

## Importing

You can now import files from external locations directly into your Spark™ Environment without ever leaving FireBridge™! This functionality is integrated into Replay Playlisting as well as Clip, Still, and Audio Stores. Currently, we only support importing from AWS S3 Buckets.

## Configuring an S3 bucket

Before starting, ensure that any S3 buckets you want to use have a properly configured bucket policy granting access to the appropriate actions on both the bucket and its objects.

Use the table below to determine which permissions you'll need:

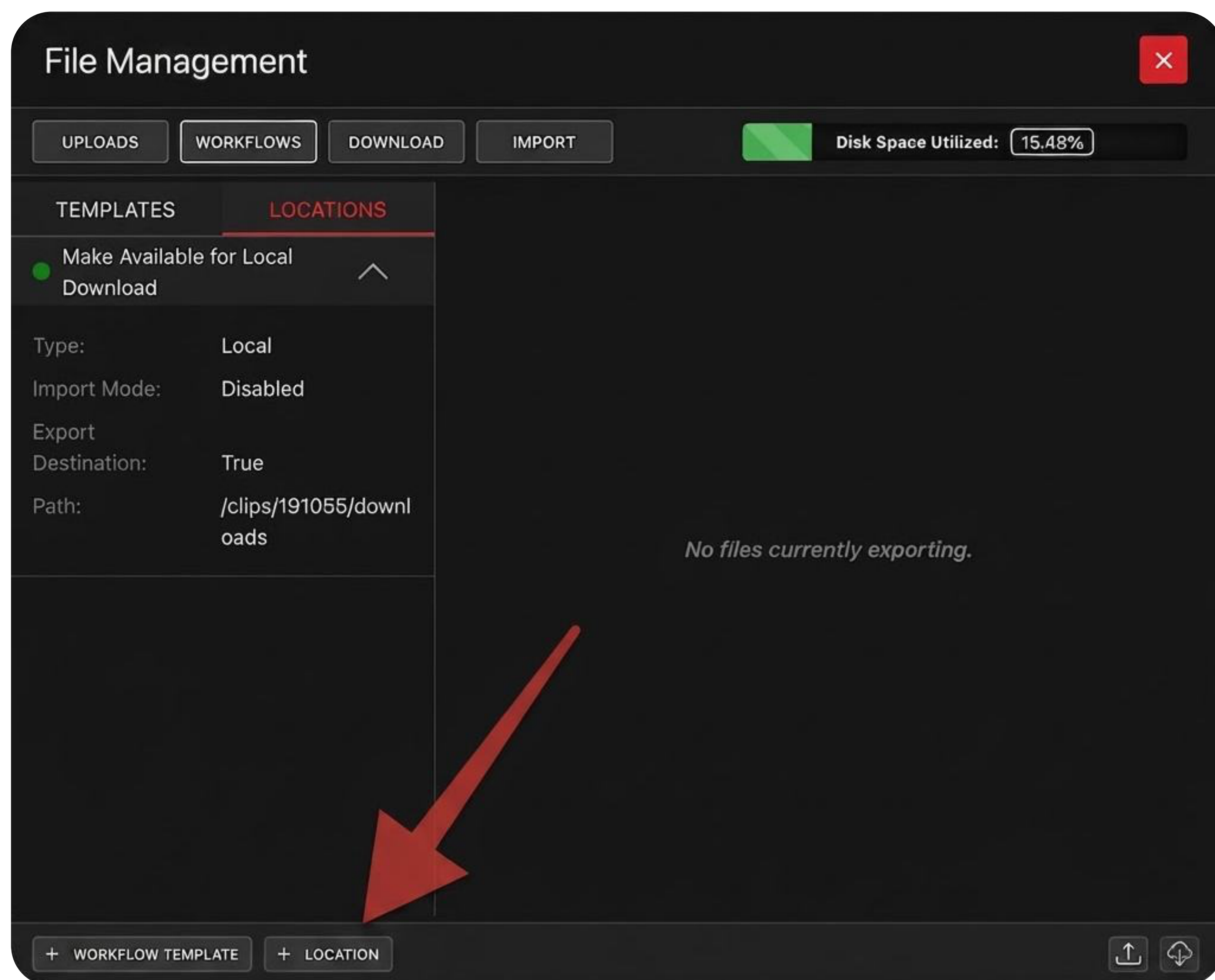
| Permission   | Required For                                               |
|--------------|------------------------------------------------------------|
| ListBucket   | Both Import and Export                                     |
| PutObject    | Export                                                     |
| GetObject    | Import                                                     |
| DeleteObject | Import (if <b>Delete After Import Enabled</b> on Location) |

Here is an example of a bucket policy configured for full compatibility with all features:

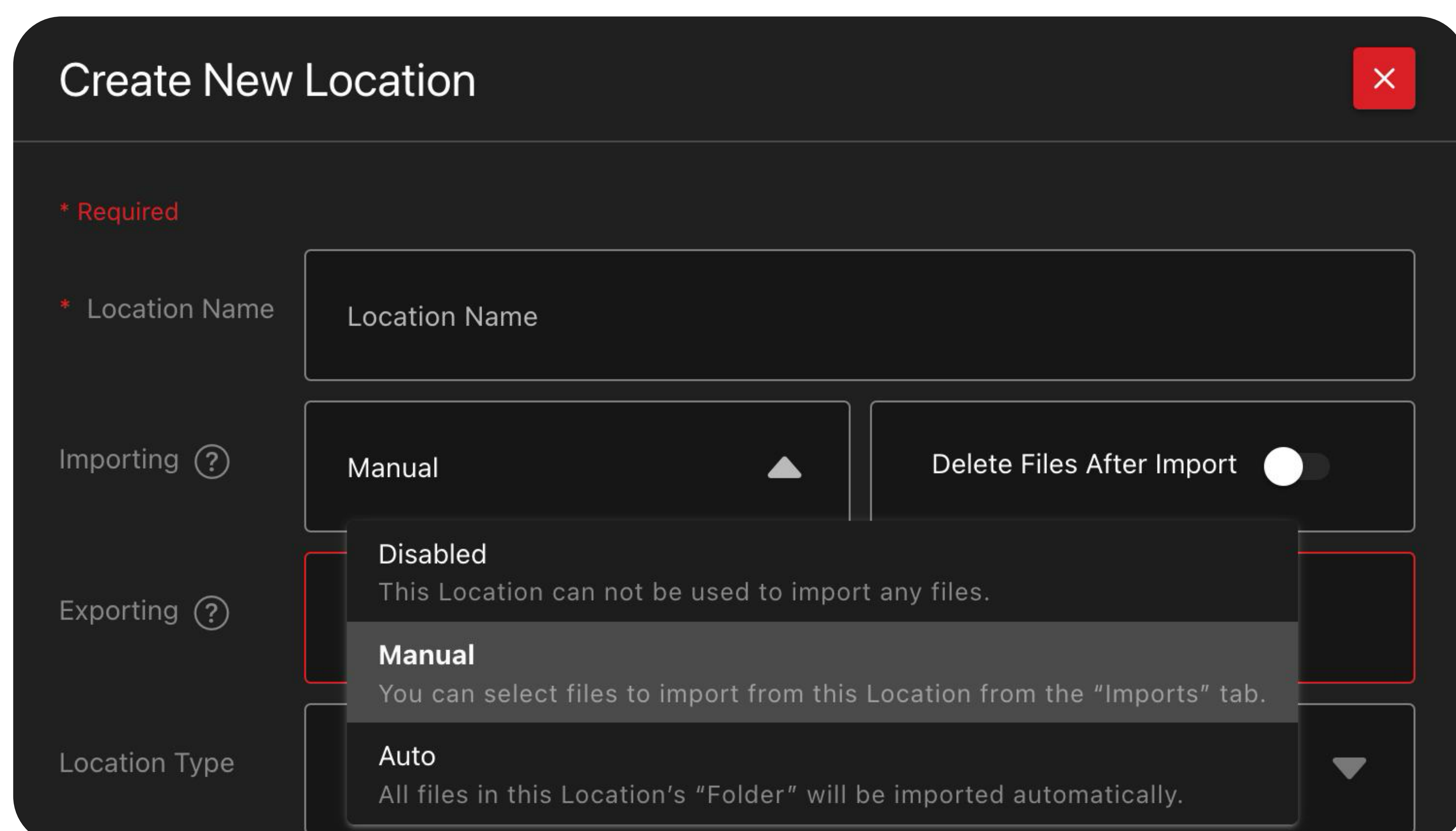
```
JSON
{
  "Version" : "2012-10-17",
  "Statement" : [
    {
      "Sid" : "VisualEditor0",
      "Effect" : "Allow",
      "Action" : [
        "s3:PutObject",
        "s3:GetObject",
        "s3>DeleteObject",
        "s3:ListBucket"
      ],
      "Resource" : [
        // apply to the bucket
        "arn:aws:s3:::fake-bucket",
        // apply to all objects in the bucket
        "arn:aws:s3:::fake-bucket/*"
      ]
    }
  ]
}
```

### Creating a location

In either Replay Playlisting or a Media Store, locate the folder icon  in the bottom right corner to open the **File Management Modal**. Once the File Management Modal is open, select the **Workflows** tab and click the **+ Location** button.



You will have to select one of three values for Import Mode: Disabled, Manual, or Auto.



**Note:** Locations on pre-existing environments will have **Import Mode** set to **Disabled**

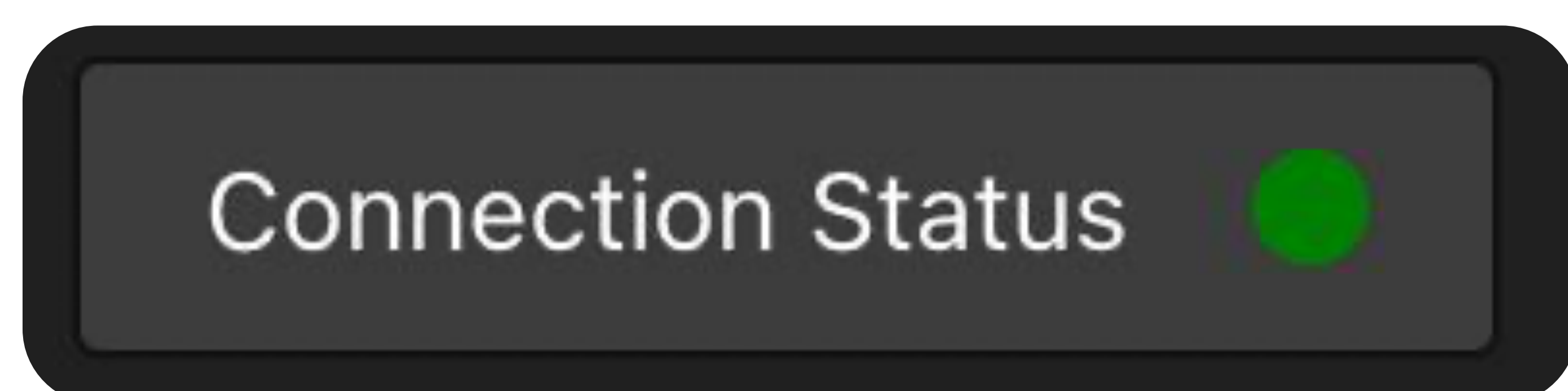
**Disabled:** The Location cannot be used as a source for imports of any kind.

**Manual:** You will be able to choose which files you want to import from the **Import** tab of the **File Management Modal**. All files located in the Location's configured folder **and** its subfolders are available for import.

**Example:** If the configured folder is **/assets**, files from **/assets/adbreaks/** are also available for import.

**Auto:** All of the files in the Location's configured folder are automatically imported once the Location has been created and a connection is established.

Fill in the rest of the Location's information. You will be able to tell if your credentials are configured properly when the **Connection Status** light turns green.

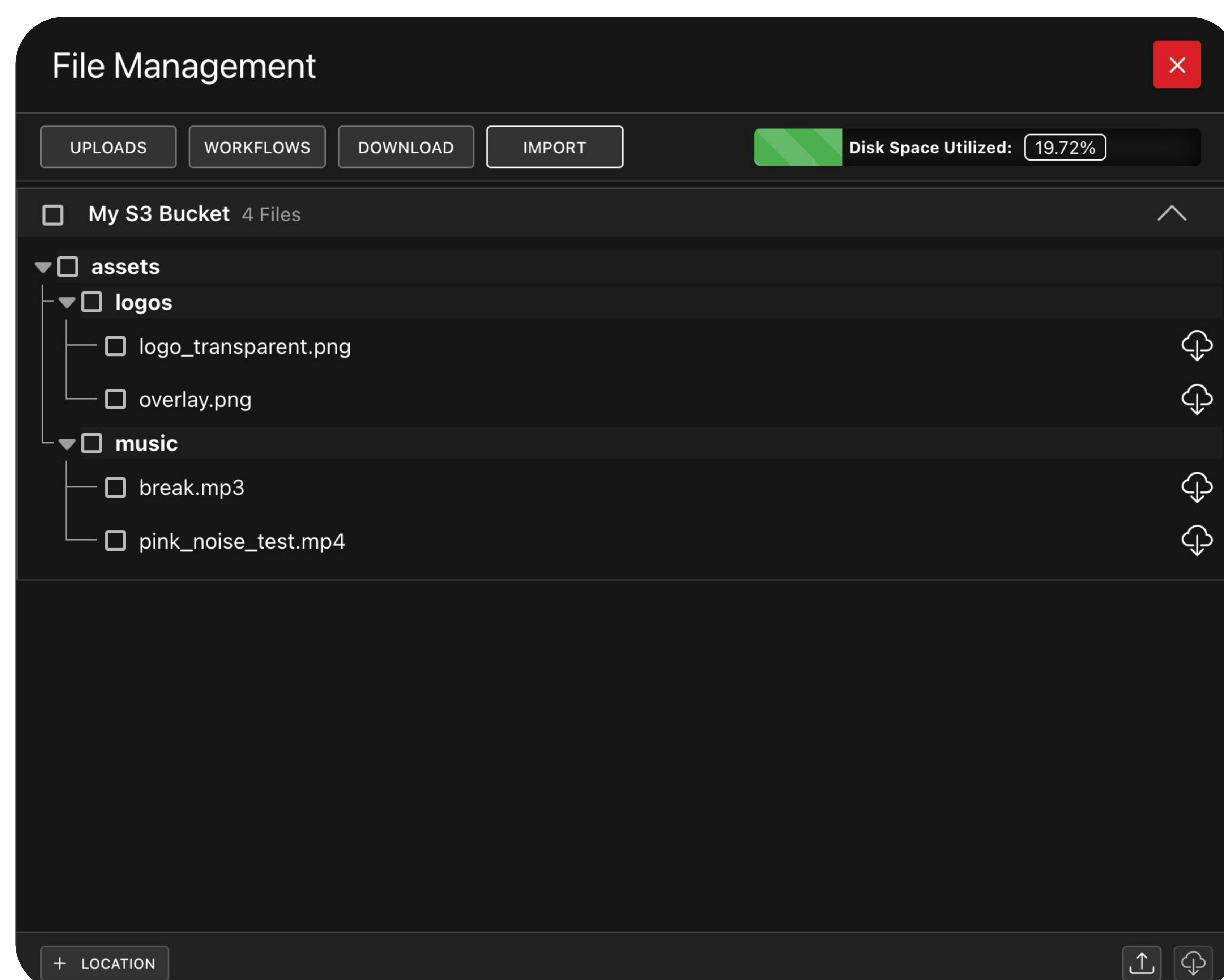


**Note:** The Connection Status light does not indicate Get, Put, or Delete permissions with the bucket. It only ensures the bucket exists and that the configured credentials have access to it.

## Manual Import Mode

While a Location is configured with **Manual** Import Mode, you will have to select files for import in the **Import** tab of the **File Management Modal**. Once you have created and successfully connected to the Location files will appear in this tab.

Click the cloud icon to import the file. Once selected, it will no longer appear under the Location. Before the transfer begins, the Clip is shown in orange with a question mark icon, indicating the system has detected the Clip but has not yet transferred the file. This state should last only a few seconds.



When the import starts, the question mark disappears and the Clip text turns white. You can monitor all manual and automatic imports from the Workflows tab. If you delete the Clip, it will reappear under the Location in the Import tab and can be imported again.



## Automatic Import Mode

Locations configured with **Auto** Import Mode automatically import files after the Location has been successfully created and connected. While the Import Mode is set to **Auto**, any new files added to the configured folder are imported automatically as they are detected.

Make sure to disable **Auto** Import Mode if you export to this Location. Any exported files will get imported back into your Spark™ Environment!