

## About This Release

This is a full release of the Vantage software. The released build is: 8.2.77

The release includes the installer shown below:

Vantage installer: Vantage\_8.2.77\_Setup.exe

**Note: Please read these release notes before installing!**

This release is comprised of new features and bug fixes, and a roll-up of all fixes and new features in 8.1 Update Packs. For specific issues and new features addressed in all 8.1 Update Packs, refer to the release notes for those individual releases.

**This release is available for customers with current maintenance as of April 15<sup>th</sup>, 2024. If your maintenance expired before that date, please do not install this release as it will cause some portions of Vantage to cease functioning. Your maintenance expiration date can be found in the Licenses section of the Vantage Management Console, or you can contact [license@telestream.net](mailto:license@telestream.net) to verify that your maintenance is current and to obtain the new license.**

**Note: Lightspeed Live Capture users should not upgrade to Vantage 8.2 until a supported Live Capture Component is released. This means if you have a domain of 10 vantage servers and 1 capture server; you may not upgrade any nodes in the domain until a supported version of Capture is released. If you upgrade the Database and the 10 vantage nodes, the single capture server will no longer function. Contact Telestream Support for more information.**

### Included ComponentPac Versions

This release includes updates to Vantage Transcode, Transcode Pro, Analysis, Analysis Pro, Avid Integration Services, Post Producer, Timed Text Flip, Transcode Multiscreen, Tempo, Array Pro and Transcode IPTV VOD. For more information on the ComponentPac’s that install with this release, refer to the latest ComponentPac release notes. However, please note that individual ComponentPac release notes may mention additional patches or software to be installed, but if you are using the ComponentPac’s that install with this release, you do not need to do that. Versions included with this install package are:

ComponentPac	Version
Analysis	2023.1.1.87
Avid	2023.2.1.14
Flip64	2024.1.5200
IPTV	2023.1.0.329
Multiscreen	2023.2.0.299
Post Producer	2023.1.0.166
Tempo	8.0.1.285140
Timed Text	2023.2.0.199

### Installation 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>

### SDK Documentation and Samples

You can download the Vantage SDK documentation and samples from the Telestream SDK download page at:

<https://dynamic.telestream.net/downloads/login.asp>

Login required for above link, then go to Support - Enterprise Systems - Vantage Support - Link for Vantage SDK is on the right side of page

All versions of Vantage allow SDK development, including non-licensed Demo Mode installations. However, only those features which are licensed will be available when you execute your workflows via the SDK. If you require a time-limited trial license for development purposes, please contact [sales@telestream.net](mailto:sales@telestream.net).

SDK developer support is included as part of your support contract if you have purchased an Enterprise support contract. Otherwise, it is available for purchase; please contact [sales@telestream.net](mailto:sales@telestream.net) for more information.

Note: Regarding the SOAP API - Due to changes in the Vantage software, it is recommended that SDK clients employing a SOAP/WSDL interface regenerate their client service library. This is particularly important for Java based SOAP clients due to nuances within various Java client runtimes that may generate incompatibility errors if the service library is not regenerated. (I.E.: previous clients may be incompatible with the Vantage 8.2 SDK/API unless they are regenerated and rebuilt).

Note: SQL Mirroring and Basic Availability Group configurations require purchase of Telestream Professional Services.

### Supported Components

Vantage 8.2 supports the following component versions:

- Vantage 8.2 services may be installed on the following operating systems:
  - **Windows Server 2016**
  - **Windows Server 2019**
  - **Windows Server 2022**
  - **Note that Vantage is no longer supported on any version prior to those listed above.**
  
- SQL Database
  - Microsoft SQL Express 2022 is included in this release for standalone Vantage systems.
  - The following SQL versions are supported for external database configurations:
    - Microsoft SQL 2014
    - Microsoft SQL 2016
    - Microsoft SQL 2019
    - Microsoft SQL 2022

Note: Telestream Professional Services may be required for SQL Enterprise deployments.
  - Note: If you are using SQL Mirroring and you perform a failover, if the VMC window is open you may see an error if you navigate to the License view. If the error is observed, simply close and reopen the VMC to correct the issue.
  - Note: Be aware the SQL Server will allow database names with a space in the name. Vantage, however, does not allow for this, and will not accept database names including a space.
  
- .NET Framework
  - Vantage now requires .NET 4.8. If not already installed, Vantage will install .NET 4.8
  - .NET 3.5 is required for the Transcode Service.

- IIS Web Server
  - IIS 10.0 when run on Windows Server 2016
  - IIS 10.0 when run on Windows Server 2019
  - IIS 10.0 when run on Windows Server 2022
  
- Web Browser
  - Vantage Web Applications are supported the latest version Google Chrome
  - Lightspeed Live Capture web application only supports Google Chrome
  
- NVIDIA Drivers
  - Lightspeed server models G5 (P4 GPU) and G6 (P4 GPU) now use NVIDIA Tesla driver version 471.41
  - Lightspeed server models G5 (P4000 GPU), G6 (P4000 GPU), G7, G8 and G10 now use NVIDIA Quadro driver version 535.98
  
- **Vidchecker 8.2.2** was tested with this release.
  
- **DIVA 9.0** was tested with this installation.
  - Note: Previous versions of DIVA are not supported with Vantage 8.2 due to changes with the DIVA API.
  
- Note that **Telestream will no longer distribute the agent for the Vantage Baton Service.** Customers can still purchase the Vantage/Baton connector from Telestream (i.e. the Vantage Baton Service), but they need to obtain the agent software from Interra. The agent operates between the Vantage Baton Service and Interra's Baton product. **Customers with existing Baton integrations must work with Interra at the time of the upgrade to acquire the new agent. Note that Interra tested a pre-release version of this release with Baton, please check with Interra before upgrading to this release.**
  
- **QuickTime:** To address concerns about QuickTime vulnerabilities, it is recommended that action be taken to reduce the risk of a security compromise by following the steps outlined in the service bulletin available for view and download at <http://www.telestream.net/quicktime>
  
- **MediaInfo:** Version 22.06 is included with Analysis Pro.
  
- **Screen Subtitling:** Note that Screen software is no longer included in Vantage versions (7.0 and later). Users should contact Screen directly for information on the latest supported versions.
  
- **Storage:** Vantage has been qualified on numerous enterprise storage systems, consult your Telestream representative for additional details.
  
- **Avid:** This release supports integration with Avid Interplay | Production 2021.3.1, Media Composer 2020.12, Avid NEXIS Client Manager 21.3.0.21, and Interplay Advanced Encoder

2018.2 or later. Vantage AVID integration testing was done using these versions of the Avid software on Server 2016.

- **Aurora (Digimetrics) (Tektronix Aurora) (Telestream Aurora):** This release supports integration with Aurora 6.0.411.8.
- **Aspera:** This release supports integration with Aspera Faspex Delivery 5 and Aspera Enterprise Server 3.8.0.154168 or later.
  - Note that the chunk size of the Aspera Enterprise Server needs to be set to 131072 in order for the Copy Action to complete successfully.
- **Signiant:** This release supports Signiant Server 14.0.
- **FileCatalyst:** This release supports FileCatalyst Server 3.2; it requires JRE 6.0 or later to be installed on the Vantage machines and on the FileCatalyst server.
- **Venera Pulsar:** This release supports Venera Pulsar 4.0.0.106.
- **Nexidia QC:** This release supports Nexidia QC 2.5. Note - older versions are not supported.
- **Minnetonka:** This release supports AudioTools 5.

## Upgrading from Previous Versions

**NOTE:** As of Vantage 8.2, the Avid Unity Detector and Omneon Detector have been removed from the Watch and Associate actions as they are no longer supported.

**This version of Vantage requires slightly different upgrade installation instructions from pre-7.2 versions.** Please refer to the 8.2 version of the *Vantage Domain Management Guide – Upgrading and Modifying Vantage – Upgrading from a Previous Version*.

**Note: SQL Mirroring and Basic Availability Groups should be disabled prior to upgrading a Vantage database. Please contact Telestream Support for assistance.**

**Note: After upgrading to Vantage 8.2 from a version prior to Vantage 7.2, if you are using a custom path for an Agent executable, the custom path needs to be re-applied in the Windows Registry. This is not an issue if you are upgrading from Vantage 8.0 or 8.1 to Vantage 8.2.**

This note applies to the following Vantage Third Party Services:

AudioTools, Cerify, Digimetrics, eMotion, FileCatalyst, Nexidia, Pulsar or VidChecker

For example, say you start with Vantage 7.1 and have the following custom path for the AudioTools agent:

[HKEY\_LOCAL\_MACHINE\SOFTWARE\WOW6432Node\Telestream\Soa\AudioTools]

```
"AgentExecutablePath"="C:\\Program Files
(x86)\\Telestream\\Vantage\\AudioTools\\MyAgent\\MtkATSCustomAgent.exe"
```

After you upgrade to Vantage 8.2, the Agent path in the Registry will reset to the default value, which for AudioTools is:

```
[HKEY_LOCAL_MACHINE\\SOFTWARE\\WOW6432Node\\Telestream\\Soa\\AudioTools]
"AgentExecutablePath"="C:\\Program Files
(x86)\\Telestream\\Vantage\\AudioTools\\Agent\\MtkATSCustomAgent.exe"
```

To continue using your custom path, please re-apply the custom path in the Registry after upgrading to Vantage 8.2 and then restart the corresponding Third-Party Service. Again, this is not an issue if you are upgrading from Vantage 8.0 or 8.1.

**Note: The Vantage installer can be used to deploy a new database or upgrade an existing one. It does not give the user the option to overwrite an existing database and deploy a new database. The Database Deployment Utility can be used to replace an existing database with a new one.**

**NOTE: Please test before upgrading your production environment**

It is always advisable to run a separate copy of this new build, staging your production workflow in a test environment, before updating your Vantage production servers. Telestream can provide you with a limited license to configure and qualify this new release in a test environment prior to upgrading your production server.

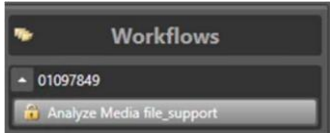
For details on how to replicate your Vantage workflows onto a test/qualification server please contact your authorized reseller or email Telestream support, [support@telestream.net](mailto:support@telestream.net). For information on Vantage support options available, and for other ways to contact support, please refer to the Telestream Vantage Support location on our website at <http://www.telestream.net/telestreamsupport/vantage/support.htm>

**Note that if you are running Vantage on a Lightspeed server that is end-of-support** (see this link: <https://www.telestream.net/download-files/vantage/announcements/Lightspeed-EOL-Matrix.pdf>) you should be cautious about upgrading Vantage on that machine as it is possible that certain functions, including GPU acceleration, may cease to function.

**Note that this release, upon installation, enforces high-core count Vantage license restrictions.** Vantage releases now enforce new high-core count Vantage license restrictions for non-Lightspeed hardware. If your hardware has more than 64 physical cores and if you see a warning message when installation of this release is initiated, please **stop the install and contact Telestream Support for additional information**. Core count licenses are enforced as follows: 64 or fewer cores: No restrictions; 65 or more cores: Requires Unlimited Core License, which must be purchased – contact Support for more information.

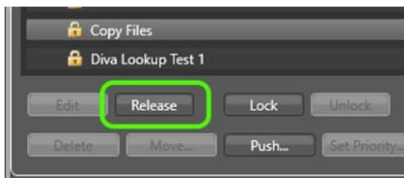
## Locked Workflows After Upgrading to 8.2 from a version prior to 8.1 UP5

When upgrading from a version prior to 8.1UP5 you will notice that your workflows are in a locked state:



The workflows are still active and running.

If you need to edit a workflow you will need to release the workflow first before you can edit it. (You can use the batch feature to release multiple workflows at once.)



The workflows will not be modified when releasing the workflow.

## Recreate Machine-based Task Rules

If the Vantage domain has Task Based Load Balancing enabled, any rules associated with a specific machine must be recreated in the Vantage Management Console under Task Rules -> Task Capacity Manager -> Machines after upgrading to Vantage 8.2. Please take note of the current Task Rules in the Vantage Management Console before installing this update pack.

## Items of Note in this Release

### Rollup of all 8.1 Update Packs

This release of Vantage rolls all the previous 8.1 update packs into a single installer. If you are moving from version 8.1 to this release, you do not need to install previous update packs.

### Change to SQL Server 2022 Express Installer

This release of Vantage incorporates SQL Server 2022 Express as part of the installer for default installations. Choosing to have Vantage install SQL as part of a clean installation will now use SQL Server 2022 Express.

### Change to DIVA connector for DIVA 9 API changes (not backwards compatible)

This release of Vantage has been updated to use the new DIVA 9 API. The DIVA connector is not backwards compatible and customers should contact support regarding upgrading both systems in parallel.

### New Vantage Cloud Designer Install Option

This release provides a new installation option for Vantage for installing on Windows 10 or 11 Desktop systems to enable the creation of workflows for use in Vantage Cloud independent of a licensed Vantage environment. Workflows can be created and synchronized with a Vantage Cloud account but cannot be activated for local operations.

### New Features or Product Changes of Note:

(Note that some new features require purchase of optional products, and some features require a certain level of Vantage Transcode or other enablement.)

<b>GIR-19804</b>	Update Vantage to work with the DIVA 9 API.
<b>GIR-19647</b>	Workflow Designer: Add ability to sort workflows by Locked / Unlocked State in Batch Workflow Operations window
<b>GIR-19583</b>	Compute Action now supports a "test" function
<b>GIR-19468</b>	Add retry settings to Baton connector
<b>GIR-19793</b>	HTTP Notifier now supports string entry and bindable variables for the Encoding Type field
<b>GIR-19778</b>	Extract can now run in Open mode.
<b>GIR-19712</b>	Add the ability for the Notify->Invoke plugin to run in the open mode.
<b>GIR-19691</b>	Add support for Metadata Labels in the Notify->Invoke plugin
<b>GIR-19667</b>	The Workorder action and Compute->Convert action now support populating the Priority variable.
<b>GIR-19666</b>	"Create New Variable" dialog option checkboxes are now defaulted based on the Parameter being bound
<b>GIR-19452</b>	Increase Avid Service's Maximum Service Limit
<b>GIR-18750</b>	Vantage Cloud Extract – support added for external URLs in the 'file name' input
<b>GIR-18632</b>	Replace AJAX calls in web portal with sendbeacon calls
<b>GIR-19752</b>	Add ability to jump from action in Job Status to the same action in Workflow Design
<b>GIR-19718</b>	Cloud Mode: New Programmatic Mode for action settings
<b>GIR-19641</b>	Ability to import workflows via presigned URL
<b>GIR-19634</b>	Add feature to Telestream Cloud Qualify to return PDF report.
<b>GIR-18481</b>	Make 'CML-Lite' cloud capable for Multiscreen and IPTV



## Bugs Corrected in This Release

<b>GIR-19629</b>	Automated Live Store cleanup stops working when a locked file is encountered.
<b>GIR-19475</b>	Archive action fails to create TAR if target directory is the same as source directory of an upstream Gather action
<b>GIR-18794</b>	Aspera Enterprise is not working in closed mode on new versions of Aspera Enterprise server 3.9 and above.
<b>GIR-18797</b>	Kantar attachment file outputs are not present in the Binder when the job is executed in Cloud Mode
<b>GIR-18845</b>	When transcoding to a format involving multiple output files using cloud mode, the wrong primary file name is indicated.
<b>GIR-19015</b>	Flip64 MXF AS02 Cloud Mode – output directory structure is not preserved by Transport actions downstream
<b>GIR-19048</b>	Message -> Email action failed to treat selected Attachments as expected items
<b>GIR-19051</b>	Syndication Forward: CML files are not deleted when a target workflow job expires
<b>GIR-19138</b>	Object reference error is encountered when upgrading a Dublist action
<b>GIR-19239</b>	Actions can get in a state where multiple items have the same internal reference after an upgrade
<b>GIR-19671</b>	Jobs may wait indefinitely if the main transaction does not finish, even if all the actions are complete.
<b>GIR-19825</b>	Deploy actions cause an error with Base Name Filename Pattern if Base Name includes invalid characters.
<b>GIR-19697</b>	Problem delivering to S3 location when a subfolder is specified as the target location
<b>GIR-19847</b>	Batch Workflow Operations hangs when processing many workflows at the same time
<b>GIR-19871</b>	Workflow Designer: Single left clicking a workflow in Edit Mode does not trigger a rename of the workflow

## Known Issues in This Release

*The following are known issues in this release, which may be fixed in a future Vantage or Vantage component release.*

GIR-15710 - Vantage Watch actions with "Active Days" enabled may incorrectly be reported as "Inactive".

GIR-16053 - AsperaOpen - If an Aspera Open process is ended in Task Manager, it will not re-instantiate, and the Copy Action will not report an error.

GIR-16136 - An ActiveScale Amazon S3 deploy can return "Error closing the file on the S3 host" error when the source name contains special characters.

GIR-16213 - The Google Cloud Storage monitor status can remain "Online" after the Network Interface Card (NIC) of the Vantage server is disabled.

GIR-16456 - AsperaOpen - "Resume Timeout" works correctly when sending files but fails when pulling files via Watch->Copy workflows.

GIR-16457 - AsperaOpen - Pulling files from the Aspera Server via Manual Submit completes prematurely when the Network Interface Card (NIC) of the Aspera Server is momentarily disabled. Sending files to the Aspera Server is not affected.

GIR-16475 - AsperaOpen - Error message that is displayed when an AsperaOpen copy fails due to a licensing issue is unclear. The error Detail/Last Error: Error: An error occurred during execution of the Transport Task: com.asperasoftware.faspstream.FaspStreamException: ascp4 has failed to initialize... should be: Detail/Last Error: Error: GetNode request failed: 500: Internal Server Error: Invalid server configuration: License issue

GIR-17986 - Vantage Update Packs and Patches are not applied correctly to WebApps + ClientApps only systems. The workaround is to use the Vantage installer to install the Monitor Service, then disable that service. This allows for the Monitor Vocabulary to be associated with the Vantage MSI, meaning the Patch is applied correctly.

GIR-19135 – Vantage Store Clean Up – It is possible for an output file to be removed from the Vantage store when the jobs referencing it are deleted but a Catalog still has a Binder that references the file. It is also possible for a file to remain in the Vantage store location indefinitely even after both the jobs referencing it are deleted and any Binders referencing the media are removed from the Catalogs.

GIR-19474 – Files with spaces as the first character will fail in Cloud Port – Files submitted to Vantage that contain a space as the first character in the filename will fail actions placed in Cloud Mode.

GIR-19607 – Special characters cannot be handled when watched on an SFTP connection – Certain special characters (ie, é, è, ô, ç, ë) are interpreted differently in Vantage's SFTP connector.

GIR-19661 – Open Copy Workflows: When the workflow is stopped, sometimes the output of the Copy remains in the output folder.

GIR-19693 – WebApps Active Directory Group permissions – Active Directory Group permissions for Job Status Views do not show the correct views when using WebApps with multiple Vantage Domains. A single WebApps installation should not be used with multiple Vantage Domains in this case.

GIR-19716 – Notify: HTTP Notifier does not retry on all failures – In some cases the Notify Action will fail but the retry does not occur.

GIR-19762 – Flip64: Upgraded actions show duplicate audio language settings – When upgrading a Flip64 action and adding an audio track after the upgrade, audio language settings are displayed twice.

GIR-19796 – During Monitor Service failover files may be resubmitted if “Process Existing Files” is enabled – During failover of the Monitor Service between servers in a multi-node environment, the Monitor will resubmit files for actions configured with the “Process Existing Files” option.

GIR-19827 – Ok Files can cause an Associate Action to not honor the “Stop looking after” rule – Ok files are not found by the Associate Action, which is the correct behavior. However, the same Ok files can cause the Associate Action to not honor the “Stop Looking After” rule, thereby causing the Action to remain active and using a session.

GIR-19828 – Pressing Enter activates Search button on Vantage WebApps – In the Select Vantage Domain dialog when logging into Vantage WebApps, users are able to select Advanced to manually enter Domain connection information. If the user presses the Enter key while on this dialog, the buttons on the page will grey out as though Search has been selected. A refresh of the page is required to be able to interact with the dialog box.

GIR-19829 – Users see stale data when changing Domains in WebApps – When using a single WebApps interface to connect to multiple Vantage Domains, users may see old data after changing Domains. Its is not currently recommended to use a single WebApps with multiple Vantage Domains.