



SMB Adapter for SAP Integration Suite

Version 1.4.0 – April 2026

Contents

- 1 Introduction.....4
 - 1.1 Objective.....4
 - 1.2 Coding Samples.....4
 - 1.3 Internet Hyperlinks.....4
 - 1.4 Overview4
 - 1.5 Features.....5
- 2 Installation and Configuration.....6
 - 2.1 Adapter Installation on Cloud Foundry6
 - 2.1.1 Prerequisite6
 - 2.1.2 Procedure.....6
 - 2.1.2.1 Adapter Installation by Creating a New Integration Flow6
 - 2.1.2.2 Adapter Installation without Creating a New Integration Flow.....7
 - 2.1.3 Monitor the Deployment Status8
- 3 Getting Started: SMB Adapter.....9
 - 3.1 Architecture Overview9
 - 3.2 Application Configuration.....10
 - 3.2.1 SMB File Share Setup10
 - 3.2.2 On Prem Connectivity Setup.....10
 - 3.3 Authentication10
 - 3.3.1 Creating Credentials in Security Material.....10
 - 3.4 Operations Details11
- 4 SMB Adapter Configuration12
 - 4.1 SMB Sender Adapter12
 - 4.1.1 General.....12
 - 4.1.2 Connection Tab.....12
 - 4.1.3 Processing Tab14
 - 4.1.4 Scheduler Tab18
 - 4.2 SMB Receiver Adapter.....19
 - 4.2.1 General.....19
 - 4.2.2 Connection Tab.....19
 - 4.2.3 Processing Tab21
- 5 SMB Adapter Operations.....24

5.1	Create Directory	24
5.2	Create File.....	24
5.3	Delete File.....	25
5.4	List Objects	26
5.5	Read File.....	26
5.5.1	Read File using SMB Receiver Adapter.....	26
5.5.2	Read File using SMB Sender Adapter.....	27
5.6	Rename File.....	28
6	Support.....	29
6.1	Troubleshooting.....	29

1 Introduction

1.1 Objective

This is the official guide for the SMB Adapter for SAP Integration Suite. This guide covers all relevant information for integration developers to start working with the SMB adapter. Read this guide carefully before using the Adapter.

1.2 Coding Samples

Any software coding and/or code lines/strings ("Code") included in this documentation are only examples and are not intended to be used in a productive system environment. The Code is only intended to better explain and visualize the syntax and phrasing rules of certain coding. The correctness and completeness of the Code given herein are not guaranteed. The Code is compatible with supported API versions for SMB adapter (SMB 2.0.2, SMB 2.1, SMB 3.0, SMB 3.0.2, SMB 3.1.1).

1.3 Internet Hyperlinks

The documentation may contain hyperlinks to the Internet. These hyperlinks are intended to serve as a hint about where to find related information. The availability and the correctness of this related information or the ability of this information to serve a particular purpose are not warranted.

1.4 Overview

In many integration scenarios, files must be exchanged between applications or systems via SMB (Server Message Block protocol) servers. The SMB adapter allows connection from SAP Integration Suite to your SMB server to perform all the common CRUD operations for files and directories. Create your file-based integration solutions with ease using the SMB Adapter.

1.5 Features

SMB Adapter can be used to implement various file-based solutions, a few of them are:

- Supports reading files from multiple SMB folders.
- Secure authentication for Server Message Block (SMB) shares.
- Enables writing files to different SMB folders.
- Offers compatibility with various SMB dialects.
- On-Premise Connectivity to SMB via Cloud Connector.
- Supports connections to SMB using Encryption, DFS, and Signing.
- Allows adding a timestamp or Message ID to file names.
- Provides various file handling options such as override, append, fail, and ignore.
- Supports a rename locking strategy.
- Offers multiple post-processing methods when reading files.
- Includes duplicate checks to prevent reading the same file twice.
- Limits the maximum file size for reading.
- Supports Read Lock mechanism and Empty File Handling.

2 Installation and Configuration

This section details the prerequisites to install and configure the SMB adapter.



The SMB adapter is available as part of your SAP Integration Suite license.

2.1 Adapter Installation on Cloud Foundry

Before the SMB adapter can be used in the Cloud Foundry environment, it must be deployed to the SAP Integration Suite tenant.

2.1.1 Prerequisite

To deploy the SMB adapter, you must have access to *"SMB Adapter for SAP Integration Suite"* as part of your SAP Integration Suite license.

2.1.2 Procedure



The below installation procedure is compatible with Apache Camel 2, Apache Camel 3, and Edge Integration Cell (EIC) platform.

You can deploy the adapter using the following methods:

2.1.2.1 Adapter Installation by Creating a New Integration Flow

The SMB adapter is available for selection in the Sender and Receiver adapter list and can be deployed in the **Design** tab directly as you use it in an Integration flow.




Purpose

To install an adapter for use in your Integration flow.

Procedure

Go to **Design** workspace and select the integration package where you want to create a new Integration flow.

1. Click **Edit** to make the package editable.
2. Go to the **Artifacts** tab. Click **Add** and select **Integration Flow**.

3. Enter the **Name** and **ID** for your flow. Additionally, select **Runtime Profile** from the drop-down and choose **Sender** and **Receiver** systems from the list . Finally, click **Add** to create the integration flow.
4. Go to the newly created integration flow and click **Edit** to make it editable.
 - i) For the Sender, in the integration flow add a **Connector**  between the **Sender box** and the **Start**.
 - ii) For the Receiver, in the integration flow, click **End** to add a **Connector**  between the **End** and the **Receiver Box**.
5. A drop-down with the available adapters appears. The **SMB** adapter should show up in the list.
6. Select the **SMB** adapter from the list. The adapter is now imported which *triggers* an adapter deployment. Once the SMB Adapter is deployed, a success message is *displayed*.

After the above steps are done, the SMB Adapter is successfully deployed in your Design workspace of the SAP Integration Suite tenant.

2.1.2.2 Adapter Installation without Creating a New Integration Flow



The following procedure describes how the SMB adapter is migrated from the Discover workspace to the Design workspace of the SAP Integration tenant.

This method is useful for scenarios where integration flow packages are migrated from development to a higher environment such as Production. The SMB adapter can be imported into the Design workspace without creating an integration flow. Use the Transport Management Service (TMS) to import/transport the SMB adapter to a higher environment. Alternatively, if the TMS is not available in the landscape, the adapter package can be imported into the Design workspace by copying it from the Discover workspace.

Purpose

To import the SMB adapter to **Design** workspace by copying the integration package from **Discover** workspace.

Procedure

1. Go to **Discover** workspace.
2. In the search box, search for **SMB adapter for SAP Integration Suite** package.
3. Select the package and click **Copy**.
This copies the package from the Discover workspace to Design workspace.
4. Go to Design workspace and select the copied **SMB adapter for SAP Integration Suite** package.
5. In the **Actions** tab of the selected package, click **Deploy**.

This completes the adapter deployment to Design workspace.

2.1.3 Monitor the Deployment Status

After the adapter deployment is complete, you can check the status in the **Monitor** section.

Purpose

To check the status of the deployed adapter.

Procedure

1. Under the **Monitor** tab, click **Integrations and APIs**. This opens the **Overview** page.
2. On the **Overview** page, go to **Manage Integration Content** section and click **All**. This opens **Integration Content** page with a list of all the deployed adapters.
3. Here, you can check and confirm the deployment status of your adapter.

The screenshot displays the 'Manage Integration Content' interface. On the left, a table lists integration content items. The first item is 'SMB Integration Adapter' with a status of 'Started'. On the right, the details for the selected 'SMB' adapter are shown. The status is 'Started', and a green message box indicates 'The Integration Adapter is deployed successfully.' The details include deployment information: 'Deployed On: Aug 08, 2024, 15:20:23', 'Deployed By: [redacted]', 'ID: [redacted]', and 'Version: 1.0.0'. The package is identified as 'Microsoft SMB Adapter Testing'. There are also 'Undeploy' and 'Download' buttons at the top right of the details section.

Name	Status
SMB Integration Adapter	Started

SMB Undeploy Download

Deployed On: Aug 08, 2024, 15:20:23 ID: [redacted]
Deployed By: [redacted] Version: 1.0.0

Package: Microsoft SMB Adapter Testing

[Status Details](#) [Artifact Details](#)

The Integration Adapter is deployed successfully.

Artifact Details

Vendor: [redacted]

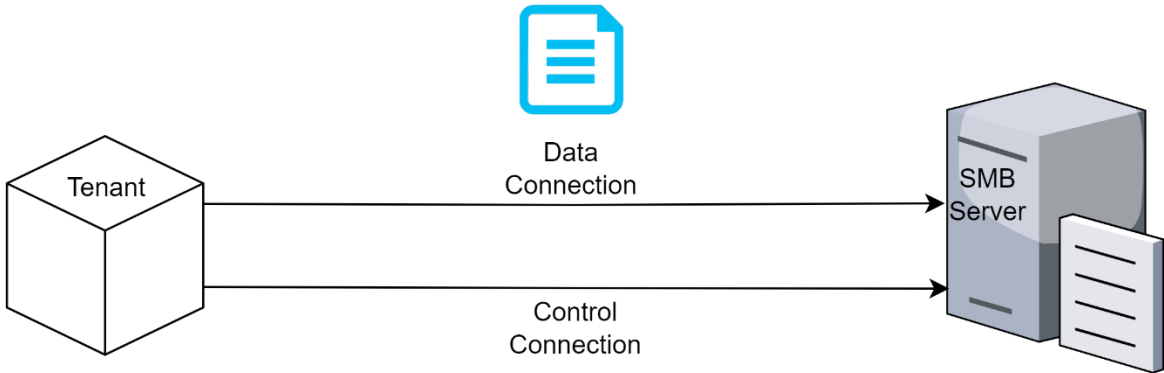
3 Getting Started: SMB Adapter

Before you start using the adapter, you can get to know the underlying [Architecture](#) for the adapter and [Application Configuration](#) for SMB.

3.1 Architecture Overview

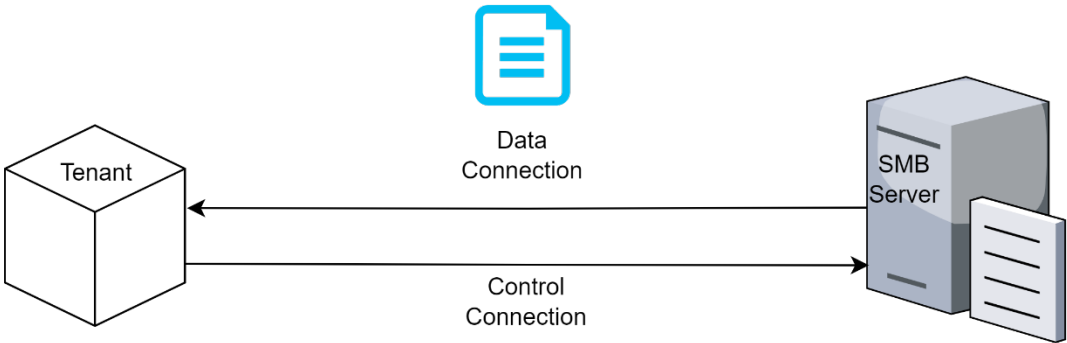
How the SMB Receiver Adapter Works: If you have configured a receiver SMB adapter, an application (or the user of an application) can access files in the following manner:

The SAP Integration Suite tenant sends a file or folder operation request to an SMB share drive and the data flow is in the same direction, from the tenant to the SMB server.



How the SMB Sender Adapter Works: If you have configured a sender SMB adapter, an application (or the user of an application) can access files in the following manner:

The SAP Integration Suite tenant sends a read operation request to an SMB share drive server, and the data flow is in the opposite direction, from the SMB server to the tenant.



3.2 Application Configuration

3.2.1 SMB File Share Setup

- To learn more about SMB protocol, see [Server Message Block \(SMB\) Protocol](#).
- To learn more about SMB file sharing, see [File Sharing using SMB 3 Protocol](#).

3.2.2 On Prem Connectivity Setup

- To learn more about Cloud Connector Connectivity, see [Cloud Connector Configuration](#).

3.3 Authentication

The SMB adapter supports uses Basic Authentication. You must use User Credentials to safely store the login details. These security artifacts can then be accessed in the adapter using aliases.

In the next section, the creation of Credentials in Security Material in SAP Integration Suite is discussed.

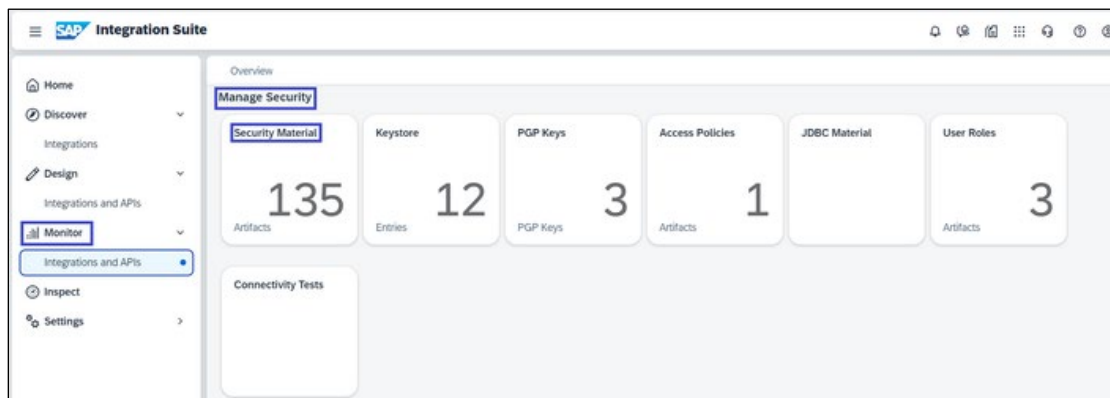
3.3.1 Creating Credentials in Security Material

Purpose

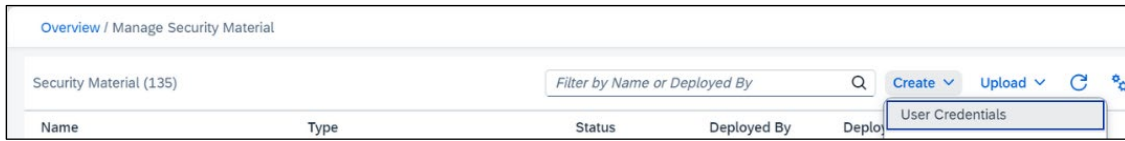
To create credentials in **Security Material** for authentication.

Procedure


1. In SAP Integration Suite, navigate to **Monitor > Integrations and APIs**. This opens the **Overview** page.
2. On the **Overview** page, go to **Manage Security** section and click **Security Material**.



3. On **Manage Security Material** page, click **Create** to select **User Credentials** from the dropdown.



4. In the **Create User Credentials** popup, provide the below details.

Field	Description
Name	Specify the name for the security artifact.  The artifact name is used as an alias for the confidential data assigned by this parameter.
Description	Enter a description for the artifact (optional).
Type	Select User Credentials . This allows you to configure a specific system to enable a connection with your integration flow artifact.
User	Specify the username used to invoke the receiver system.
Password	Specify the password against which the user must be authenticated.

5. Click **Deploy** to complete the process.

The Security artifact created above is used to connect to the SMB Application by configuring the **Connection tab** of the Adapter.

3.4 Operations Details

The following operations supported by the SMB adapter have been described in detail.

- [Create Directory](#)
- [Create File](#)
- [Delete File](#)
- [List Objects](#)
- [Read File](#)
- [Rename File](#)

4 SMB Adapter Configuration

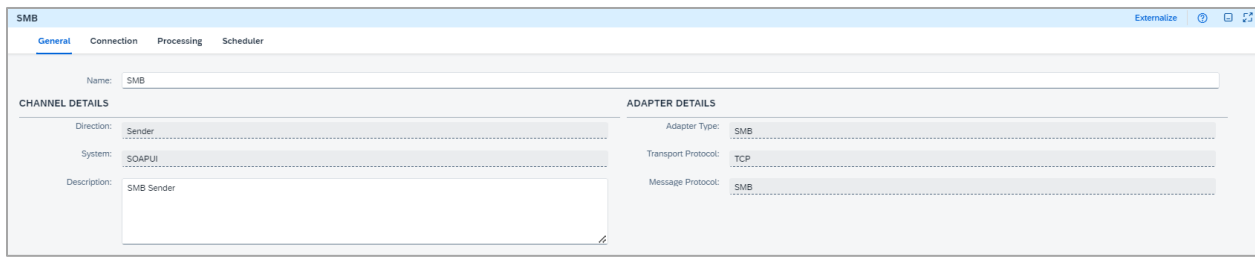
This section describes the parameters to be configured for your SMB adapter. You need to configure the **Connection** and **Processing** tabs. A description and example usage for each field has been added.

4.1 SMB Sender Adapter

In this section, you will learn how to configure the SMB receiver adapter. On selecting the SMB adapter from the list of adapters, you must configure the **General**, **Connection**, and **Processing** tabs.

4.1.1 General

The General tab provides an overview of basic adapter information including **Channel** and **Adapter** details.



Field	Description
Name	Specify the name of the adapter flow.
Description	Specify the description of the adapter.

4.1.2 Connection Tab

The Connection tab contains connection and authentication parameters for SMB. Before you set the connection details, see [Create User Credentials](#). Below is a sample screenshot of the **Connection** tab.

SMB

General **Connection** Processing Scheduler

CONNECTION

Address: * <smb_server>:<port>

Proxy Type: On-Premise ▾

Location ID: loc_zone

Domain:

SMB Dialect: Auto ▾

Share: * OrgShare

Authentication: Basic Authentication ▾

Credential Name: * FileCreds

Timeout (in secs): * 180

ADVANCED SETTING


Enable Encryption:



Enable DFS:

Enable Signing:

Maximum Reconnect Attempts: * 3

The connection tab contains the following fields:

Field	Description
Address	Specify the hostname or IP address of the SMB Server. Example: <ul style="list-style-type: none"> 51.21.73.311:445 fileserver:445
Domain	Specify the domain used for authentication.  Ensure that you provide the domain name here. Avoid mentioning domain as part of the User Credential.
Proxy Type	Specify the proxy type: <ul style="list-style-type: none"> Internet On-Premise
Location ID (Only available when Proxy Type is set to On-Premise).	Specify the Location ID from Cloud Connector. For more information, see On Premise Connectivity Setup .

Field	Description
SMB Dialect	<p>Select the SMB dialect or version to be used for communication.</p> <p> For SMB Dialect selection, take into consideration that SMB 2.x versions do not support encryption.</p> <p>Default: Auto</p>
Share	<p>Specify the SMB share folder which represents the network resource.</p> <p>Example: Assuming the mount path is <code>\\ServerName\ShareName</code>, you must specify Share as <code>ShareName</code>.</p>
Authentication	<p>Select the authentication type for connecting to the SMB server. Currently only Basic Authentication is supported.</p>
Credential Name	<p>Specify the name of the User Credentials security artifact used for authentication.</p>
Timeout (in secs)	<p>Specify the maximum waiting time (in seconds) for a response message from the SMB Server.</p> <p>Default: 180</p>
Enable Encryption	<p>Enable to turn on encrypted communication between the client and server.</p> <p> For any SMB 3.x dialect, this is a request to the server to turn on encryption if the server also supports it.</p>
Enable DFS	<p>Enable Distributed File System Share between the client and the server.</p>
Enable Signing	<p>Enable SMB Signing between the client and the server.</p>
Maximum Reconnect Attempts	<p>Specify the maximum number of retries permissible for reconnection to the SMB server before message processing starts.</p> <p>Default: 3</p>

4.1.3 Processing Tab

The Processing tab contains the operational configurations for the SMB Sender adapter. Below is a sample screenshot of the **Processing** tab.

SMB

General Connection **Processing** Scheduler

PROCESSING DETAILS

Operation: Read File ▾

Directory:* \

File Name: Sample.txt

Empty File Handling: Ignore ▾

Read Lock Strategy: Content Change ▾

Content Change Duration (in secs):* 120

Post-Processing: Delete File ▾


Execute Post-Processing when Message Successfully Processed:

Duplicate Check:

Max. Messages per Poll:* 10

Maximum File Size (in MB):* 40

The processing tab contains the following fields:

Field	Description
Operation	Specify the operation to be performed.
Directory	Specify the target directory. Use \ for the root directory. Default: \
File Name	Specify the filename to be read. Default: *
	Example: readfile.txt
	 The filename from Sender is available via the property - <code>\${property.CamelFileNameOnly}</code> for use through the iflow lifecycle and can be used in the Receiver.
Empty File Handling	Select how to handle empty files: <ul style="list-style-type: none"> • Ignore: Completely skip empty files without any processing. • Proceed with Empty File: Process Empty File.

Field	Description
Read Lock Strategy	Select the read lock strategy for polling: <ul style="list-style-type: none"> • Content Change: Detect modifications to the file for a duration specified by Content Change Duration field. • None - No read lock strategy applicable.
Content Change Duration (in secs) (Only available if Read Lock Strategy is set to Content Change)	Specify the minimum time (in seconds) during which the file must remain unchanged before it can be processed.
Post Processing	Specify the post processing options for the file after read operation is finished. <ul style="list-style-type: none"> ▪ Delete File removes the file after read operation completion. ▪ Keep File and Process Again retains the file after read operation completion. ▪ Move File copies the file to an archive directory (specified by Archive Folder) after read operation completion.
Archive Append Timestamp (Only available if Post Processing is set to Move File).	Enable to append timestamp to the filename. Example: If the file name is myfile.xml, the Archive Append Timestamp (for example, Mar 2, 1999, 09:07:05) option generates myfile762599225000.txt
Archive Folder (Only available if Post Processing is set to Move File)	Specify the target directory for the file to be archived. Example: folder\archive

Field	Description
<p>Execute Post-Processing when Message Successfully Processed</p> <p>(Only available if Post Processing is set to Move File or Delete File)</p>	<p>Enable to perform post processing actions after successful execution of Iflow.</p>
<p>Duplicate Check</p>	<p>Enable to avoid same file being read twice within the expiration period.</p>
<p>Duplicate Check Expiration Period (in secs)</p> <p>(Only available if Duplicate Check is enabled.)</p>	<p>Specify the value for Duplicate Check Expiration Period (in secs).</p>
<p>Max. Messages per Poll</p>	<p>Specify the maximum number of messages to be polled.</p>
<p>Maximum File Size (in MB)</p>	<p>Specify maximum size for the file to be picked up.</p> <p>Default: 40</p>

4.1.4 Scheduler Tab

SMB

General
Connection
Processing
Scheduler

Schedule on Day

Schedule to Recur

Schedule on Day

On Date

On Time

Every

Time Zone

Between

and

Parameter	Description
Schedule on Day	<p>Specify the frequency of file read on a specific date. You can specify using a combination of the below options.</p> <ul style="list-style-type: none"> On Date: Specify the date on which you want the message processing to be triggered. On Time: Specify the time at which you want the message processing to be triggered. Every: Specify a time period (for example, every hour) in a dedicated at which you want the message processing to be triggered. Time Zone: Select the time zone that you want the scheduler to use as a reference for the date and time settings.
Schedule to Recur	<p>Specify the frequency for recurrence:</p> <ul style="list-style-type: none"> Daily: Select the time or interval and time zone for the schedule to recur. Weekly: Select the checkboxes to indicate the days of the week on which the message processing should be triggered. Also, specify the time or interval and time zone for the schedule to recur. Monthly: Select the day of the month on which the message processing should be triggered. Also, indicate the time or interval and time zone for the schedule to recur.

4.2 SMB Receiver Adapter

In this section, you will learn how to configure the SMB receiver adapter. On selecting the SMB adapter from the list of adapters, you must configure the **General**, **Connection**, and **Processing** tabs.

4.2.1 General

The General tab provides an overview of basic adapter information including **Channel** and **Adapter** details.

The screenshot shows the 'SMB' configuration window with the 'General' tab selected. The 'Name' field contains 'SMB'. The 'CHANNEL DETAILS' section includes 'Direction' set to 'Receiver', 'System' set to 'Calculator_WS', and 'Description' set to 'SM Receiver Demo'. The 'ADAPTER DETAILS' section includes 'Adapter Type' set to 'SMB', 'Transport Protocol' set to 'TCP', and 'Message Protocol' set to 'SMB'.



Field	Description
Name	Specify the name of the adapter flow.
Description	Specify the description of the adapter.


4.2.2 Connection Tab

The Connection tab contains connection and authentication parameters for SMB. Before you set the connection details, see [Create User Credentials](#). Below is a sample screenshot of the **Connection** tab.

The screenshot shows the 'SMB' configuration window with the 'Connection' tab selected. The 'CONNECTION' section includes 'Address' (placeholder: <smb_server>:<port>), 'Proxy Type' (Internet), 'Domain', 'SMB Dialect' (Auto), 'Share' (OrgShare), 'Authentication' (Basic Authentication), 'Credential Name' (FileCreds), and 'Timeout (in secs)' (180). The 'ADVANCED SETTING' section includes 'Enable Encryption', 'Enable DFS', 'Enable Signing' (all unchecked), and 'Maximum Reconnect Attempts' (3).

The connection tab contains the following fields:

Field	Description
Address	Specify the hostname of the SMB Server. Example: <code>fileserver:445</code>
Proxy Type	Specify the proxy type: <ul style="list-style-type: none"> • Internet • On-Premise
Location ID (Only available when Proxy Type is set to On-Premise).	Specify the Location ID from Cloud Connector. For more information, see On Premise Connectivity Setup .
Domain	Specify the domain used for authentication.  Ensure that you provide the domain name here. Avoid mentioning domain as part of the User Credential.
SMB Dialect	Select the SMB dialect or version to be used for communication.  For SMB Dialect selection, take into consideration that SMB 2.x versions do not support encryption. Default: Auto
Share	Specify the SMB share folder which represents the network resource. Example: Assuming the mount path is <code>\\ServerName\ShareName</code> , you must specify Share as <code>ShareName</code> .
Authentication	Select the authentication type for connecting to the SMB server. Currently, only Basic Authentication is supported.
Credential Name	Specify the name of the User Credentials security artifact used for authentication.
Timeout (in secs)	Specify the maximum waiting time (in seconds) for a response message from the SMB Server. Default: <code>180</code>

Field	Description
Enable Encryption	<p>Enable to turn on encrypted communication between the client and server.</p> <div style="background-color: #e6f2ff; padding: 5px;">  <ul style="list-style-type: none"> For any SMB 3.x dialect, ensure to turn on encryption if the SMB server is encrypted. In case the server is not encrypted, disable this field. </div>
Enable DFS	Enable Distributed File System Share between the client and the server.
Enable Signing	Enable SMB Signing between the client and the server.
Maximum Reconnect Attempts	<p>Specify the maximum number of retries permissible for reconnection to the SMB server before message processing starts.</p> <p>Default: 3</p>

4.2.3 Processing Tab

The Processing tab contains the operational configurations for the SMB receiver adapter. Below is a sample screenshot of the **Processing** tab.

SMB

General
Connection
Processing

PROCESSING DETAILS

Operation: Create File ▼

Directory: * \temp\new

Create Directories:

File Name: * CDS_temp.txt

Append Timestamp:

Append MessageId:

Existing File Handling: Ignore ▼


Empty File Handling: Ignore ▼

Read Lock Strategy: Rename ▼

Temporary File Name: * \${file:name}.temp ▼

The processing tab contains the following fields:

Field	Description
Operation	Select an operation to be executed.
Directory	Specify the target directory. Use \ for the root directory. Default: \ Example: folder1\subfolder1
Create Directories	Enable to create missing directories mentioned in Directory .
File Name	Specify the filename including the extension. Example: read.txt
Object Type (Only available if operation List Objects is selected).	Select the type of object to be listed. <ul style="list-style-type: none"> • All • File • Directory
Maximum File Size (in MB)	Specify maximum size for the file to be picked up. Default: 40
Append Timestamp	Enable to append timestamp to the filename. Example: If the file name is myfile.xml, the Append Timestamp (for instance, Mar 2, 1999, 09:07:05) option generates myfile762599225000.xml.
Append MessageId	Enable to append Messageid to the filename. Example: If the file name is myfile.xml, the Append MessageId (for instance, 313214755) option generates myfile313214755.xml.
Existing File Handling	Select to specify behaviour in case the file to be created already exists. <ul style="list-style-type: none"> • Append adds the payload to an existing file. • Fail sends an error message in case the file already exists. • Ignore disregards the file creation operation without sending any error message. • Override replaces existing file by overwriting content with new payload.
Empty File Handling	Select to specify behaviour in case the file to be created is empty. <ul style="list-style-type: none"> • Ignore disregards the empty file and does not send an error message. • Proceed with Empty File creates a file even if payload is empty. Default: Proceed with Empty File

Field	Description
<p>Read Lock Strategy</p> <p>(Only available if parameter Existing File Handling is set to Override, Fail, Ignore)</p>	<p>Select read lock strategy for file creation operation.</p> <ul style="list-style-type: none"> • None does not employ any read lock strategy during file creation. • Rename writes to a temporary file if the file exists. Once file write is completed, the file is saved under the original name. <p>Example: If the file name is <code>myfile.xml</code>, Rename enables writes to the <code>myfile_temp.xml</code> Once write is completed, it is saved as <code>myfile.xml</code></p> <p>Default: None</p>
<p>Temporary File Name</p> <p>(Only available if Read Lock Strategy is set to Rename)</p>	<p>Select the unique temporary filename pattern. The filename has to be unique so that the temporary file is not overwritten by messages running in parallel. This can be achieved by using variable parts in the filename.</p> <p>Example:</p> <ul style="list-style-type: none"> • <code>\${file:name}.temp</code> • <code>target_\${exchangeId}.temp</code> <div data-bbox="487 919 1036 993" style="background-color: #e6f2ff; padding: 5px; border: 1px solid #add8e6;">  This is a mandatory and editable field. </div>
<p>Original Object Name</p>	<p>Specify the original name of the file to be renamed.</p> <p>Example: <code>new.txt</code></p>
<p>New Object Name</p>	<p>Specify the updated name of the file to be renamed.</p> <p>Example: <code>updated.txt</code></p>

5 SMB Adapter Operations

This section describes some Create, Read, Update, Delete(CRUD) operations supported by the SMB adapter.

5.1 Create Directory

This operation allows the creation of a new directory at a specified location in the SMB server.

The configuration details are as follows:


Field	Description
Operation	Select Create Directory .
Directory	Specify the target directory. You can specify the root directory using \ Example: <code>folder\subfolder</code>

5.2 Create File

This operation allows creation of a new file at a specified location in the SMB server.

The configuration details are as follows:

Field	Description
Operation	Select Create File
Directory	Specify the target directory. You can specify the root directory using \ Example: <code>folder\subfolder\subfolder1</code>
Create Directories	Enable to create any missing directories in the Directory .
Filename	Specify the name of the file to be created.
Append Timestamp	Enable to append the timestamp to the filename. Example: If the file name is myfile.xml, the Append Timestamp (for example, Mar 2, 1999, 09:07:05) option generates myfile762599225000.txt
Append MessageId	Enable to append messageid to the filename. Example: If the file name is myfile.xml, the Append MessageId (for example, 313214755) option generates myfile313214755.txt

Field	Description
Existing File Handling	<p>Select the following scenarios if a file with the same name already exists.</p> <ul style="list-style-type: none"> • Override replaces existing file by overwriting content with new payload. • Fail sends an error message in case the file already exists. <div data-bbox="565 422 1360 682" style="border: 1px solid #ccc; background-color: #e6f2ff; padding: 10px; margin: 10px 0;"> <p> Example: WriteFile operation with msgID : msgID failed with error: STATUS_OBJECT_NAME_COLLISION (0xc0000035): Accessing object for the operation 'Create' failed for \\SMBDrive\myfile.txt</p> </div> <ul style="list-style-type: none"> • Ignore disregards the file creation operation without sending any error message. • Append adds the payload to an existing file.
Empty File Handling	<p>Select mechanism to handle empty file:</p> <ul style="list-style-type: none"> • Ignore disregards the empty file and does not send an error message. • Proceed with Empty File creates a file even if payload is empty. <p>This field is set to Proceed with Empty File by default.</p>
Read Lock Strategy	<p>Select read lock strategy for file creation operation:</p> <ul style="list-style-type: none"> • None does not employ any read lock strategy during file creation. • Rename writes to a temporary file if the file exists. Once file write is completed, the file is saved under the original name. <p>Example: If the file name is <code>myfile.xml</code>, Rename enables writes to file specified in Temporary File Name. This field is set to None by default.</p>
Temporary File Name	<p>Select the unique temporary filename pattern. The filename has to be unique so that the temporary file is not overwritten by messages running in parallel. This can be achieved by using variable parts in the filename.</p> <p>Example:</p> <ul style="list-style-type: none"> • <code>\${file:name}.temp</code> • <code>target_\${exchangeId}.temp</code>

5.3 Delete File

This operation allows deletion of a file at a specified location in the SMB server. The configuration details are as follows:

Field	Description
Operation	Select Delete File
Directory	Specify the target directory. You can specify the root directory using \ Example: folder\subfolder
Filename	Specify the name of the file to be deleted. Example: log.txt

5.4 List Objects

This operation allows listing a file or directory based on the input Object Type. The configuration details are as follows:

Field	Description
Operation	Select List Objects
Directory	Specify the target directory. You can specify the root directory using \ Example: folder\subfolder
Filename	Specify the name of the file to be listed. You can also use pattern like *.xml When left empty all the files in the specified directory are read.
Object Type	Type of object: <ul style="list-style-type: none"> • All • File • Directory

5.5 Read File

5.5.1 Read File using SMB Receiver Adapter

This operation allows reading a file located on the SMB server. The configuration details are as follows:

Field	Description
Operation	Select Read File
Directory	Specify the target directory. You can specify the root directory using \ Example: folder\subfolder

Field	Description
Filename	Specify the name of the file to be read. Example: <code>readme.xml</code>
Maximum File Size (in MB)	Specify maximum file size for the read operation. The default value is 40 MB. Example: <code>30</code>

5.5.2 Read File using SMB Sender Adapter

This operation allows reading a file located on the SMB server. The configuration details are as follows:

Field	Description
Operation	Select Read File
Directory	Specify the target directory. You can specify the root directory using <code>\</code> Example: <code>folder\subfolder1</code>
Filename	Specify the name of the file to be read. Example: <code>temp.xml</code>
Empty File Handling	Select how to handle empty files: <ul style="list-style-type: none"> • Ignore: Completely skip empty files without any processing. • Proceed with Empty File: Process Empty File.
Read Lock Strategy	Select the read lock strategy for polling: <ul style="list-style-type: none"> • Content Change: Detect modifications to the file for a duration specified by Content Change Duration field. • None - No read lock strategy applicable.
Content Change Duration (in secs)	Specify the minimum time (in seconds) during which the file must remain unchanged before it can be processed. Example: <code>120</code>
Post Processing	Specify the post processing options for the file after read operation is finished. Example: Move File
Archive Append Timestamp	Enable to append timestamp to the filename. Example: If the file name is <code>myfile.xml</code> , the Archive Append Timestamp (for example, Mar 2, 1999, 09:07:05) option generates <code>myfile762599225000.txt</code>

Field	Description
Archive Folder	Specify the target directory for archived files. Example: <code>folders\archive</code>
Duplicate Check	Enable to avoid same file being read twice within the expiration period.
Duplicate Check Expiration Period (in secs)	Specify the duration for Duplicate Check (in secs). Example: <code>10</code>
Max. Messages per Poll	Maximum number of messages to gather in each poll. Example: <code>5</code>
Maximum File Size (in MB)	Specify maximum file size for the read operation. The default value is 40 MB. Example: <code>30</code>

5.6 Rename File

This operation allows you to rename the file on the SMB server. The configuration details are as follows:

Field	Description
Operation	Select Read File
Directory	Specify the target directory. You can specify the root directory using \ Example: <code>folder\subfolder</code>
Original Object Name	Specify the original name of the file to be renamed. Example: <code>new.txt</code>
New Object Name	Specify the name of the file to be renamed. Example: <code>updated.txt</code>

6 Support

6.1 Troubleshooting

Scenario	Error Message	Possible Reason
Filename has special characters that are not supported.	<pre><Exception><Message>WriteFile operation failed with error: STATUS_INVALID_PARAMETER (0xc000000d): SetInfo failed for SMB2FileId{persistentHandle=b3 28 38 00 74 00 00 00}</Message></Exception></pre>	This will result in a failure scenario and may create a file on your server which is unusable or corrupted.