QuickTime or Apple MPEG-4 will result in incorrect output.

FF-6348 – transcoding DNxHD 720p TIFO 3 input files may result in distorted outputs.

GIR-2030 – Transcoding to Omneon self-contained QuickTime files with SD 4:2:2 MPEG-2 will result in files that do not play upon the Omneon.

GIR-1932 – Transcoding when using a Screen CFG file, when applying open subtitles, will not complete the job correctly.

GIR-1998 – Transcoding to 3GP Advanced with H.263 video may result in incorrect output frame sizes.

GIR-1979 – Transcoding to Omneon DV and DVCPro reference MXF files may cause subsequent delivery to the Omneon to fail

GIR-1980 and GIR-2369 – The AMP delivery protocol has intermittent problems delivering to some Grass Valley Profile and K2 servers; others work without issue. Telestream is working to address this issue.

GIR-1971 – Compare with Normalization – incorrect return values when comparing interlaced material, when the “Normalization” option is used. Compare will report values that are slightly too high when comparing media that is drastically different; values that are slightly too low when comparing media that is very similar.

FF-5544 – VITC synthesis supports traditional VITC lines but some custom line selections do not work.

GIR-2012 – Transcoding to DV-AVI Axio and RTL targets do not work correctly.

GIR-833 – Transcoding to QuickTime using the Avid LE 1.20 QuickTime codecs will result in files that are not the correct frame size or frame rate.

FF-6366 – Transcoding to two-pass Windows Media, with closed captions selected, will result in an output file that does not include video. This issue is under investigation.

FF-6406 – Video and audio filters are not applied during XDCAM encodes. This will be addressed with an update.

GIR-2468 – In some cases, immediately after installation services will not be discoverable by the Vantage Management Console (first-time launch). Restarting either the problematic services, or the entire server, will address the issue.

GIR-1627 – Transcoding to IPTV using the Aspect Ratio setting may not create the correct output aspect ratio.

FF-6215 – Transcoding to MP3 on Server 2008 causes a transcode error. M2A can be encoded to on Server 2008.

GIR-2461 – When inserting QuickTime movies with the Media Expansion filter, the QuickTime file frame size, frame rate and number of audio channels must match the target encode profile.

FF-6386 – When transcoding PAL input media, burned-in timecode will incorrectly display an NTSC timecode.

GIR-1697 and FF-6384 – Transcoding to Windows Media creating video-only files will fail.

FF-6349 – Transcoding to QuickTime with 128Kbit, 44.1kHz AAC audio may result in scratchy audio.

FF-6337 – XDCAM HD HDV 25Mbit and 17.5Mbit encode options result in 35Mbit video outputs