

Installation Guide: Azure File Share Streamer (v1.1.0)

1. Prerequisites

Before installing the plugin, ensure the following requirements are met:

- **Appian Version:** 24.4+
 - **Permissions:** You must have **System Administrator** privileges in Appian to deploy plugins and configure the Secure Credentials Store (SCS).
 - **Azure Side:** * A Storage Account URL (e.g., <https://mystorage.file.core.windows.net>).
 - A target File Share name.
 - A **SAS Token** with at least **Read**, **Write**, **Create**, and **Delete** permissions.
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2. Deploying the Plugin (Appian Cloud / AppMarket)

For public cloud environments, follow these steps to deploy the approved version:

1. Navigate to the **Appian Administration Console**.
2. In the left-hand menu, select **Plug-ins**.
3. Click the **Add Plug-ins** button.
4. In the search bar, type "**Azure File Share Streamer**".
5. Select the plugin from the list and click **Deploy**.
6. **Verify:** Confirm the status is listed as **Enabled** in the plug-in list.

3. Configuring Secure Authentication (SCS)

To avoid hardcoding SAS tokens, follow these steps to set up the Secure Credentials Store:

1. In the **Admin Console**, navigate to **Third-Party Credentials**.
2. Click **Create New System**.
3. **System Key:** Enter a unique name (e.g., [AzureFileShare](#)).
4. Click **+Add Field**
5. **Field Name:** Add a field (e.g., [sasToken](#)).
6. **Value:** Add your **Azure SAS Token** into the field value.
7. Add plugin to the Plugin List
8. Click **Save**.

*The plugin also support passing in the SAS Token directly into the smart service node via the input "Manual Sas Token" but this is not recommended long term as the token is then exposed in PM Logs

4. Adding the Smart Service to a Process

Now that the plugin is installed and secured, you can use it in your workflows:

1. Open the **Appian Process Modeler**.
2. In the Search bar of the Palette, type "**Azure File Share Streamer**".
3. Drag the node onto your canvas.
4. **Setup Inputs:**
 - **AccountUrl:** Provide your base Azure URL (Best practice: use an Appian Constant e.g. "<https://<storageaccount>.file.core.windows.net>").
 - **ShareName:** Provide the name of your file share.
 - **FileName:** Provide the target filename (e.g., "[Report_](#) & now() & ".pdf").
 - **AppianDocumentId:** Map the ID of the document you wish to upload.
 - **ScsKey:** Enter the string "[azurefileshare](#)" (matching your SCS System Key).
 - **ScsField:** Enter the string "[sastoken](#)" (matching your SCS Field Key).

5. Post-Installation Smoke Test

To verify the installation is successful, run a debug process with the following:

1. **Test File:** Use a file larger than 4MB to ensure the chunked streaming is active.
2. **Expected Result:** The node should turn blue within seconds (1st test is often slower).
3. **Verification:** Log into the **Azure Storage Explorer** or the Azure Portal and confirm the file exists, the byte size matches the Appian source, and the file opens without corruption.