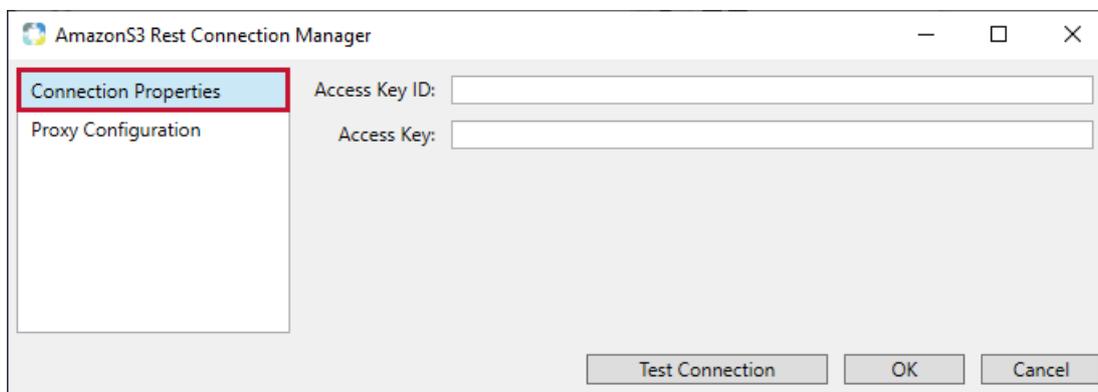# Task Factory Amazon

Last Modified on 20 January 2022

📢 Task Factory users running version 2020.1.4 or older (released prior to May 27, 2020): **There's an important Task Factory update.** Please visit here for more details.

AmazonS3 Rest Connection Manager

Connection Properties

Used with the AmazonS3 Rest Source and AmazonS3 Rest Destination.

Option	Description
Access Key ID	The Access Key ID provided by Amazon Web Services to connect to the desired container.
Access Key	The Access Key provided by Amazon Web Services.

ⓘ **Note: Test Connection** requires the IAM user to have *ListAllMyBuckets* permissions. To find the available permissions for your IAM user, open the AWS Console, select the user and look under **Permission Policies**. You may need to add/edit the policy to add *ListAllMyBuckets* permissions.
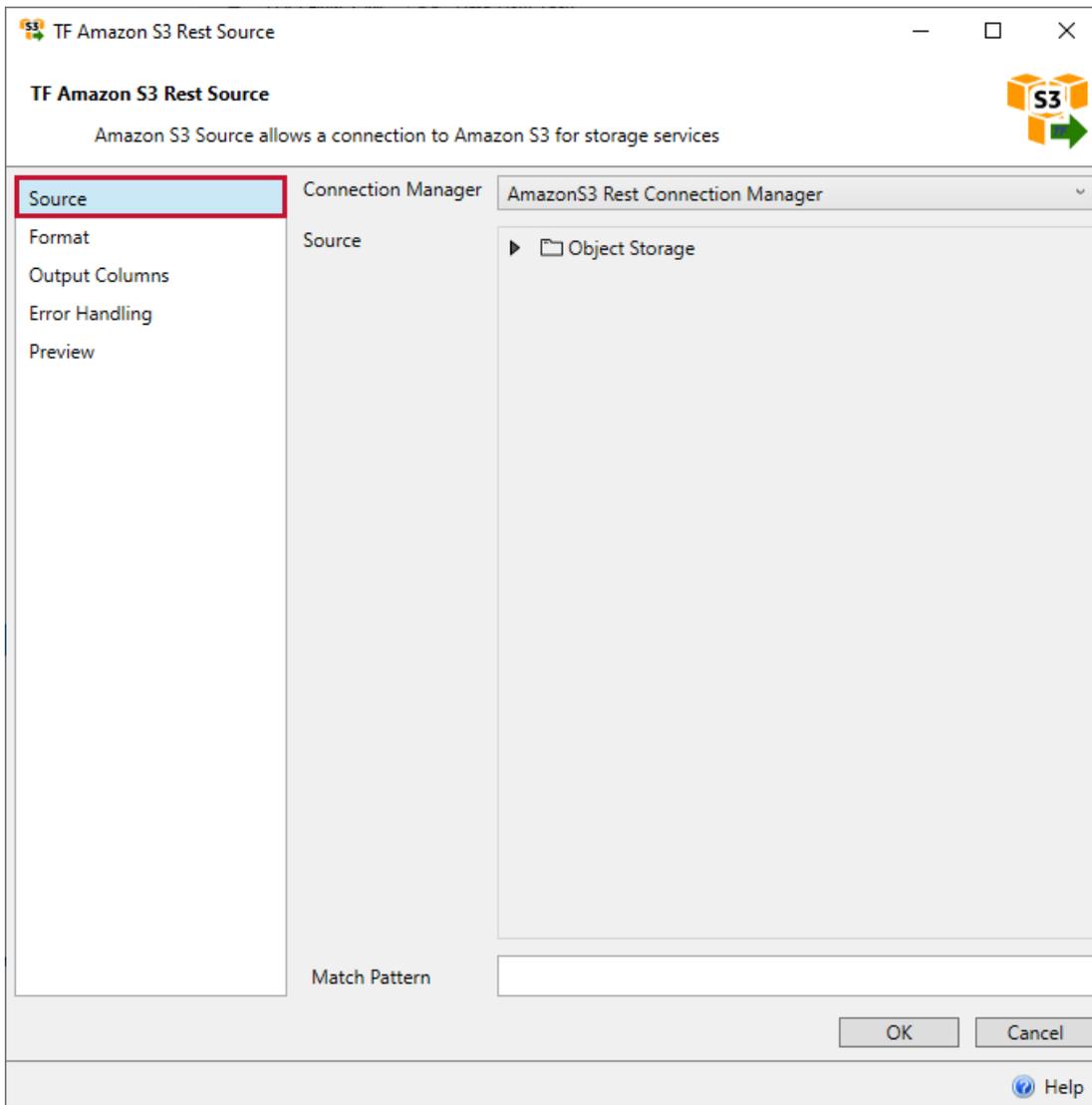
Proxy Configuration
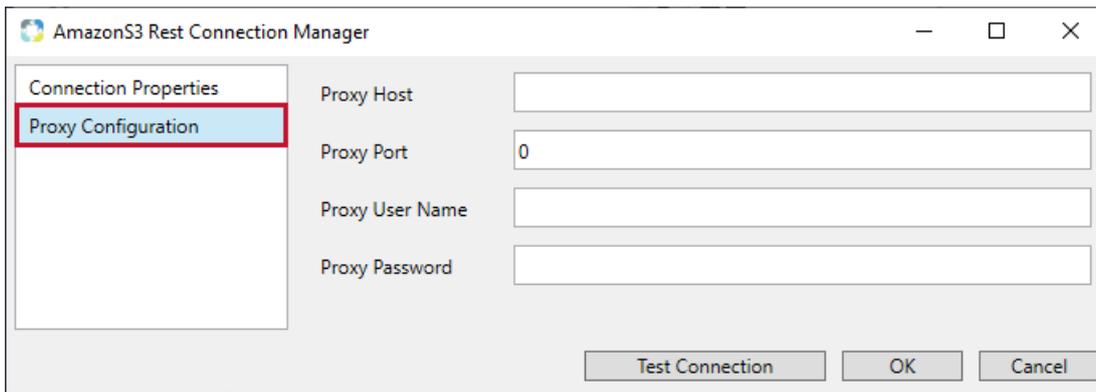
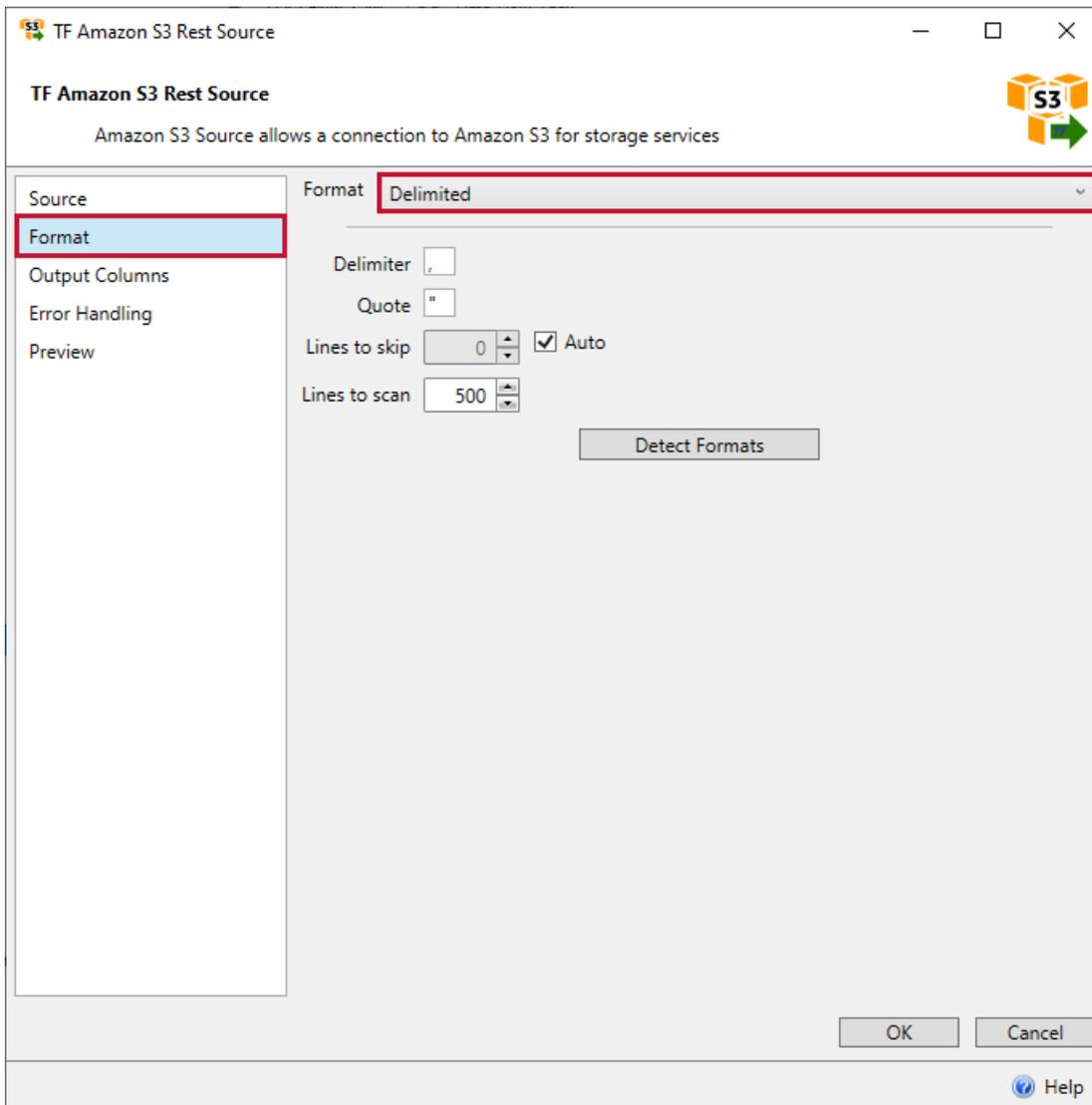| Option	Description
Proxy Host	Identifies the proxy address.
Proxy Port	Identifies the port used by the proxy.
Proxy User Name	Enter the user name for proxies that require user authentication.
Proxy Password	Enter the password for proxies that require user authentication.

AmazonS3 Rest Source

Source

Begin by creating a connection manager that connects to the service's storage container.

Format

The following formats are available:

Delimited Format

Users can manually configure the delimiter, quote identifiers, the lines to skip, and lines to scan. Select **Detect Formats** to configure these fields automatically.

Option	Description
Delimiter	Identifies the character that separates columns. The default value is the comma (,).
Quote	Identifies the character used to indicate a value (if present).
Lines To Skip	Users can designate the number of lines to skip at the beginning of the delimited file.
Auto	Automatically detects which lines to skip.
Lines To Scan	Determines the number of lines to scan when detecting the file.
Detect Formats	Select this button to begin scanning the chosen file.

Detected Delimited View - After the format is detected, a new view appears that allows users to configure or change different properties of the file.

Json Format

Option	Description
Root Json Path	JSON queries can return multiple levels, therefore, this field Identifies the root to be used.
Output Columns	In this window, users can add and remove columns, define their name, token path (defined within the raw data), data type, length, precision, scale, and code page.
Date Parse Handling	Specifies how date formatted strings are parsed when reading JSON text. • **None** - Strings are not parsed as a date type and are read as strings. • **DateTime** - Date formatted strings are parsed as DateTime. • **DateTime Offset** - Date formatted strings are parsed as DateTimeOffset.
	Specifies how to treat time values converted between string and DateTime. • **Local** - Treats the time as local (UTC times convert to local times.) • **Utc** - Treats the time as UTC. This converts local time to UTC.

Date Time Zone Handling	
Option	**Description**
	• **Unspecified** - Treats the time as local time if a DateTime is being converted to a string. If a string is being converted to DateTime, convert to a local time if a time zone is specified. • **RoundtripKind** - Time zone is preserved when converting.
Float Parse Handling	Specifies how floating point numbers are parsed. • **Double** - Floating point numbers are parsed as a double datatype. • **Decimal** - Floating point numbers are parsed as a decimal datatype.

XML Format
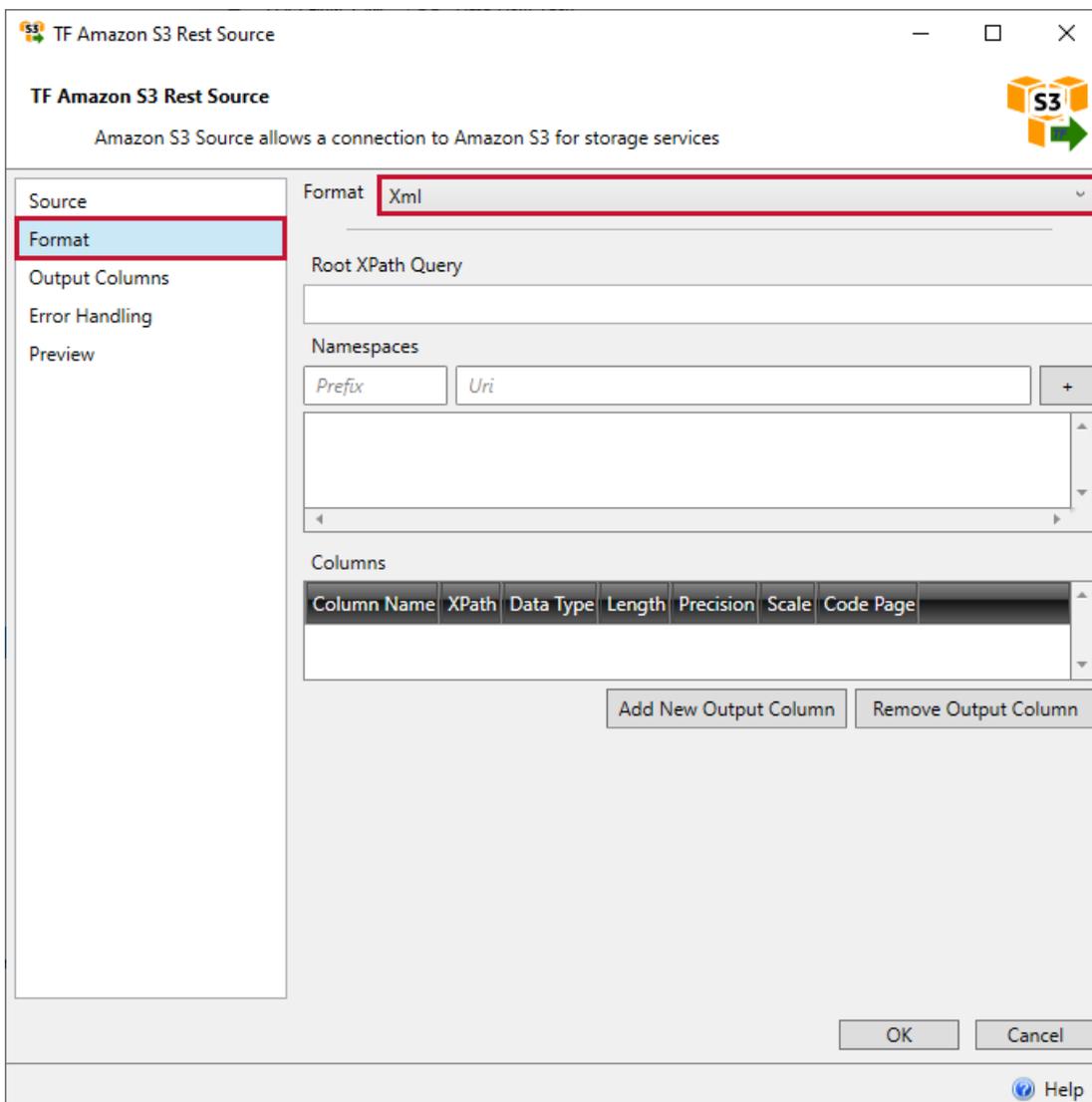
Option	Description
Root XPath Query	Xml queries can return multiple levels, therefore, this field Identifies the root to be used.

Option	Description
Namespaces:	• **Prefix** - Identifies the prefix used in an XML namespace. Example: In the element \ the prefix is **url**. • **Uri** - The url or address identified in the namespace.
Columns	Users can create, remove, and configure the name, index (zero-based), data type, length, precision, and scale of the columns being extracted from the file.

Output Columns

Users can select which columns to include/exclude in the output. Additionally, users can rename the columns by selecting into its corresponding output name.
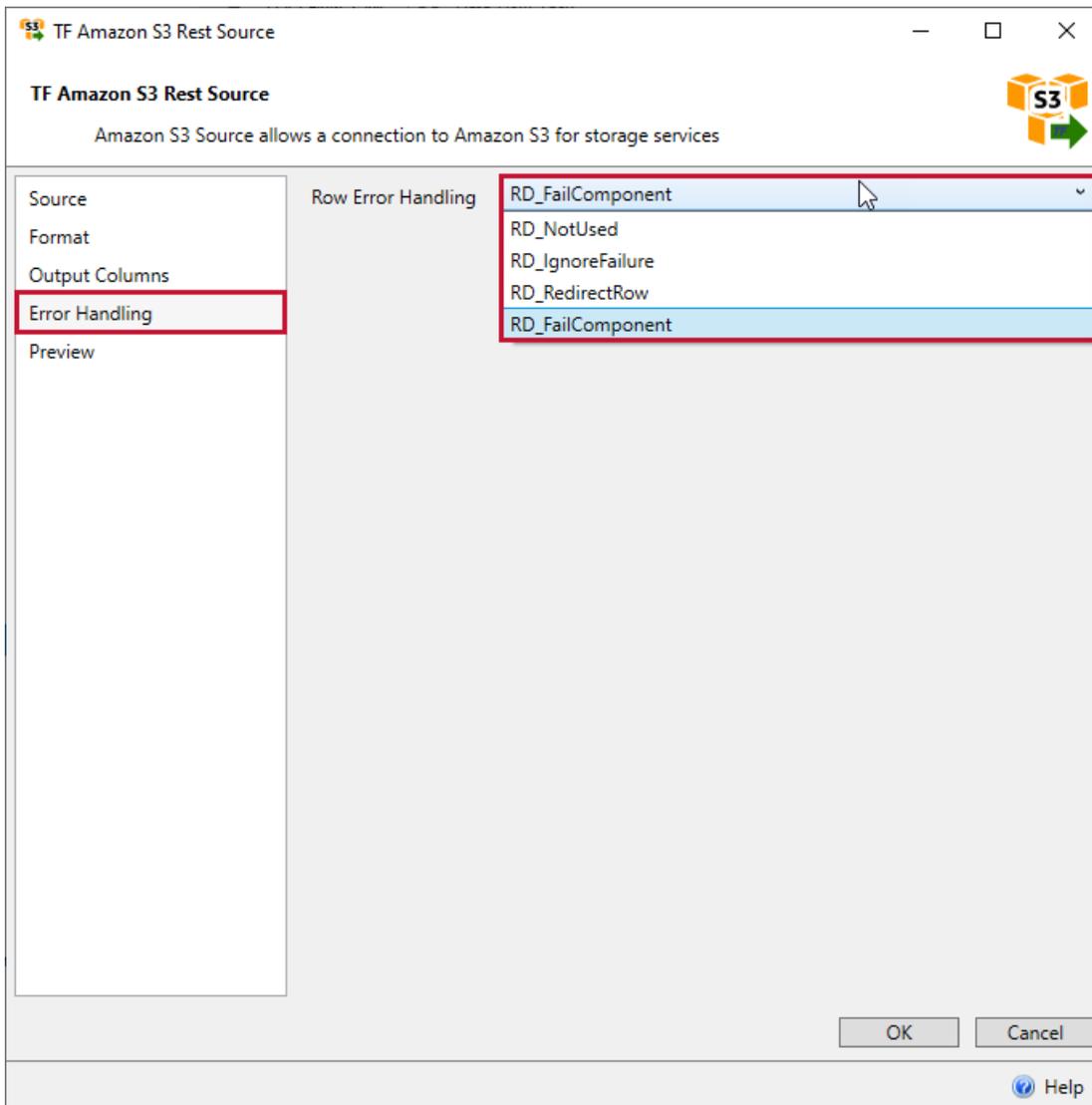

## Error Handling

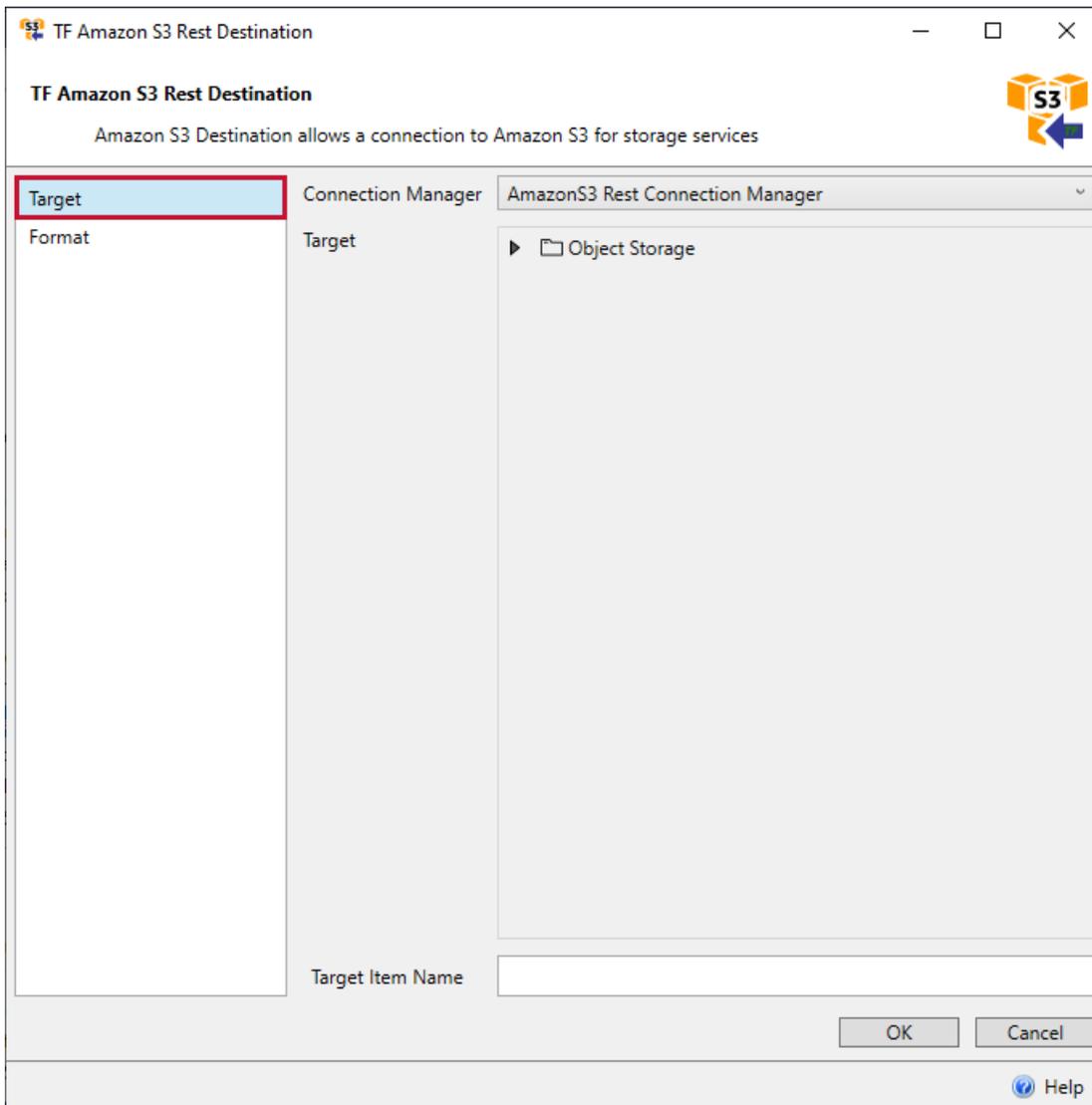| Option	Description
Not Used	Error handling is not used and no error constraint is available.
Ignore Failure	All errors are ignored and the package continues to execute.
Redirect Row	All error rows are directed to an error output.
Fail Component	(Default selection) On error, the component fails and the package execution stops.

Preview

Select **Preview Data** after configuring the previous tabs to view an output sample.
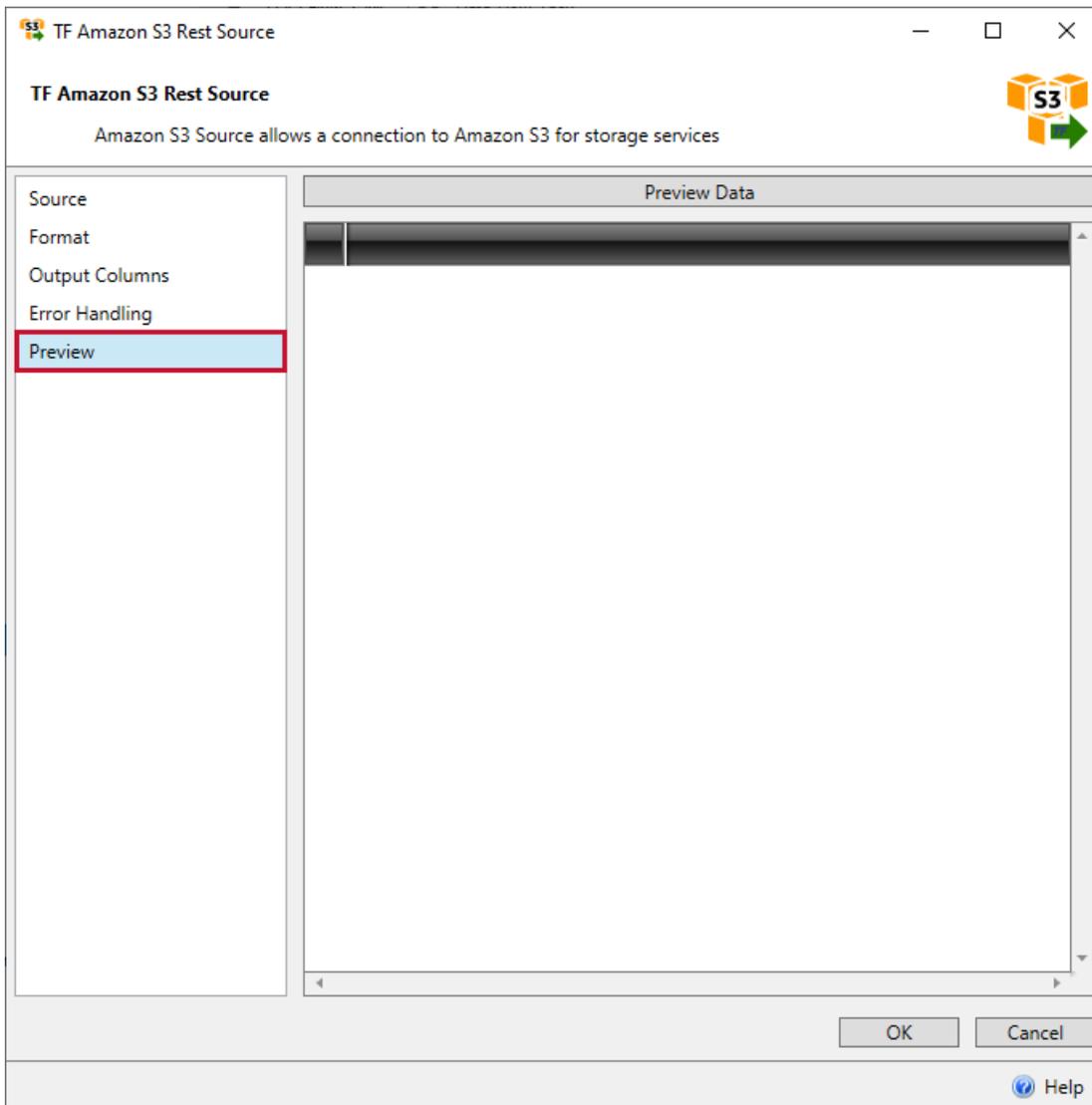
AmazonS3 Rest Destination

Target

Begin by creating a connection manager that connects to an Amazon Storage container. After a connection manager is created, the source window populates with files and folders. Select the desired file to continue configuration.
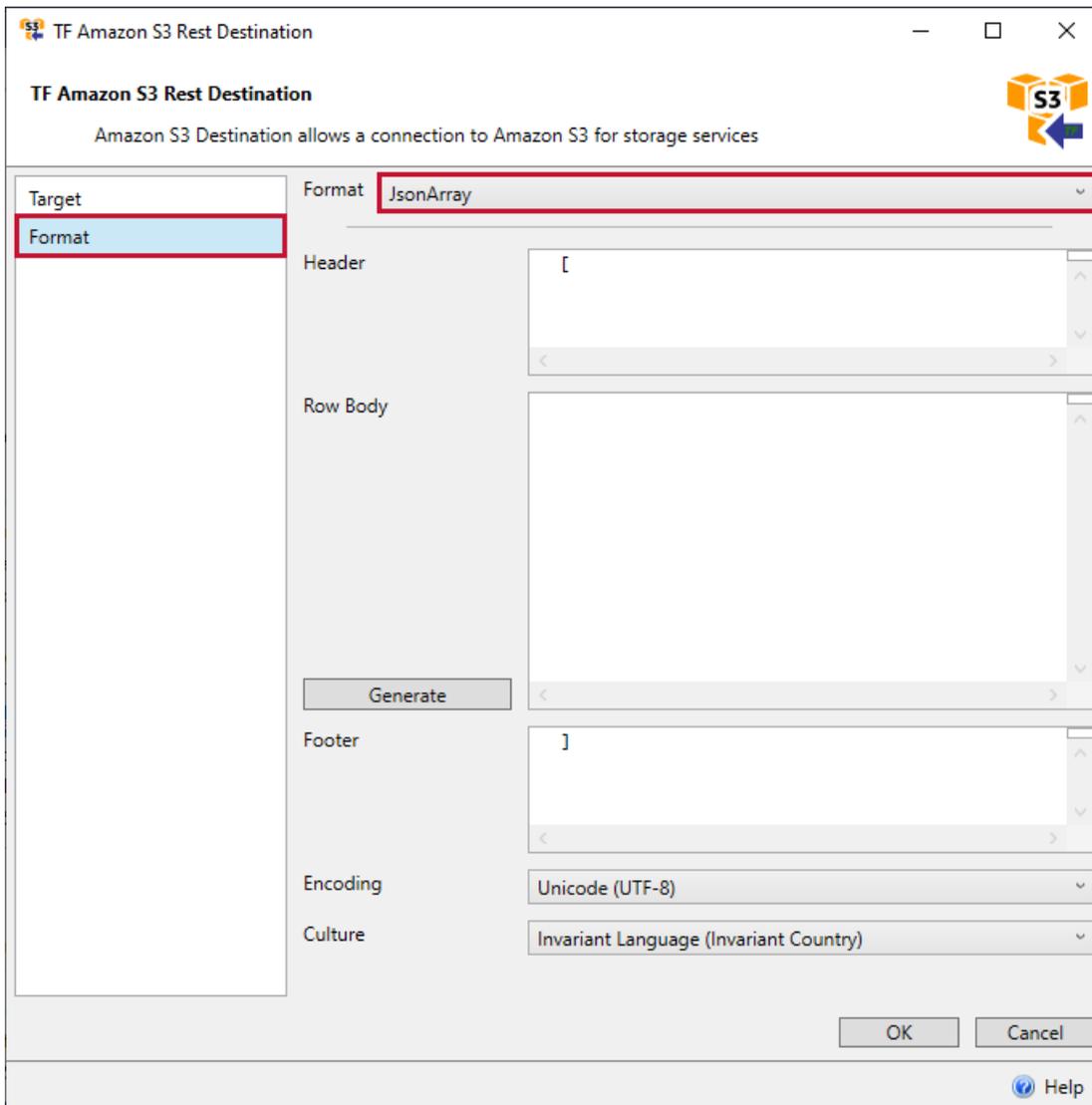
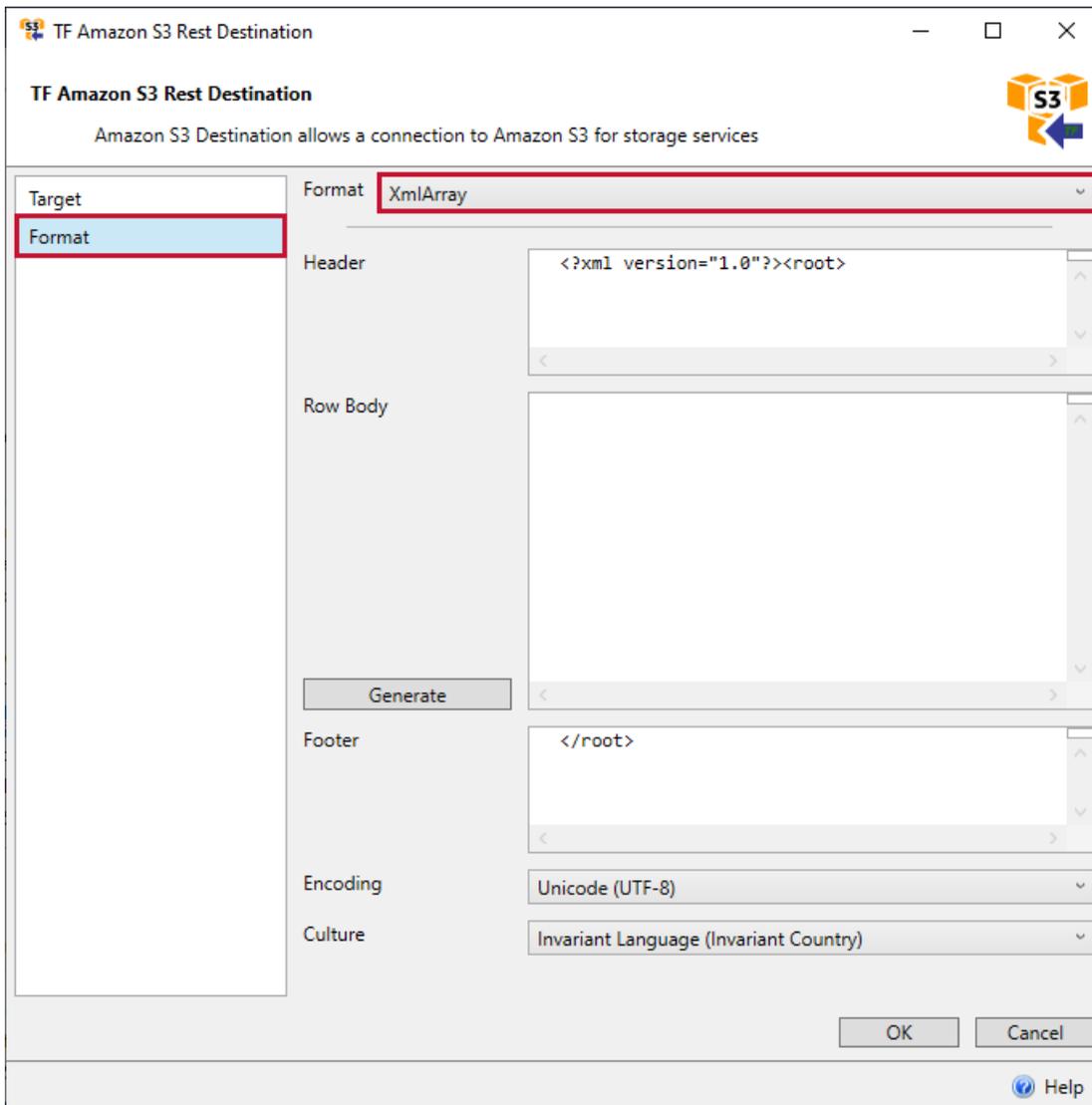| Option	Description
Target Item Name	Defines the name and extension of the file you would like to create when the component is executed. For example: **MyNewXmlList.xml**

Delimited Format
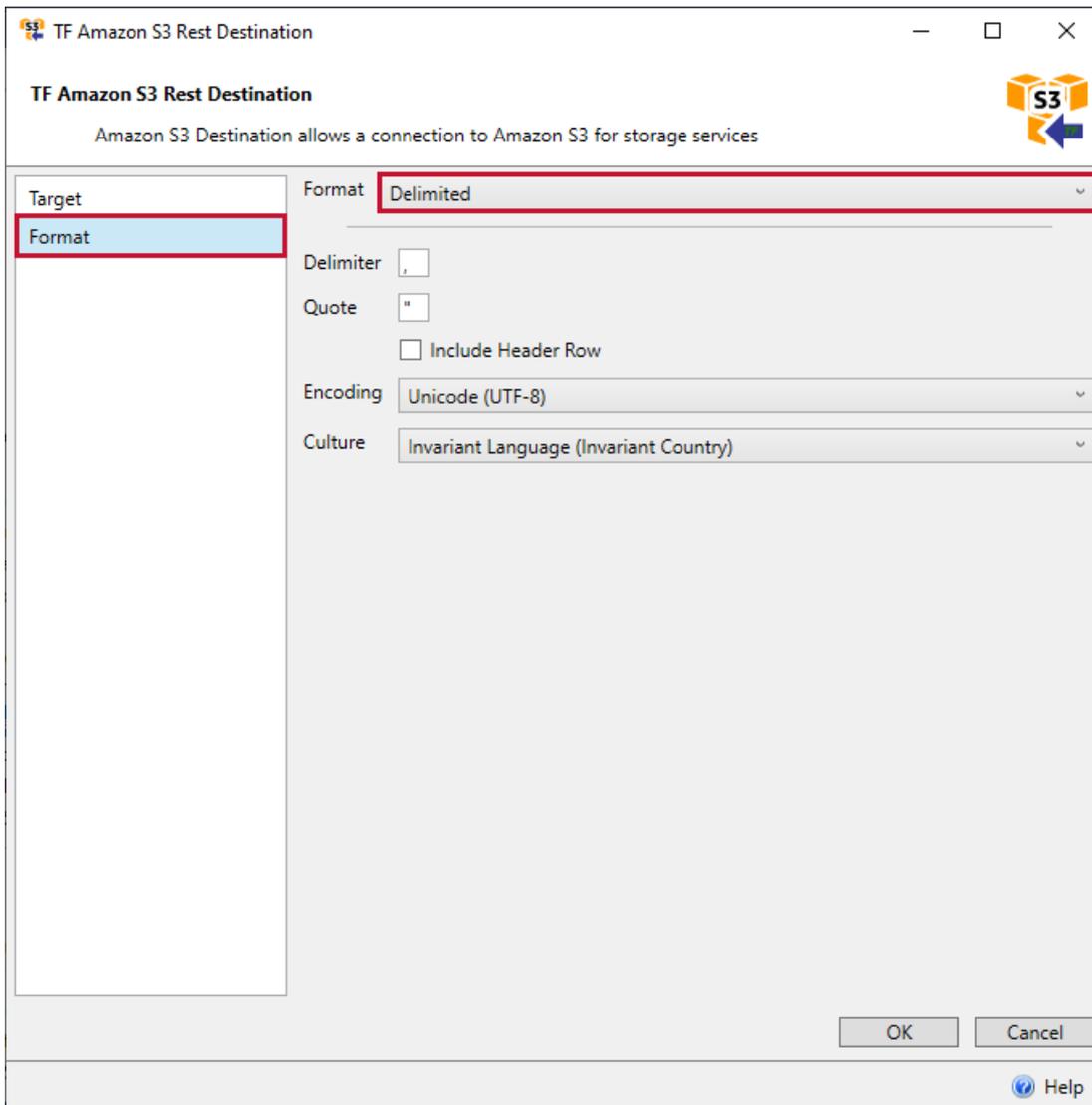
Option	Description
Delimiter	Identifies the character that separates text.
Quote	Identifies the character (single or double quote) that indicates value.
Include Header Row	Writes the column headers at the beginning of the document.
Encoding	Selects which encoding is used to create the document.
Culture	Used to identify the document's language culture.

Json Array Format

Option	Description
Generate	Select to automatically generate the Row Body metadata. Users can also add custom header and footer data.
Encoding	Select which encoding is used to create the document.
Culture	Used to identify the document's language culture.

XML Array Format

Option	Description
Generate	Select to automatically generate the Row Body metadata. (Users can also add custom header and footer data.)
Encoding	Select which encoding is used to create the document.
Culture	Used to identify the document's language culture.