Vantage
Application Note

Installing and Using FileCatalyst with Vantage

This App Note applies to Vantage Versions 6.2 to 7.1 & later

Note: This guide is written for video professionals who are familiar with using Vantage. To implement applications in Vantage, you should know how to create workflows and submit jobs. If you aren't familiar with Vantage, we suggest that you review the *Vantage User's Guide* and *Vantage Domain Management Guide* as needed.

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Synopsis

FileCatalyst is a software-only file transfer solution that provides secure and reliable delivery of files much faster than FTP. The FileCatalyst protocol creates a connection that operates even in poor network conditions. Users may send and receive files across the globe at full line speed, up to 10 Gbps and 1000 times faster than FTP.

Telestream has integrated the File*Catalyst* transport technology directly into Vantage to enable automated high-speed transfer of files processed through any Vantage workflow, including media and metadata files. Vantage interfaces with File*Catalyst* via an optional Vantage File*Catalyst* service and workflow delivery action. Using the Vantage File*Catalyst* action within your Vantage workflows enables the automated delivery of media and associated files directly to the File*Catalyst* servers you specify.

Requirements

These are the requirements for Vantage and File*Catalyst*:

- Java Runtime Environment (JRE) 6 or higher must be installed on both the Vantage server and the File*Catalyst* server.

  If a Java Runtime Environment (JRE) 6 or higher is not installed on the Vantage system running the Vantage FileCatalyst service, the FileCatalyst delivery action will fail and this error message will be displayed:

  "Detail/Last Error: Error: A fatal error has occurred with the agent (process id = 3484), message: An error occurred during the agent execution: Transfer Error."

  JRE installers can be downloaded from http://java.com/en/download/index.jsp.

- A Vantage version between 6.2 and 7.1 or later with the File*Catalyst* service and license installed.

- Access to a File*Catalyst* server (v3.2 or later) with valid account user name and password.

Important Note: Jobs submitted directly to a third party application, or from other systems not within Vantage management control can cause an undesirable workflow delays due to lack of available third party resources or available licenses. Best practices when using Vantage with third party application services is to limit the use of the third party application service to Vantage alone. This will prevent processing delays caused by resources being consumed by processes not under Vantage management control.

Integration with Vantage

File*Catalyst* integration is available in Vantage 6.2 to 7.1 or later. Follow these steps to enable File*Catalyst* on your Vantage system:
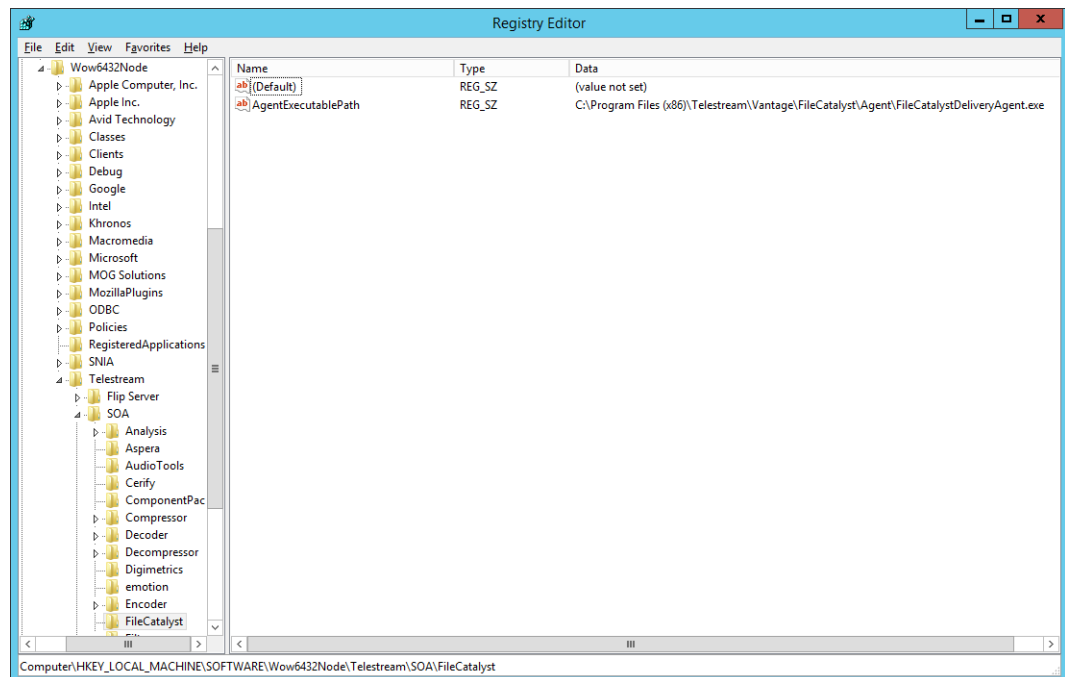
1. If it is not already installed, install and configure Vantage on the designated Vantage sever(s). The File*Catalyst* service will be installed automatically, but it's a good idea to ensure that FileCatalyst is checked for installation in the installer dialog during the installation process.

2. Apply a Vantage license that includes the File*Catalyst* service. If you do not already have a license that includes File*Catalyst*, you can get a license from www.telestream.net. (For license and other installation details, see the Vantage Domain Management Guide.)

3. Verify that JRE 6 or higher is installed on both the Vantage and File*Catalyst* servers.

4. Ensure that Vantage can write files to the File*Catalyst* server in the desired directory locations.

After you install and configure both Vantage and File*Catalyst*, you're ready to build a workflow and set up the File*Catalyst* action inspector in Vantage.

Integration Troubleshooting

If you installed Vantage 7.1 on top of Vantage 7.0 without uninstalling Vantage 7.0 first, third party services may get stuck in maintenance mode or may not function at all. To correct this issue, the following registry setting(s) must be applied to the server hosting the corresponding third party Vantage service(s). After a registry setting is applied, the corresponding service must be restarted.

- Create the Key Name:
  HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Telestream\SOA\FileCatalyst

- Create the String Value:
  "AgentExecutablePath"="C:\\Program Files (x86)\\Telestream\\Vantage\\FileCata-lyst\\Agent\\FileCatalystDeliveryAgent.exe"

- Create the Data value:
  C:\Program Files (x86)\Telestream\Vantage\FileCatalyst\Agent\FileCatalystDelivery-Agent.exe

Telestream Support can help you with this procedure if you are unfamiliar with editing the registry. See *Telestream Support* later in this document for contact information.

Example Workflow

The following workflow example includes a File*Catalyst* delivery action as the final step. The portion of the workflow prior to the File*Catalyst* action can include any other actions or functions, such as a watch and transcode.
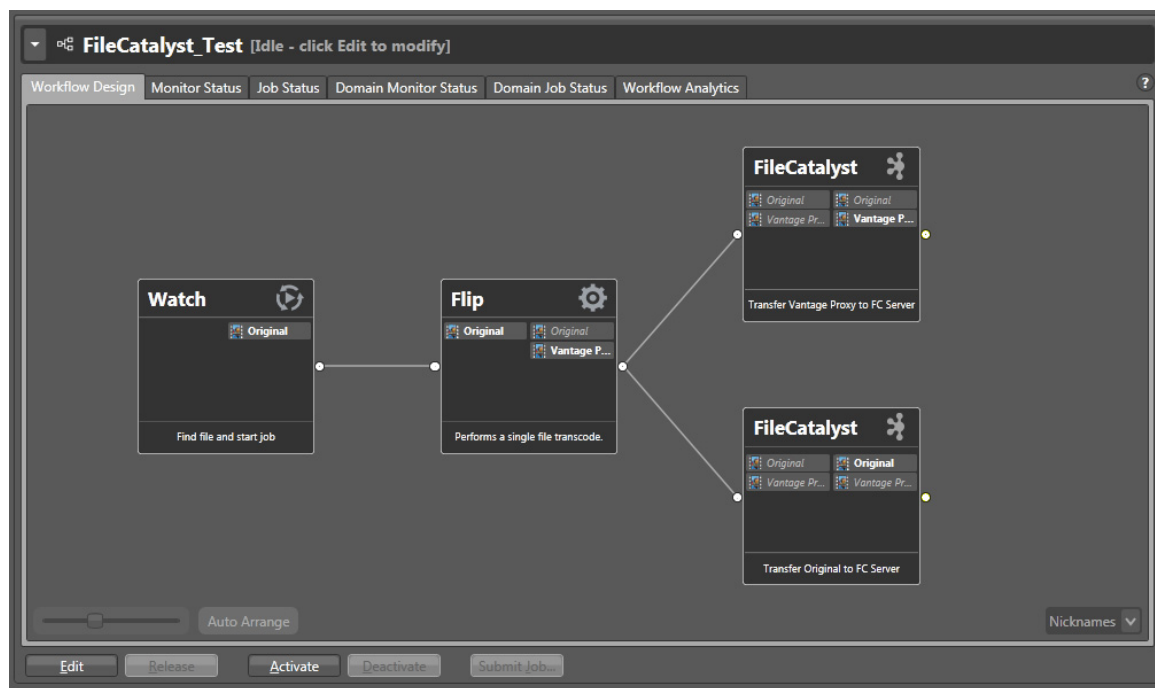
The File*Catalyst* action delivers a selected output to a File*Catalyst* server using the parameters entered in the Vantage File*Catalyst* action inspector. Delivery to the server requires typing the exact information requested in the inspector—see the preceding topic, *Configuring FileCatalyst Actions,* for details.

Note that a single File*Catalyst* action can deliver only one file to one location; a single action cannot deliver the same file to multiple file names or locations. If you need to deliver multiple instances of a file, you can do it by adding multiple File*Catalyst* actions to the workflow. Then within each File*Catalyst* action you can use the same media input file and specify a different Remote Directory to receive each file instance.

Alternatively, you can design your workflow to supply a different file name to the input of each File*Catalyst* action, which will deliver different file names to the File*Catalyst* server, each one to the same or different Remote Directories.

Up to four File*Catalyst* jobs can run concurrently per license; any additional concurrent jobs will be queued. With additional licenses, the number of concurrent jobs can be increased (for example, 2 licenses allow up to 8 concurrent jobs).

Figure 1. Example FileCatalyst Workflow

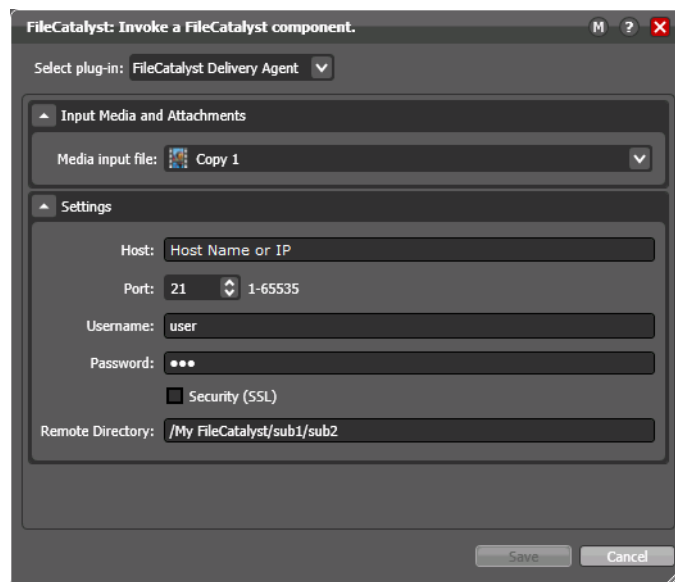In the preceding figure, the following operations occur:

1. A Watch action monitors a folder location for files matching specified parameters. When a file is detected, it is marked with the nickname *Original*.

2. A Flip action transcodes the *Original* media file to a Quicktime H.264 file nicknamed *Vantage Proxy*.

3. File*Catalyst* actions deliver both the *Original* and *Vantage Proxy* media files to separate locations on the File*Catalyst* server.

Once you have a workflow in place, you are ready to configure the File*Catalyst* actions.

Configuring File*Catalyst* Actions

1. Follow these steps to configure the File*Catalyst* action:

2. Create a workflow as explained in *Example Workflow*.

3. Click and drag the File*Catalyst* action into the workflow, typically as the last step in the workflow.

4. Click the "i" in the upper left corner of the action to open the Inspector.

Figure 2. Example **FileCatalyst** Inspector.

5. Use the *Select plug-in* drop-down menu to select the FileCatalyst Delivery Agent plug-in.

6. In the Input Media and Attachments panel use the drop-down menu to select a Media input file to be delivered to the File*Catalyst* server.

7. In the Settings panel, enter the host name or IP address of the File*Catalyst* server where you want the media input file delivered. Note that the File*Catalyst* Server Remote Admin software requires you to specify access by IP *or* host hame. You can then use only the chosen method (IP *or* host name) to connect to the server. Be sure

to use the method you selected when entering data in the File*Catalyst* Inspector *Host* field.

8. Select the port to use for accessing the File*Catalyst* server. The default is port 21.

9. Enter a valid account Username and Password for the File*Catalyst* server, and click *Next*. The default user is "user" and the default password is "pwd".

10. If you want to encrypt communication with the server to protect your login and data, check the Security (SSL) option.

11. Specify the path of the Remote Directory where you want the file delivered on the server. The default is the root directory (/).

12. Click Save to save and close the action inspector.

Now when the workflow runs, the File*Catalyst* action delivers the file you specified to the File*Catalyst* server in the Remote Directory folder you specified.

Telestream Support

- **Web Site:** http://www.telestream.net/telestream-support/vantage/support.htm

- **Support Email:** support@telestream.net

- Terms and times of support services vary, per the terms of your current service contract with Telestream.

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