

DTStreamFileCreator

User Guide v7



January 21, 2026

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1 Introduction

This manual is for DTStreamFileCreator version 7.x software from Drastic Technologies, Ltd.

1.1 Conventions

This manual assumes the following:

That the user knows how to operate a mouse and keyboard and perform the basic functions of Microsoft Windows, macOS or Linux operating system.

That the user is familiar with the creative software in use.

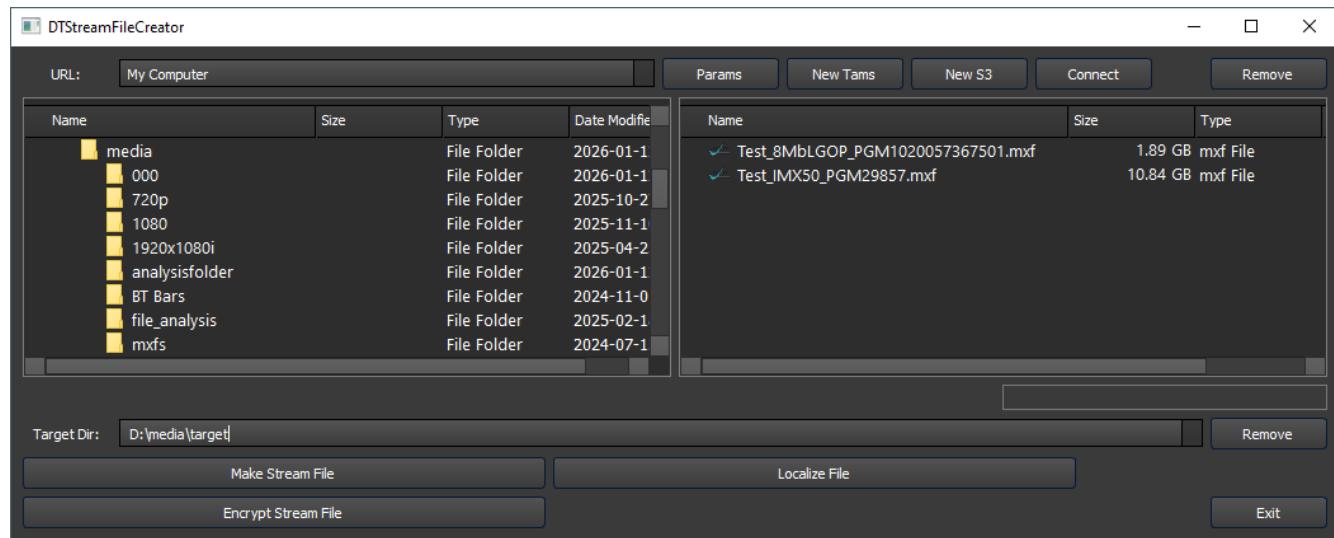
That the user has access to technicians capable of placing the device on the network and setting up any SAN systems if necessary.

The name of a control or display present on the interface will be displayed in **bold** text.

Where a portion of the manual is referred to the name of section mentioned will be displayed in *italics*.

Certain images in this document may have been grayed out where it is useful or necessary to place indicator marks to show specific controls or displays above a darker background.

1.2 About DTStreamFileCreator



DTStreamFileCreator allows you to stream files on your local system directly from S3 storage. It creates URL based access which does not require the media to be downloaded (although you can do that too).

1.3 System Requirements

1.3.1 Recommended Environment

DTStreamFileCreator software must be installed on a system at least as powerful as the configurations listed below.

Minimum Hardware Platform

Post 2000 multi core processor capable of running the host application.

Recommended Hardware Platform

Recommend hardware from the host application vendor. Multi cores and OpenCL, Cuda and shader GPUs will be used if available, but are not absolutely required.

Demo downloads of Drastic software are available for the user to test their application and to confirm their workflow. Faster and more powerful hardware will provide better performance. In some cases, specific hardware will be required in order to enable resource-intensive, advanced or optional features.

2 Setting Up DTStreamFileCreator

2.1 DTStreamFileCreator Workflows

DTStreamFileCreator is installed with the following Drastic products:

2.1.1 MediaReactor Installs

DTStreamFileCreator is installed with MediaReactor Workstation, MediaReactor Lite for Avid, and MediaReactor Lite for Adobe. The MediaReactor plugin lets you access your cloud assets in creative products such as Avid Media Composer and Adobe Premiere Pro, and provides support for various file formats within these editing products.

2.1.2 videoQC Installs

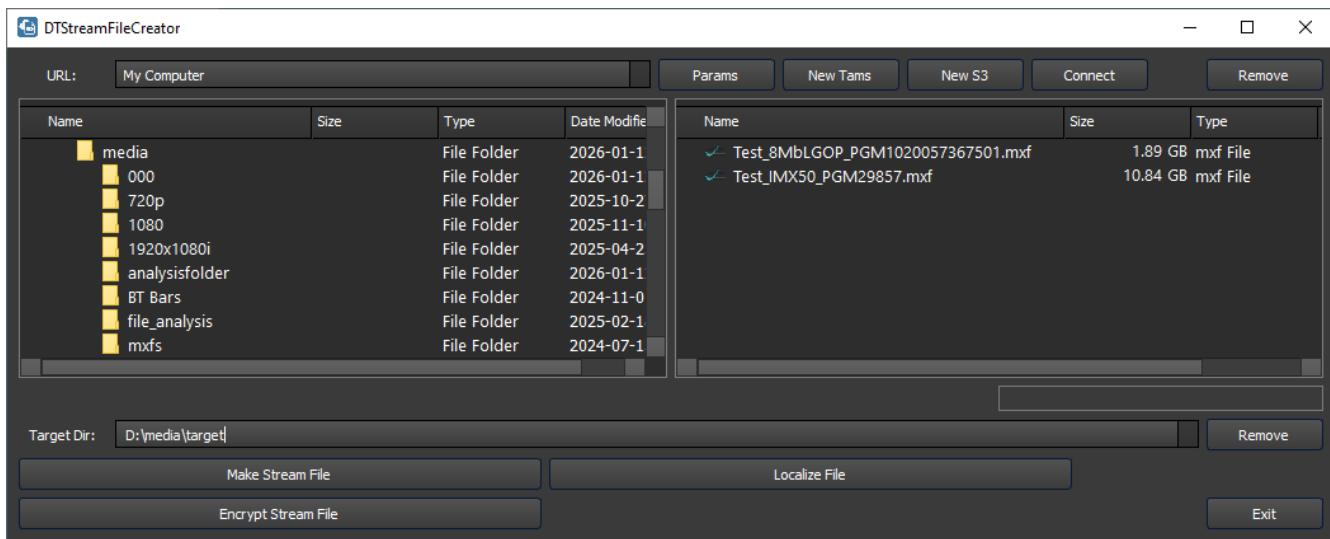
DTStreamFileCreator is installed with videoQC View, Pro, Inspect, and Workstation. With videoQC, you would be able to view/play the files and perform a number of QC operations.

2.1.3 Net-X-Code Server Installs

DTStreamFileCreator is installed with **Net-X-Code Server**. Net-X-Code Server offers a complete solution for input and output, and the **DTStreamFileCreator** provides easy access to your cloud content.

3 Controls and Displays

3.1 DTStreamFileCreator Main GUI



3.1.1 Top Bar



ICO and Application Name – displays the mini image and the application name

DTStreamFileCreator.

Minimize button – click to minimize the application to the toolbar.

3.1.2 IP Details Section



URL: - Once a connection has been made, its URL will be available in this pulldown menu.

Params – opens the **Set Params** window, where a selected S3 bucket's details will be displayed.

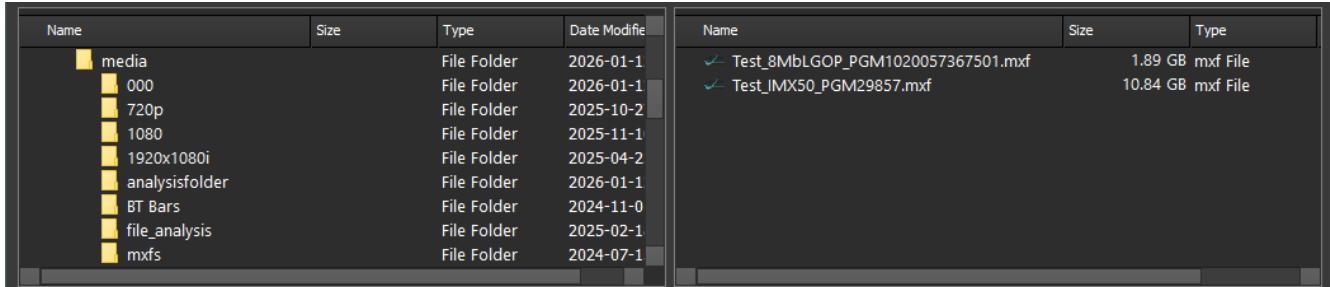
New TAMS – opens the **Add TAMS** window.

New S3 – opens the **Add URL** window.

Connect – will use the details provided and attempt to connect to the indicated URL.

Remove – will remove a selected URL.

3.1.3 Asset Browser Section



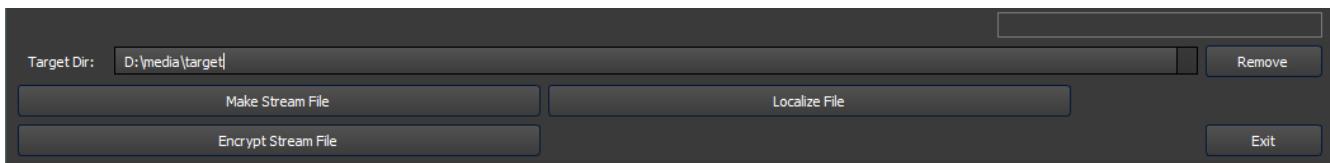
Name	Size	Type	Date Modified
media		File Folder	2026-01-1
000		File Folder	2026-01-1
720p		File Folder	2025-10-2
1080		File Folder	2025-11-1
1920x1080i		File Folder	2025-04-2
analysisfolder		File Folder	2026-01-1
BT Bars		File Folder	2024-11-0
file_analysis		File Folder	2025-02-1
mxfs		File Folder	2024-07-1

Name	Size	Type
✓ Test_8MbLGOP_PGM1020057367501.mxf	1.89 GB	mxf File
✓ Test_IMX50_PGM29857.mxf	10.84 GB	mxf File

Folder Tree Browser – once connected, the folders and subfolders of the assets will be displayed, based on the access provided by the user's credentials. Shows asset details including a selected asset's name, size, type, and date modified.

File Display – once folders are selected, and assets within them are displayed here available for selection. Shows asset details including a selected asset's name, size, type, and date modified.

3.1.4 Local Controls Section



Target Dir: Progress: [] Remove

Make Stream File Localize File Encrypt Stream File Exit

Progress field – displays the status of the connection. Here is an example where various assets have been found successfully.

Count: 83 | Finished

Target Dir: - displays the current directory in which DTStreamFileCreator json files will be saved.

Remove button – click to remove the current Target Directory.

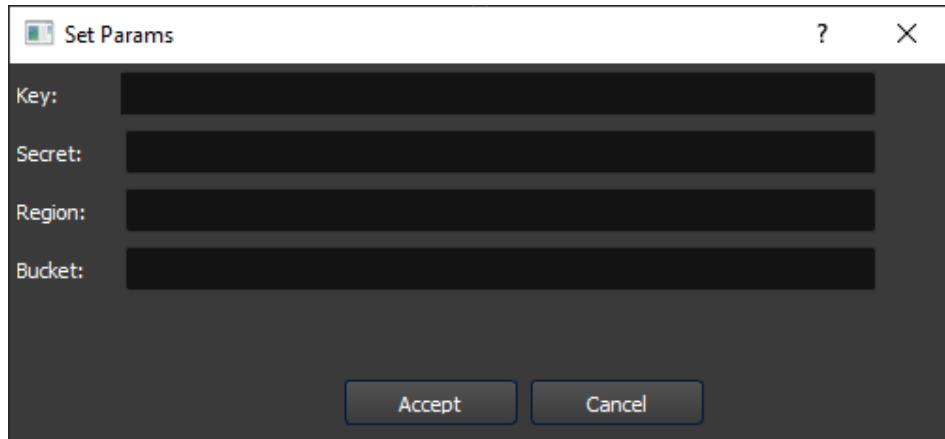
Make Stream File button – click to create a DTStreamFileCreator json file in the selected directory using the supplied details.

Localize File button – click to download the selected file.

Encrypt Stream File button – click to create an encrypted DTStreamFileCreator json file in the selected directory using the supplied details.

Exit button – click to exit DTStreamFileCreator.

3.2 Set Params window



Opened by clicking on the **New S3** button. Used to display access credentials for a selected S3/HTTPS bucket.

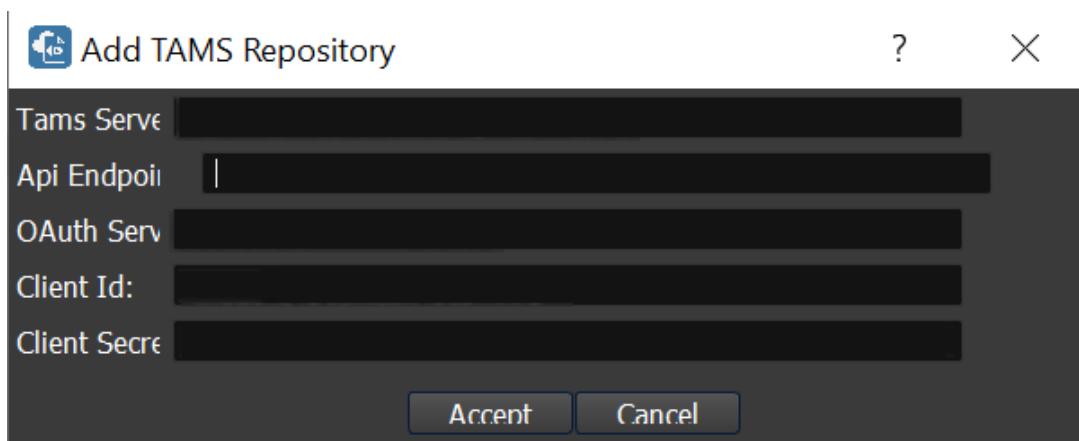
Key field – displays the Key details for a selected media bucket.

Secret field – displays the Secret details for a selected media bucket.

Region field – displays the Region details for a selected media bucket.

Bucket field – displays the Bucket details for a selected media bucket.

3.3 Add TAMS Repository window



Opened by clicking on the **New Tams** button. Used to enter access credentials for a specific TAMS media repository.

Tams Server field – enter Tams Server details here

Api Endpoint field – may be left blank. Defaults to “Prod”.

OAuth Server field – enter OAuth Server details here

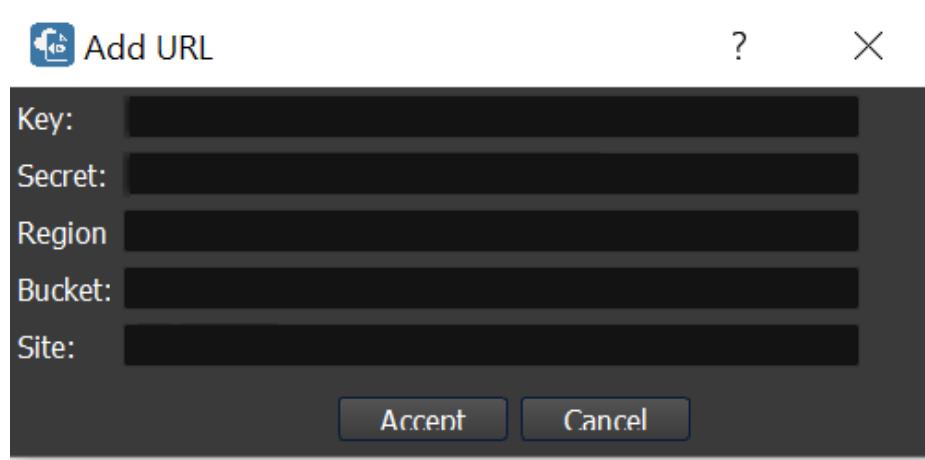
Client ID field – enter Client ID details here

Client Secret field – enter Client Secret details here

Accept button – click to enter the details provided, so that its URL will be available in the URL pulldown menu.

Cancel button – click to cancel out of the operation. Comes in handy if the user is unsure of the credentials and needs to confirm specific details.

3.4 Add URL window



Can be opened by clicking the **New S3** button on the main GUI. Used to enter S3/HTTPS details for access to these cloud assets.

Key field – enter the key

Secret field – enter the secret

Region field – enter the region

Bucket field – enter the bucket

Site field – enter the site URL

Accept button – click to enter the details provided, so that its URL will be available in the URL pulldown menu.

Cancel button – click to cancel out of the operation. Comes in handy if the user is unsure of the credentials and needs to confirm specific details.

4 Actions

DTStreamFileCreator can access cloud assets on S3 storage as well as TAMS media.

Run **DTStreamFileCreator**.

4.1 Specifying IAM Permissions and Roles

Authentication in AWS is mainly handled through AWS Identity and Access Management (IAM) settings.

These may need to be confirmed or revised prior to any attempt to connect to the assets.

1. Sign in to the AWS Management Console and open the IAM console at <https://console.aws.amazon.com/iam/>
2. In the navigation pane, choose **Policies**.
3. In the list of policies, choose the policy associated with your user or group.
4. Choose the **Permissions** tab, and **Edit**.
5. Choose **Visual** then enable Read permissions for S3, then click **Next** and **Save** changes.

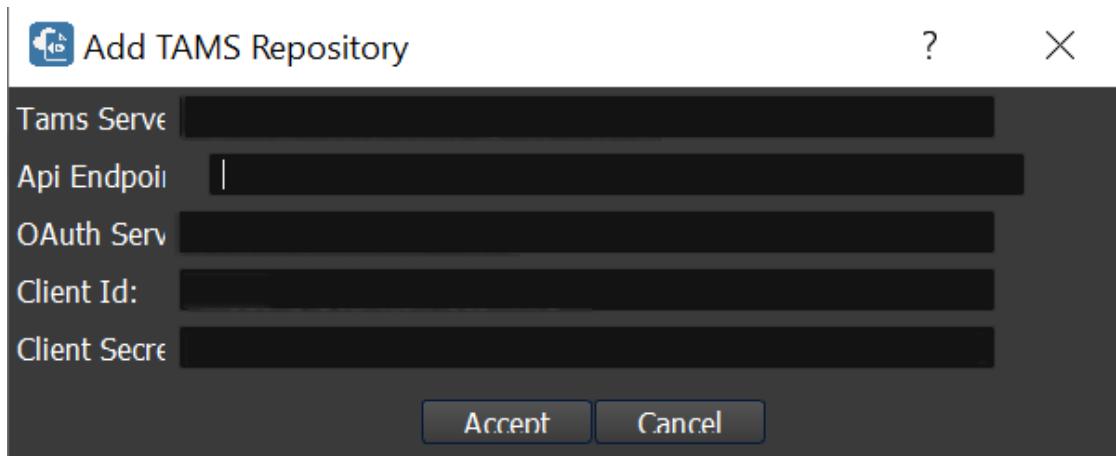
These steps are outlined here in Amazon's docs:

[Edit IAM policies \(console\) - AWS Identity and Access Management](#)

4.2 Access TAMS Assets

Run DTStreamFileCreator.

Click the **New Tams** button. This opens the **Add TAMS Repository** window.



Use the **Tams Server** field to enter Tams Server details

Use the **Api Endpoint** field to enter Api Endpoint details

Use the **OAuth Server** field to enter OAuth Server details

Use the **Client ID** field to enter Client ID details

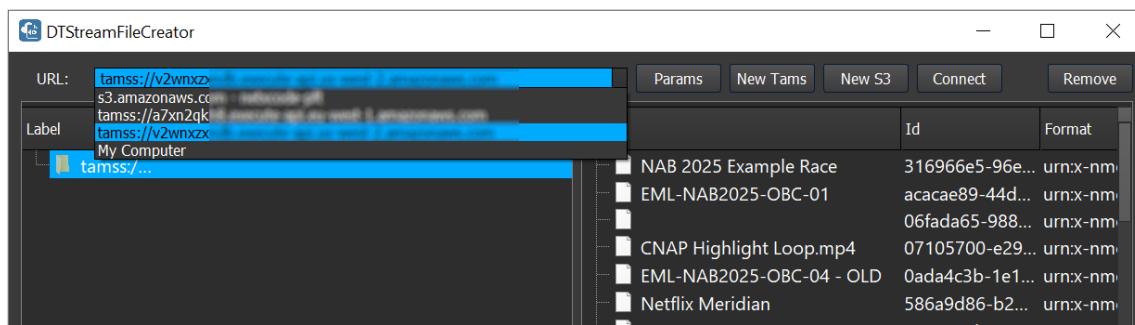
Use the **Client Secret** field to enter Client Secret details

Once the credentials have all been correctly entered, press the **Accept** button to add the URL to the **URL** pulldown menu, available for selection.

Use the **URL** pulldown menu to select the URL for the desired repository.

Press the **Connect** button.

Where the credentials supplied have provided access, the folder and files area will then show the folders and files associated with the assets.

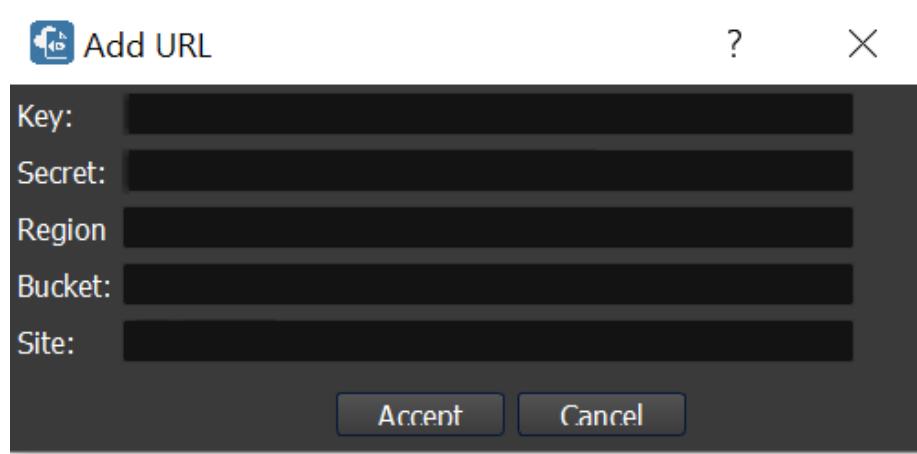


The URL pulldown menu can be used to select between multiple URLs, if they have been set up.

4.3 Access S3 Assets

Run DTStreamFileCreator.

Click the **New S3** button. This opens the **Add URL** window.



Use the **Key** field to enter the key details

Use the **Secret** field to enter the Secret details

Use the **Region** field to enter the Region details

Use the **Bucket** field to enter the Bucket details

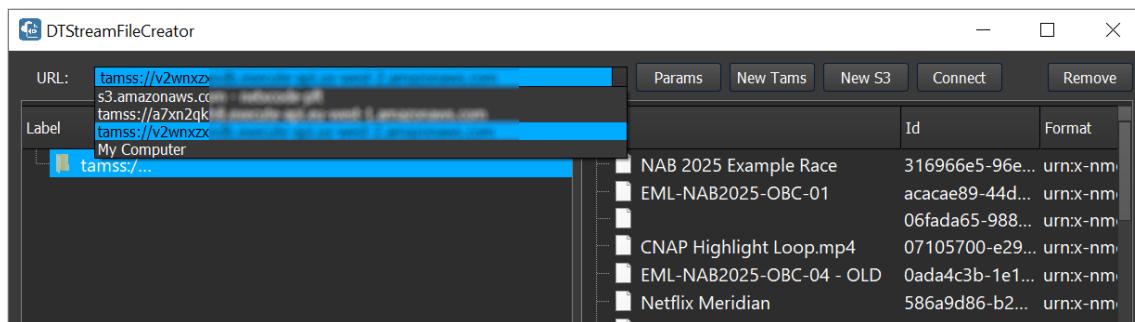
Use the **Site** field to enter the Site details

Once the credentials have all been correctly entered, press the **Accept** button to add the URL to the **URL** pulldown menu, available for selection.

Use the **URL** pulldown menu to select the URL for the desired repository.

Press the **Connect** button.

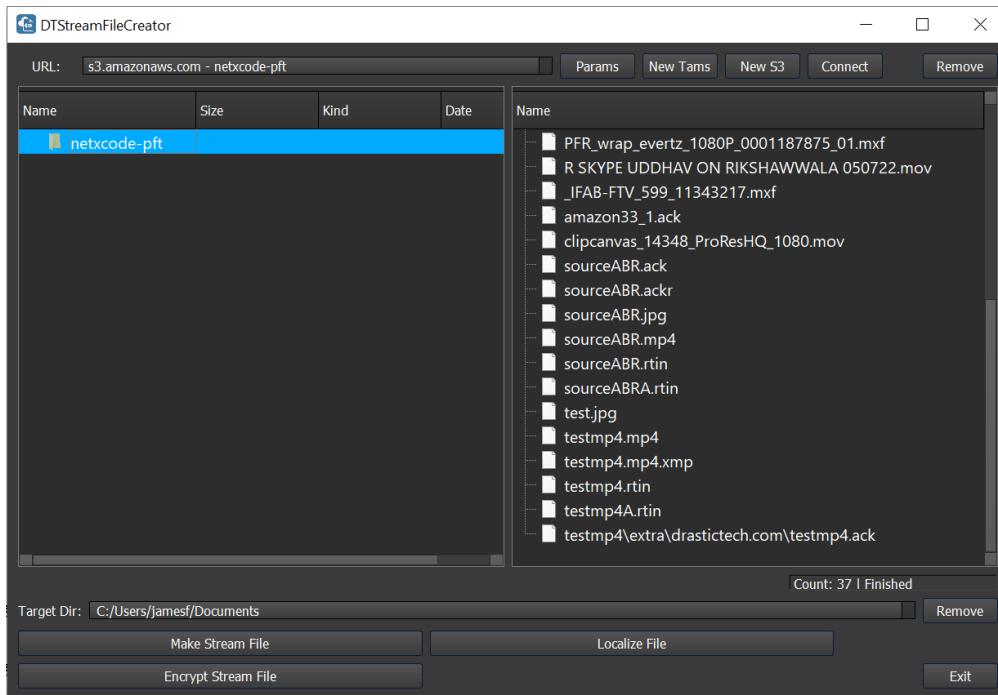
Where the credentials supplied have provided access, the folder and files area will then show the folders and files associated with the assets.



The URL pulldown menu can be used to select between multiple URLs, if they have been set up.

4.4 Make Files Available

Once a valid bucket or repository has been accessed, its folders and files will show up in DTStreamFileCreator.



Selecting an Asset or folder lets you perform one of three actions.

- You can create a DTStreamFileCreator json file, which can then be imported into Avid or Adobe to access the media.
- You can “localize” a file, or download it for local use.
- You can create an encrypted DTStreamFileCreator file, which can then be imported into Avid or Adobe to access the media.

4.4.1 Make Stream File

With a URL selected, click the **Make Stream File** button. This creates a DTStreamFileCreator json file in the Target Directory, which can then be imported into Avid or Adobe to access the media.

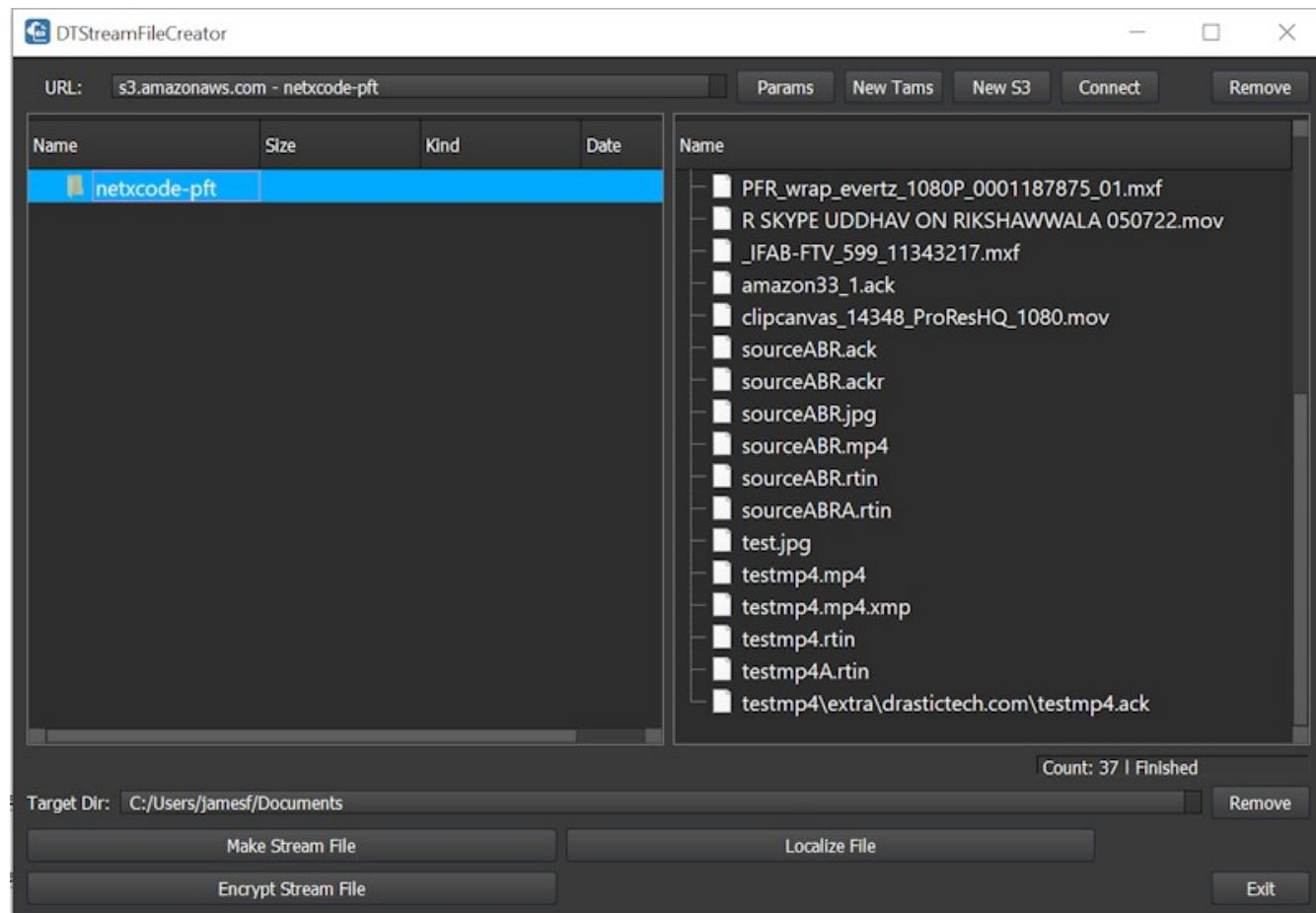
4.4.2 Localize File

With a file selected click the **Localize File** button to download a copy of the selected file. This option may be useful for example to download proxy files for review or similar.

4.4.3 Encrypt Stream File

With a URL selected, click the **Encrypt Stream File** button. This creates an encrypted DTStreamFileCreator json file in the Target Directory, which can then be imported into Avid or Adobe to access the media.

You can then select your specified URL from the pulldown. On pressing the **Connect** button, **DTStreamFileCreator** will display your S3 folder structure in the window on the left side of the GUI. Clicking on a folder will display its assets in the window on the right.



The assets can be viewed by players like our videoQC or VideoLAN. Editors such as Adobe can also use the MediaReactor plugin to view these streams directly. Net-X-Code Server can perform advanced ingest/transcode/output operations on these assets.

4.5 Using the DTStreamFileCreator json File

Pressing the **Make Stream File** button creates a json file from the selected asset. You can then:

Use the **MediaReactor Lite for Avid** plugin to edit selected files in Avid Media Composer software

Use the **MediaReactor Lite for Adobe** plugin to edit selected files in Adobe Premiere Pro, After Effects, and Media Encoder software

Use **videoQC View** software to view the streams for quick visual confirmation.

Use **videoQC Pro**, **Inspect**, or **Workstation** to perform increasing levels of quality control and assurance operations on the selected assets, including analysis, reports, waveform/vectorscope, display modes, and other features

Use **Net-X-Code Server** to access the assets for ingest, transcode, output, and much more. **Net-X-Code Server** provides a complete content I/O solution for the enterprise.

Pressing the **Encrypt Stream File** creates an encrypted streaming file from the selected assets. The same operations above can be performed on encrypted files.

You can use **DTStreamFileCreator** to download an MP4 of your file locally if it makes sense for your workflow. With a file selected, pressing the **Localize File** button begins a download.

You can use **DTStreamFileCreator** to download a section of a file, using time code based in and out points.

The **Remove** button exists so you can clean up old URLs that are no longer needed.

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