TitanMFT SERVER

ADMIN GUIDE

A comprehensive guide to deploying, configuring, and managing Titan MFT Server for secure file transfers across your organization.

Admin Guide for Titan MFT

To begin with Titan MFT, deploy and start a Titan MFT Server from the Azure or AWS Marketplace. On the first launch of Titan MFT, you'll be prompted to review and accept the EULA. Create an Initial Administrator Username and Password to login.

> **NOTE:** A folder is placed on the Desktop with helpful files

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Initial Setup Steps

Review and Accept EULA On first launch of Titan MFT, you'll be prompted to review and accept the EULA.

Create Initial Administrator Username and Password Create an administrator account to login to the system.

Activation and License Information

Choose the "**Home**" option from the Top Left Menu and then move to the "**Product Info**" tab to view Product and License Information:

License Management

Activate License: Choose "Add license", enter the Registration Code that corresponds to your license, and then apply that license

NOTE: Subscription Licenses will remain active so long as Subscription is renewed

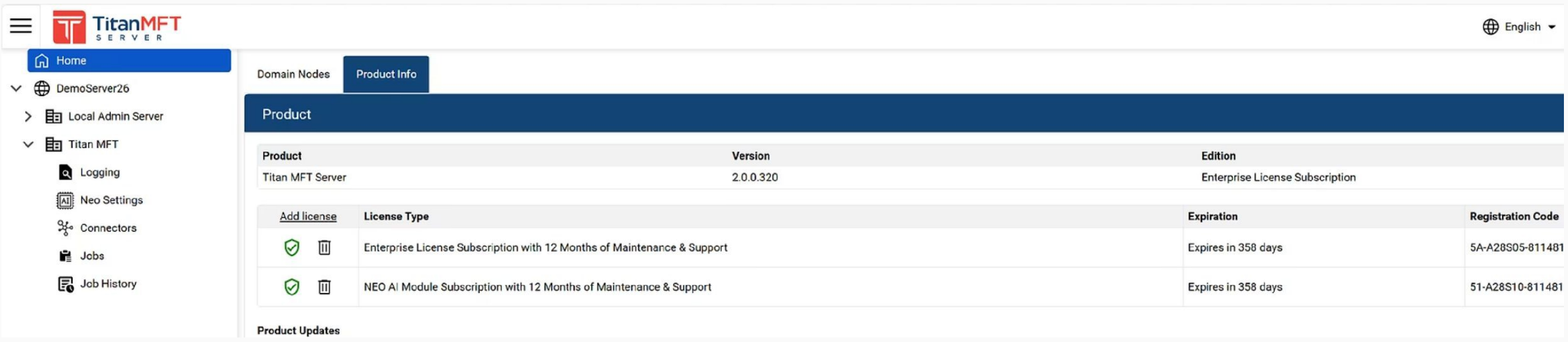
Deactivate License: Select the "Deactivate" license option from the left of the currently activated license to discontinue use of this license

Updates

Check for Update: Use the "Check for Update" Icon from the upper right to manually check for updates

Download Latest Update: Click the "Download" link under the Download URL to download the latest version

Install Update: After downloading, Run the latest Titan MFT installer to install the latest version for use



Configuration within Local Admin Server

Within the Local Admin Server menu on the left, you can choose Logging options for the Local Admin, Brand/Customize the Admin UI, configure an SMTP (Email) Server, as well as set an Idle Timeout for Administrators. In addition, you can configure and setup Titan Neo for AI integration (separate purchase required for use).

> **NOTE:** When configuring or making changes to settings, ensure to click the Checkmark icon in the upper right of whichever menu you are viewing to Apply and Save changes

Brand/Theme: Use this menu to customize the Brand and Theme for your Titan Server, including Logos, Descriptions, Copyrights, Text, URL, Headers, Footers, Colors, and Login Messaging

Email: Configure SMTP and SMS information to allow Titan MFT to send emails/SMS messages (if desired)

Logging: Configure logging settings for the Local Admin Server

Connections: Configure the Idle Timeout value. Once an authenticated Administrator login reaches this amount of time sitting idly, the Administrator will log out this account and will require a new login

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Neo Configuration

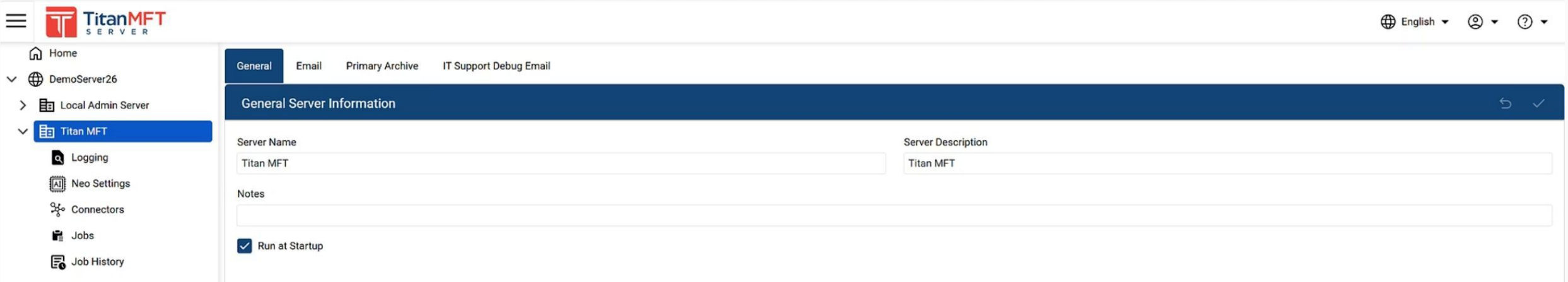
- Use the dropdown to select an AI Provider that you use and you would like to have configured to work with Titan MFT.
  - Once you've selected a provider, the related configuration information will display for you to authenticate and select the supported AI Model for use.
  - Test Connection options can be used to verify connection and authentication to your AI Provider as configured
  - You may configure more than one AI Provider if you prefer
- Ensure that you use the dropdown menus to Set Preferred AI Provider for the various functionalities for which it can be used
- When finished, click the Checkmark in the upper right to Apply and Save

Configuration of Specific Titan MFT Instance

Top Level Menus

General

- Define Server Name and Description and provide any Notes
- Enable "Run at Startup" if wanting Titan MFT to start automatically when the server system is started



- Configure SMTP and SMS information to allow Titan MFT to send emails/SMS messages for this specific Titan MFT instance

Primary Archive

- Use this menu to decide whether to make use of Primary Archiving and define rules such as when to archive, what files to keep, and retention periods for keeping archive data

IT Support Debug Email

- Use this menu to define when to send Email Notifications to Support Teams and what address to send these to

NOTE: Ensure SMTP Server is configured if wanting to send emails

Logging

Use this menu to enable and define rules for Log Files

- Includes support for SysLog Servers, several formatting options, various levels of detail for the log files, and rotation scheduling

Neo Settings: Titan MFT can leverage AI functionality of Titan Neo

NOTE: *Separate purchase required for use of Titan Neo integration*

AI Configurations: This menu allows inheriting settings from the Local Admin Server configuration menu, or disabling this option and configuring for this individual server instance.

Titan Neo Server: On this menu, check the box to "Enable Titan Neo Server"

Titan Neo Server Admin URL: URL or IP Address for your Titan Neo Server

Typically something like https://IPADDRESS:46443

Titan Neo Server Admin Username: Username of the Administrator account used for Titan Neo

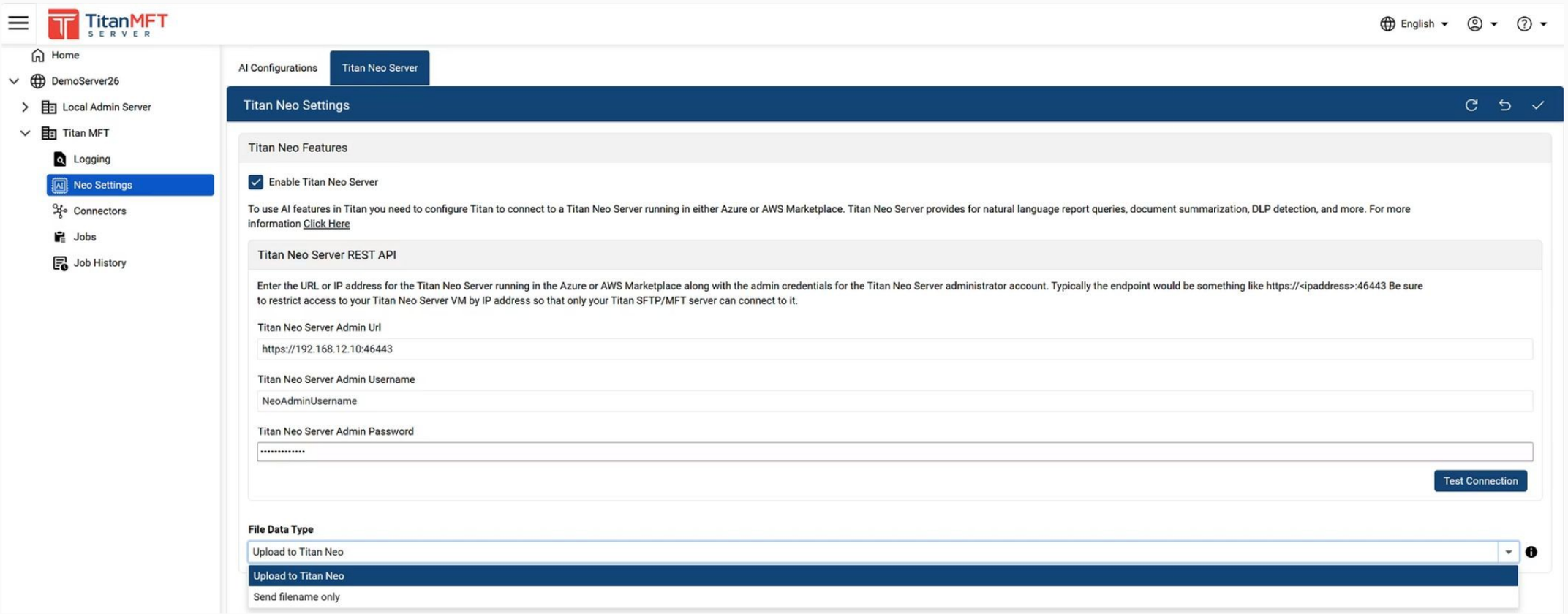
Titan Neo Server Admin Password: Password of the Administrator account used for Titan Neo

Test Connection: Use to verify URL/IP and Credentials

Enable Document Viewer: Enable this option to allow Document Viewing when opening a file in the WebUI

File Data Type: Select from the Dropdown menu

- **Upload to Titan Neo:** Use this option if Titan Neo and Titan MFT do NOT share a common file system where these files reside
- **Send filename only:** Use this option if Titan Neo and Titan MFT share a common file system where the files reside. Performance will improve, as Titan Neo and Titan MFT can reference the same file (based on filepath and filename) instead of needing to send the actual file for processing and use by Titan Neo

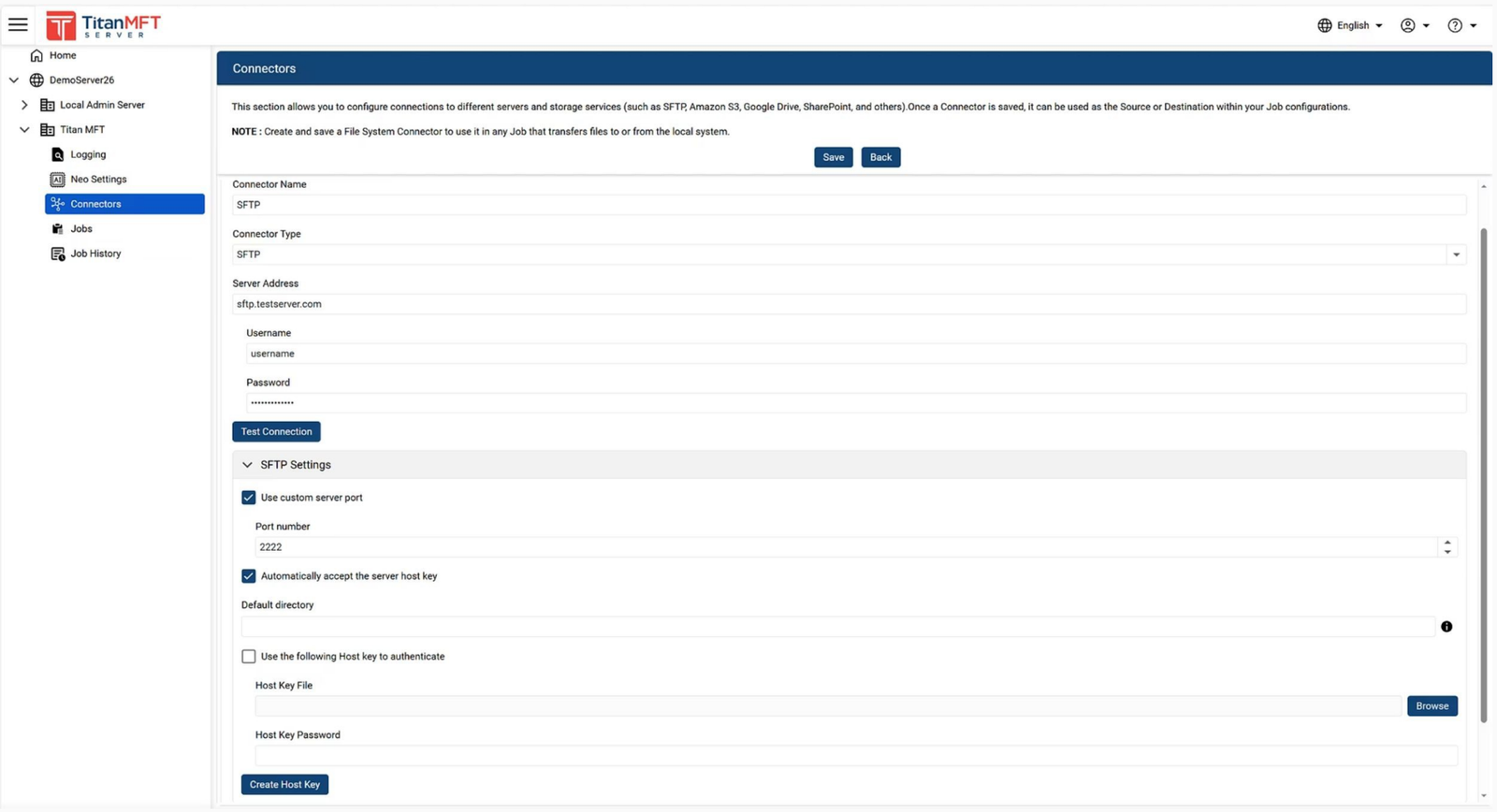


Connectors: View, Add, and Edit Connectors

Creating Connectors

Use the "**+**" icon to begin adding a Connector

Connector Name: Provide a name for the Connector you create
Connector Type: Select the type of server to which you want to connect **File System:** Allows Titan MFT to move files to/from the local File System on the server where MFT is installed
Choose "**Save**"



Once Connectors exist in the list, select a Connector if wanting to Delete or Export. Choose either from the right side once selected.

- Use the "**Actions**" options from the right side to Test Connection, Edit Settings, or Delete the Connector

SFTP Connector Configuration

Server Address: Enter the URL or IP Address for the SFTP Server to which you want to connect

Username: Enter the username for connection to the designated SFTP Server

Password: Enter the password for the username above

Test Connection: Verify currently entered information allows a successful connection to the server. If this fails, verify information entered to this point, and/or continue into the Connection-Specific settings and configure further

SFTP Settings

Use Custom Server Port: Enable this setting if using a nonstandard port for connection *(e.g. Port 2222 for SFTP instead of 22)*

Port Number: Enter the desired Port Number for use if enabling Use customer server port

Automatically accept the server host key: When server presents its host key, automatically accept the key without needing a prompt and manual acceptance

- This is often preferred, as the Titan MFT server is generally for automated use without user intervention

Default Directory

- Provide any specific path after your home directory to which you'd like to connect
- This can be useful if your ftp server home directory does not place you in the proper location. Typically, you will not need to use this setting

Host Key Authentication

- **Use the following Host Key to authenticate**

Host Key File: Browse to select a certificate file for use

Host Key Password: Enter password for the certificate file

Create Host Key: Use this option to create a **brand new** Host Key within Titan MFT for use

FTP Connector Configuration

Server Address: Enter the URL or IP Address for the FTP Server to which you want to connect
Username: Enter the username for connection to the designated FTP Server
Password: Enter the password for the username above
Test Connection: Verify currently entered information allows a successful connection to the server

FTP Settings

Security Mode: Select from the dropdown
None: No security - plain FTP (Unsecured)
Explicit: Allows more flexibility as the server and client negotiate whether to use encryption and what kinds to use. Can be secure or unsecure
Implicit: Use dedicated port (default 990) and encryption is forced from the start.
Inherently secure
Use Custom Server Port: Enable this setting if using a nonstandard port for connection

- **Enable Passive Mode**
- **Enable MLSD for directory listings**
- **Show filenames that begin with period**

Send Commands After Login

- Initial Commands to be sent to the FTP Server once the account has been authenticated
- Use ";" to separate commands if more than one

Certificate Settings

Automatically accept the server certificate: When enabled the user will not be prompted to accept the server's certificate, and it will automatically be accepted **Enable Client Certificate:** Some secure systems may require client-side certificates for
enhanced security
Certificate File: Browse to select a certificate file for use
Certificate Password: Enter password for the certificate file

Amazon S3 Connector Configuration

Access Key: Provide the Access Key associated with the S3 account with which you wish to connect
Secret Key: Provide the Secret Key associated with the S3 account with which you wish to connect
Test Connection: Verify currently entered information allows a successful connection to the server
Enter Buckets and region manually: If you don't have sufficient permissions to list all buckets then enable manual bucket mode selection to enter the bucket and region yourself
Enter Buckets or leave blank for all: Enter specific buckets to connect, or leave this field blank to allow access to all available buckets at this S3 location

S3 Settings

Custom Server URL: To access an IBM Cloud Server or other S3-compatible server, set the Server URL setting to the proper URL for your server

Preserve permissions on renames and uploads: Copies the source ACL to the destination file during rename operation
Support legacy bucket naming conventions: Enable this for legacy buckets created before 2018 with periods, underscores, or upper-case characters in the name that are now deprecated

Google Drive Connector Configuration

Click login to refresh or change credentials: Use this option to prompt for authentication to the desired Google Drive account, or to change the credentials to a new account
Test Connection: Verify currently entered information allows a successful connection to the server

Jobs: View, Add, and Edit Jobs for Titan MFT Server

> **NOTE:** In order for Jobs to work with any external servers, ensure that the proper Connectors have been configured and added to Titan MFT

Once Jobs exist in the list, select a Job if wanting to Delete or Export. Choose either from the right side once selected.

- Use the "Actions" options from the right side to Edit Settings, Delete Job, Clone Job, or Run the Job

Creating a Job

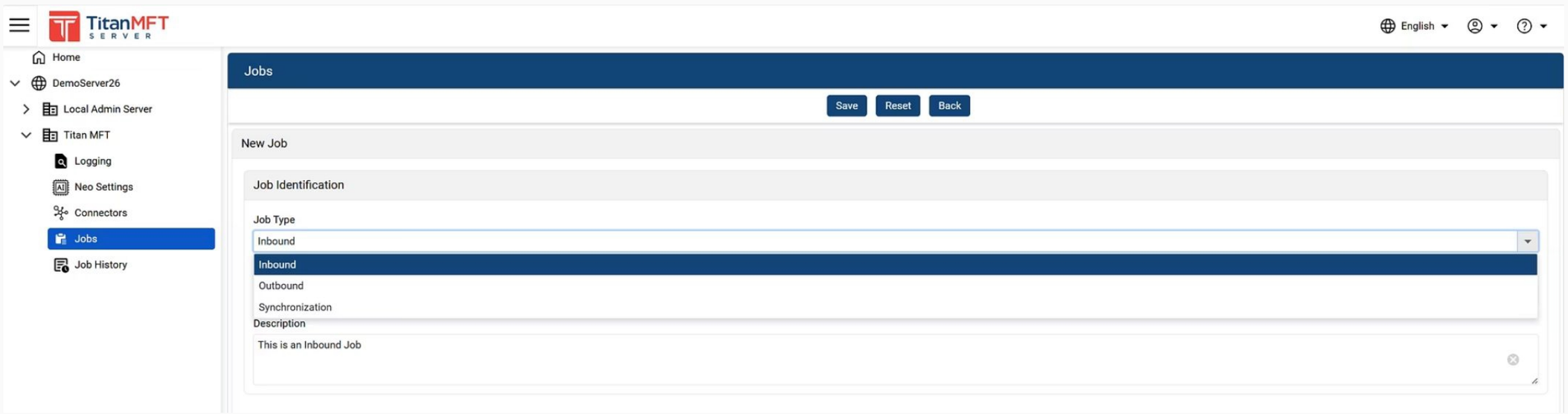
Use the "+" icon to begin adding a Job

Job Type: Select the type of server to which you want to connect **Inbound:** Transfer files into the Titan MFT environment **Outbound:** Transfer files out from Titan MFT environment **Synchronization:** Synchronize data between two locations

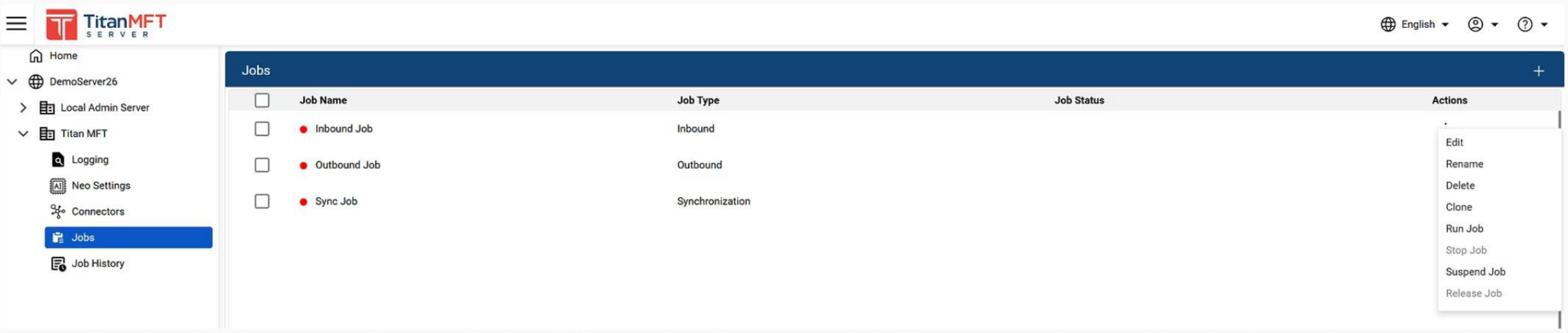
Job Name: Provide a name for the Job you create

Description: Provide a friendly description to help identify the Job and what it accomplishes - this shows in the high-view Job List

Click "**Save**" to view relevant Job configuration menus



> **NOTE:** *Jobs can be run any time on-demand from REST API*



Use the dropdown menu items to further define and configure your Job. The menu options and levels of control are extensive and include file filtering and transfer rules, alerts and notifications, pre and post process task execution, scheduling and folder monitoring, encryption/decryption and zip/unzip, and more.

Basic Job Examples: *Step-by-Step Configurations*

Example 1: Inbound Job

Transfer all files from a folder on an SFTP Server to a folder on the local File System

1. Use the "+" icon to add a new job, select Inbound from the dropdown list of Job Type, provide a unique name for the Job and any Description. Save.
2. Most menus can remain as set to default

Open the Source Connector dropdown menu

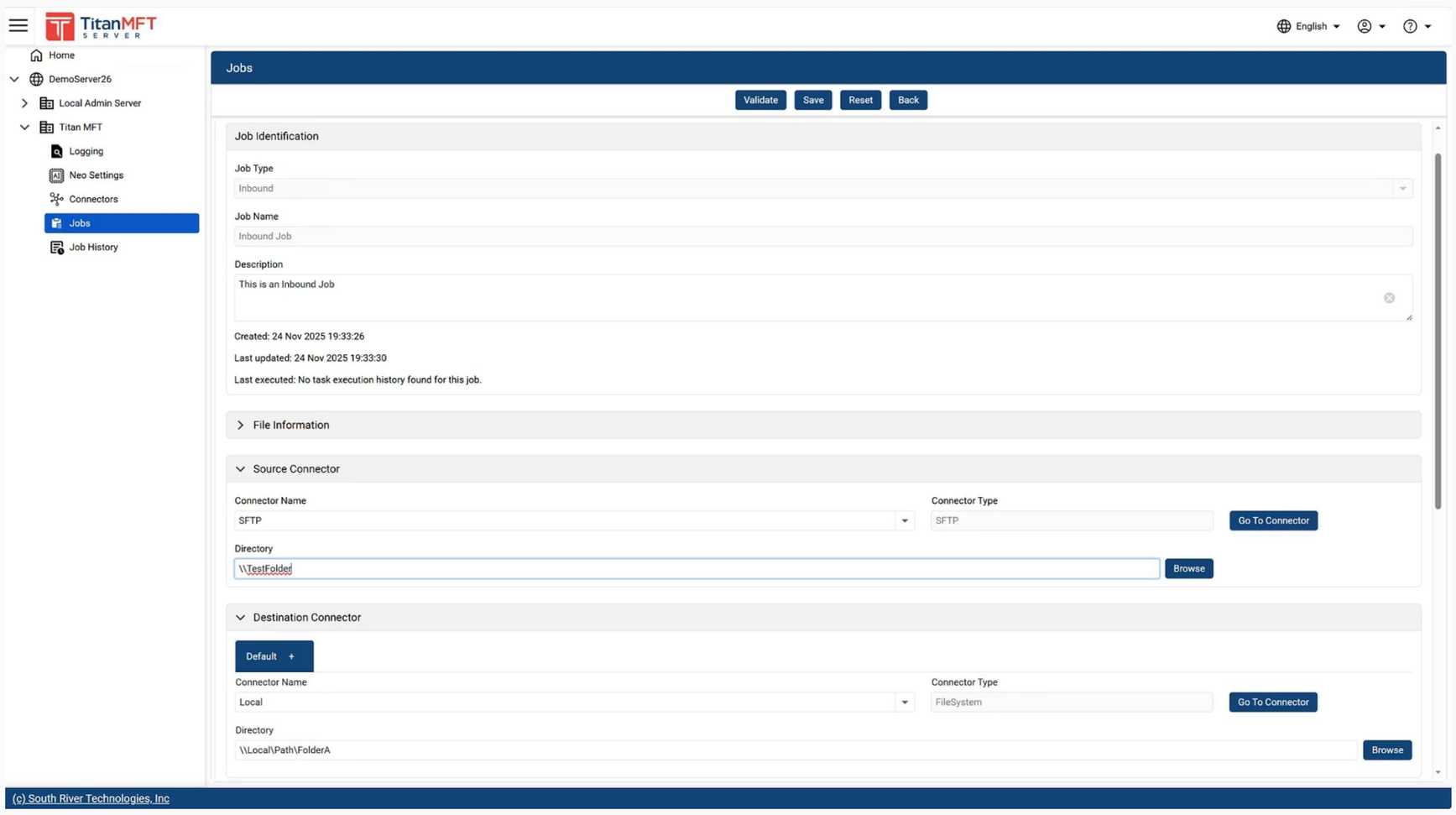
1. Select the SFTP server from the Connector Name dropdown
2. Use "Browse" to select a Directory Path of the Folder of interest from which the data should be transferred

Open the Destination Connector dropdown menu

1. Select the Local File System Connector from your dropdown menu
2. Use "Browse" to select a Directory Path of the Folder of interest to which the data should be transferred

5. Click "Save" at the top of the screen to Save the Job

From the main Jobs list, select the "**Actions**" list on the right for the Job you've created and choose to "**Run Job**"



Example 2: Outbound Job

Transfer all files from a folder on the local File System to a folder on an SFTP Server via Scheduled Job

1. Use the "+" icon to add a new job, select Outbound from the dropdown list of Job Type, provide a unique name for the Job and any Description. Save.
2. Most menus can remain as set to default

Open the Source Connector dropdown menu

1. Select the Local File System Connector from the list
2. Use "Browse" to select a Directory Path of the Folder of interest from which the data should be transferred

Open the Destination Connector dropdown menu

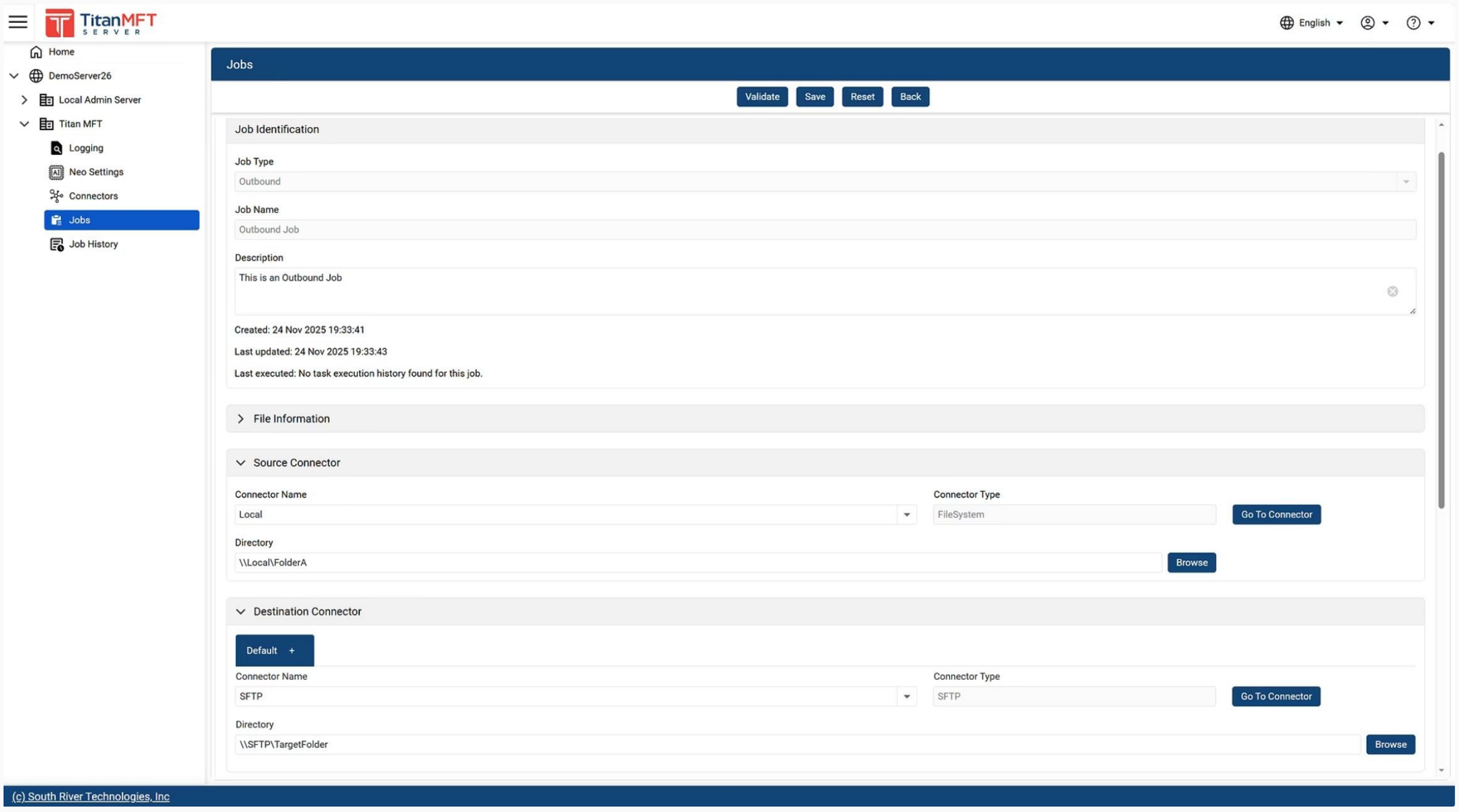
1. Select the SFTP server from the Connector Name dropdown
2. Use "Browse" to select a Directory Path of the Folder of interest to which the data should be transferred

Open the "Task Execution" dropdown menu to Schedule the Job

1. In the "Scheduler" section, open the dropdown for "Run Tasks Using" and select the "Schedule" option
2. Configure how often the task should run, e.g. every x hours, every x days, etc and choose an Initial Start Date and Time
    1. If wanting to exclude any days, for example, the weekend, select those days from the Exclusions list on the right side

6. Click "Save" at the top of the screen to Save the Job

From the main Jobs list, select the "**Actions**" list on the right for the Job you've created and choose to "Run Job" if wanting to run manually; however, because this is a Scheduled Job, simply wait until the scheduled time for the Job to run



Example 3: Synchronization Job

Sync Files between a folder on the local File System and a folder on a Google Drive Server

1. Use the "+" icon to add a new job, select Synchronization from the dropdown list of Job Type, provide a unique name for the Job and any Description. Save.
2. Most menus can remain as set to default

Open the Source Connector dropdown menu

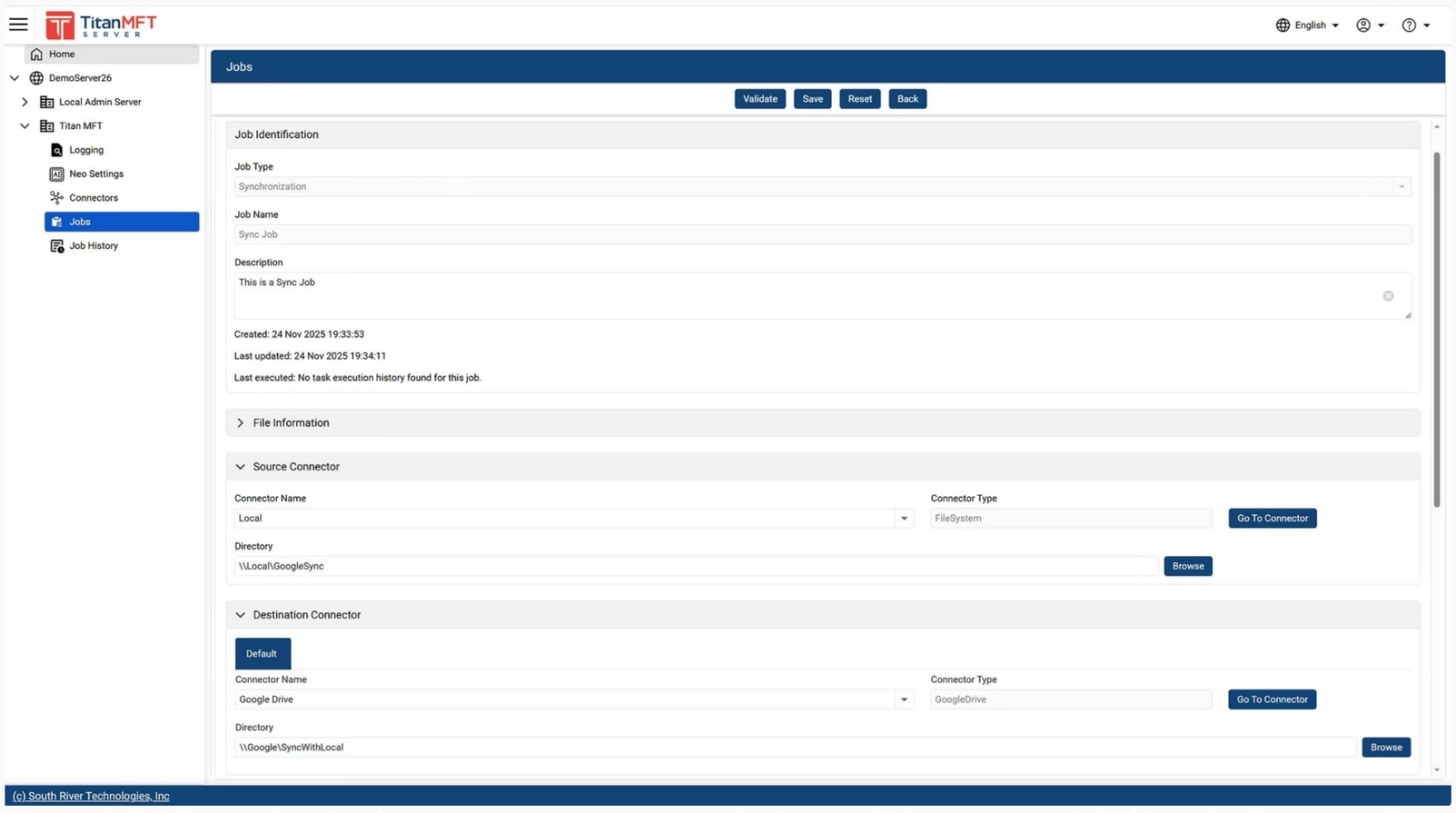
1. Select your Google Drive Connector from the list
2. Use "Browse" to select a Directory Path of the Folder of interest from which the data should be transferred

Open the Destination Connector dropdown menu

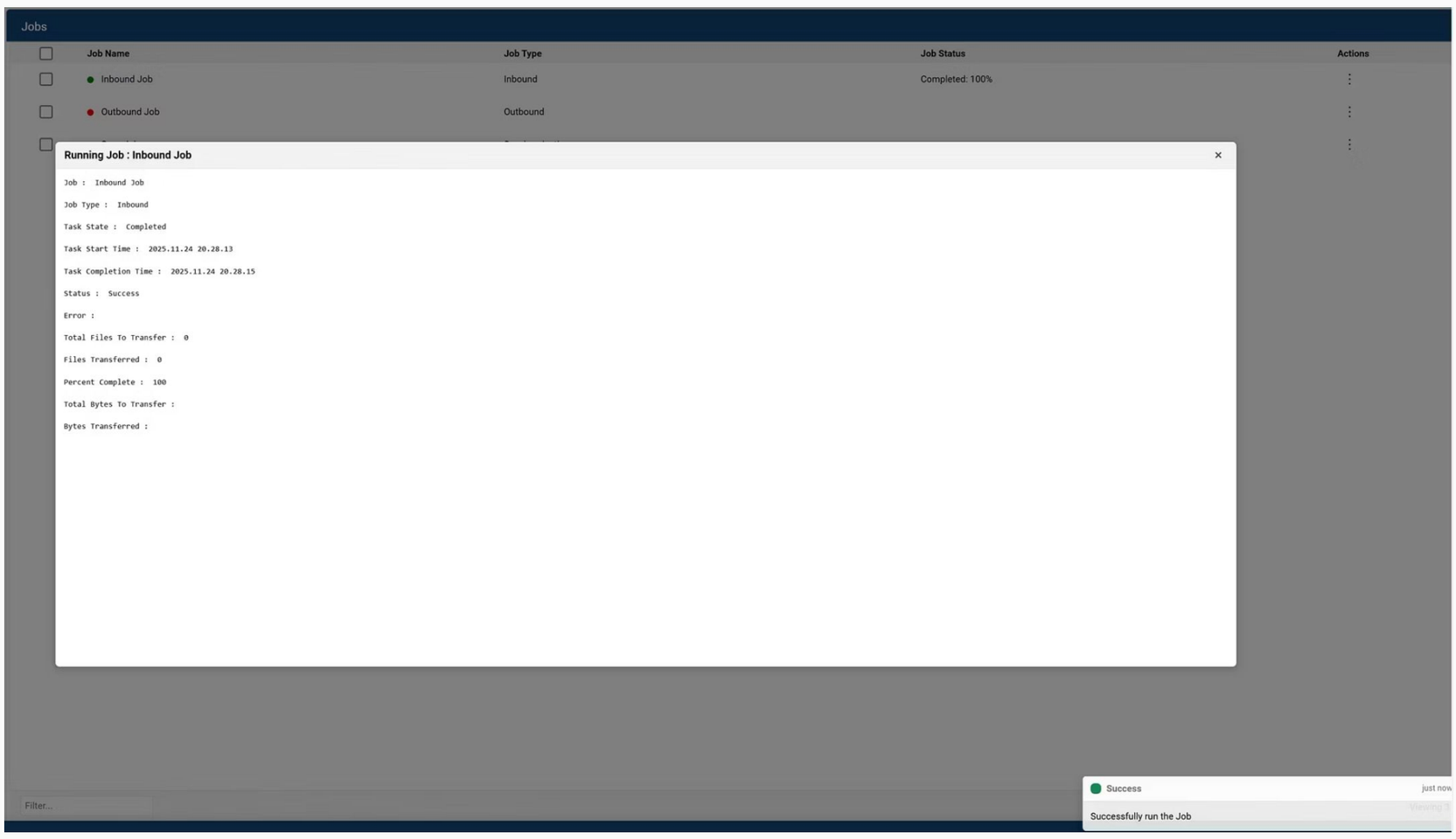
1. Select your Local File System Connector from the list
2. Use "Browse" to select a Directory Path of the Folder of interest to which the data should be transferred

5. Click "Save" at the top of the screen to Save the Job

From the main Jobs list, select the "**Actions**" list on the right for the Job you've created and choose to "**Run Job**"



When choosing to "Run Job" from the Actions menu, a status window will be opened. This window can be closed, or it can remain open to watch the status of the transfer in real-time. NOTE: Job History section of Titan MFT has a dashboard and high-level view of the Job and its status and past results:



Advanced Job Configuration Options

File Information

Provide details, filters, and information regarding Job Files:

Source File Configuration

- Enter Source File path/name for use into the text field
- Click the **"+"** icon to add another Source File
- Click the **"-"** icon to remove a Source File
- Select **Aa.*&=** in order to set Source File Pattern Details:

Pattern: Type filename patterns/expected items into the path for use **Recursive:** Enable this option to scan subfolders for files that match the defined pattern
Match Case: Enable this option to only select files that match the specified case in the pattern
Pattern Type: String or Regex
Match Type: Include or Exclude filenames that match the pattern provided

File Handling Options

Use Modify Date: Enable this option to use Modify Date when considering how "new" a file is for options like Overwrite
Number of Files: Enter a numerical value for total number of files
Required: Enable to require this file transaction
Overwrite: Dropdown options for handling Overwrite scenarios
Overwrite: Always overwrite a file of the same name **Overwrite if source newer:** Overwrite a file if source is newer **Overwrite if different size:** Overwrite a file if sizes differ
Do not overwrite: Not do overwrite a file of the same name
Remove Source Data: Enable this option to have Source Data removed after Job

Allow Zero Byte Files: Enable this option to include 0B files in the Job
Transfer Order: Dropdown options for Ordering the files for Transfer

Source and Destination Connectors

Source Connector

Connector Name: Select a configured Connector from the dropdown list for use in this Job
Directory: Select "Browse" to navigate and select the path of interest for use in the Job

Destination Connector

Connector Name: Select a configured Connector from the dropdown list for use in this Job
Directory: Select "Browse" to navigate and select the path of interest for use in the Job
NOTE: Click the "+" icon to create additional Destination configurations for Job data. Data can be transferred to more than one location

Advanced Security and Processing

> **NOTE:** *Separate purchase required for use of Titan Neo integration*

Sensitive Data Loss Protection

Filter Source Files by Pattern (DLP Scan): Use file patterns to reduce amount of scanning required

When sensitive data is detected:

- **Skip file and continue:** Do not transfer this file. Job continues
- **Abort Job:** Do not transfer this file. Quit the Job

Medical Information: Enable to look for Medical data in files **Financial Information:** Enable to look for Financial data in files **Custom Prompt:** Enable to enter own text to look for in files

Neo Document Processing

NOTE: Supports Inbound and Outbound Jobs. N/A for Sync Jobs. Separate purchase required for use of Titan Neo integration

Neo Summarize Document: Leverage AI Provider to automatically summarize files and create a new file with the resulting summary
Neo Data Extraction: Leverage AI Provider to automatically extract key-value pairs from files and create a new file with the data extraction results

Virus and Malware Detection

Scan files in this job for malware: Enable to leverage this capability
ICAP Scanner URL: Provide the Hostname or IP for your ICAP Scanner URL that will be used to detect malware
Port: Enter the Port for the ICAP Scanner connection (default 1344)

File Encryption and Decryption

> **NOTE:** PGP Encryption/Decryption requires a separate purchase

File Decryption (Inbound Jobs)

Decrypt: Enable this option to have transferred files Decrypted (PGP)

Decryption Key: Select PGP Key from the dropdown

Verify: Enable this option to Verify the signature of an Encrypted file

Verification Key: Select PGP Verification Key from the dropdown

Remove ASCII Armoring: Enable this option to Remove Ascii Armoring on the Incoming files

File Encryption (Outbound and Sync Jobs)

Encrypt: Enable this option to have files Encrypted (PGP) for transfer

Encryption Key: Select PGP Key from the dropdown

Sign: Enable this option to sign a file to PGP encrypt the file

Signature Key: Select PGP Signature Key from the dropdown

Add ASCII Armoring: Enable this option to add Ascii Armoring to files for outbound transfer

Compress: For Outbound transactions with Encrypt enabled, you can compress files to decrease the file size

Add Integrity Protected Packet (MDC): Enable to include an MDC or Integrity check in a PGP-encrypted file (RFC4880)

Task Execution and Scheduling

Execution Options

Do Not Run: Enable this option to not have the Task Execute

Run: Select this option to manually run the Task now

Execute Pre-Job Process: Enable this option to trigger pre-job processes

Maximum Simultaneous Transfers: Set a limit for number of file transfers allowed at any single given time

Scheduler

Run Tasks Using: None or Schedule

Recurrence Type: Seconds, Minutes, Hours, Daily, Weekly, Monthly

Run Every: Choose the interval for each recurrence

Start Date and Time: Select the date and time for the first run of the Scheduled Job

Exclusions: Select days to exclude from the Scheduler **Retries:**
Configure retry attempts if files not found **Expiration:** Set
expiration for the Job

File Monitoring

File monitoring allows continuously monitoring a folder for source files specified. When a file is found that meets criteria, files are processed according to Job configuration.

Recursive: Enable to have File Monitoring recurse subfolders

Disable/notify after: Enter a value (Minutes) after which the option should be disabled/send notification

Start Date and Time: Set if wanting to only begin monitoring at a certain time in the future

Expires On: Define the date when the folder will no longer be monitored

External Requests

Allow SRT API Requests: Enable to allow API for Job execution

Allow Execution As a Linked Job: Enable if planning to allow other Jobs to link to this as a Post-Job Process

Notifications and Post-Processing

Notification

Business Recipients - Email Address: Enter email address for notification

Notification Type: Define when notification should occur

Success: Notify on success of the Job **Failure:**
Notify on failure of the Job **Warning:** Notify on
warnings of the Job **All Jobs:** Notify on all Job
runs

Business Addendum: Optional additional text to append to all recipients

Archiving

Skip Primary Archiving: Enable this option to skip primary archiving **Additional Location:**
Browse and select a directory path as an additional archiving location

Add transaction-specific sub-directory: Enable this option to have a
sub-directory created for use with each transaction

Zip Archive Files: Enable this option to have archive files zipped

File Types: Source, Destination, or Both

Attempt Archive On: Success, Failure, or All Jobs

Pre-Job and Post-Job Processes

Custom Process: Execute custom scripts before or after file transfer

Zip Process: Configure ZIP, GZIP compression with optional encryption

Linked Job: Run another job after this initial job completes

Troubleshooting

Turn on Advanced Troubleshooting: Enable advanced details to be captured for troubleshooting purposes

Job History -
Monitoring and Management

View a list of Jobs, as well as details regarding Success, Start/End Times, current Status, Errors received, Data Transferred, and when Job runs next

Use "Page Size" to define number of Jobs per page on-screen

Use "Enter text to search" to filter the Job History list

Job History Fields

Job Name: Name of Job, as named in the "Jobs" menu of Titan MFT **Job Type:** Inbound, Outbound, or Sync, as defined in "Jobs" menu **Task State:** Current State (e.g. Completed, Scheduled)
Task Start Time: Date and Time of Job Starting

Task Completion Time: Date and Time of Job Completing

Status: Success or Failed

Error: Any relevant error if the Job failed

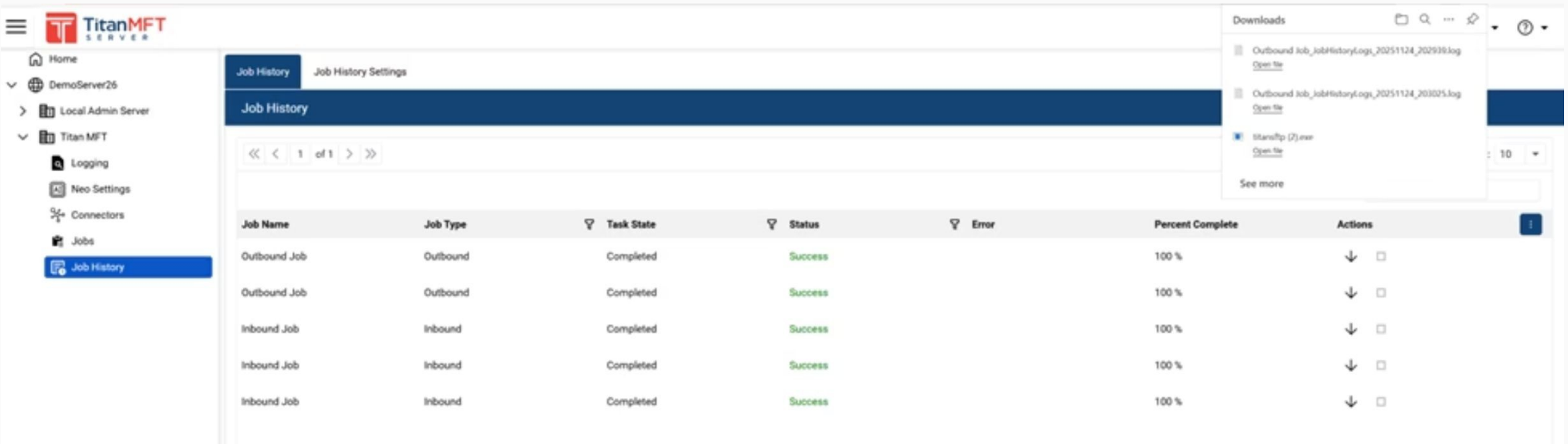
Files Transferred: Number of files transferred during the most recent run **Total Files to Transfer:** Total number of files to Transfer for the Job **Percent Complete:** Percentage of the Job completed
Next Scheduled: The next day and time the same Job is scheduled to run

Actions

Options available for a particular job

Download: Use this option to download the Job log file

Stop Job: This option is available if a Job is currently running. Use this option to immediately stop the Job



REST API

Titan supports a REST API that provides full CRUD (Create, Read, Upload, Download) operations and job execution capabilities, with support for GUID and job name look ups

1. List Jobs

Endpoint: GET /api/Servers/{serverGUID}/Jobs

Description: Returns a list of all jobs configured for the specified server

Parameters: serverGUID (path, required): The server GUID

Response Type: ApiResultServerJobList

Sample Request:GET /api/Servers/12345678-1234-1234-1234-123456789abc/Jobs

2. Run an Existing Job

Endpoint: POST /api/Servers/{serverGUID}/Jobs/{jobIdentifier}/Run

Description: Simplified endpoint to execute a job using its default configuration without request body

- **Parameters:**
  - serverGUID (path, required): The server GUID
  - jobIdentifier (path, required): Job name
  - byJobName (query, optional): Set to true to lookup by job name

Response Type: ApiResultJobRunResponse

Sample Requests:POST /api/Servers/{serverGUID}/Jobs/771017c0-6380-4704-8d82-dc440a3dcfc6/Run POST /api/Servers/{serverGUID}/Jobs/MyJobName/Run?byJobName=true

3. Create a New Job

Endpoint: POST /api/Servers/{serverGUID}/Jobs
Description: Creates a new job with the specified configuration **Parameters:**
serverGUID (path, required): The server GUID **Request Body:**
ApiServerJobList

Response Type: ApiResultServerJobList

4. Run a Job with Custom Variables

Endpoint: POST /api/Servers/{serverGUID}/Jobs/Run
Description: Executes a job with optional runtime variable overrides, allowing dynamic configuration without modifying the saved job

- **Parameters:**
  - serverGUID (path, required): The server GUID
  - Request Body: ApiJobRunRequest

Response Type: ApiResultJobRunResponse
Variable Name to Property Mapping:

- sourcefilename → SourceFilename
- sourcepath → SourcePath
- destinationpath → DestinationPath
- sourcedateformat → SourceDateFormat
- destinationdateformat → DestinationDateFormat
- zipfilenametemplate → ZipFilenameTemplate
- location → Location
- description → Description
- jobtype → JobType
- isallowzerobytefiles → IsAllowZeroByteFiles
- overwritetype → OverwriteType