

Building block Configuration Guide
Notify SFTP File Pick up failure
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English

CUSTOMER

Notify SFTP File Pick up failure

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1 Prerequisites

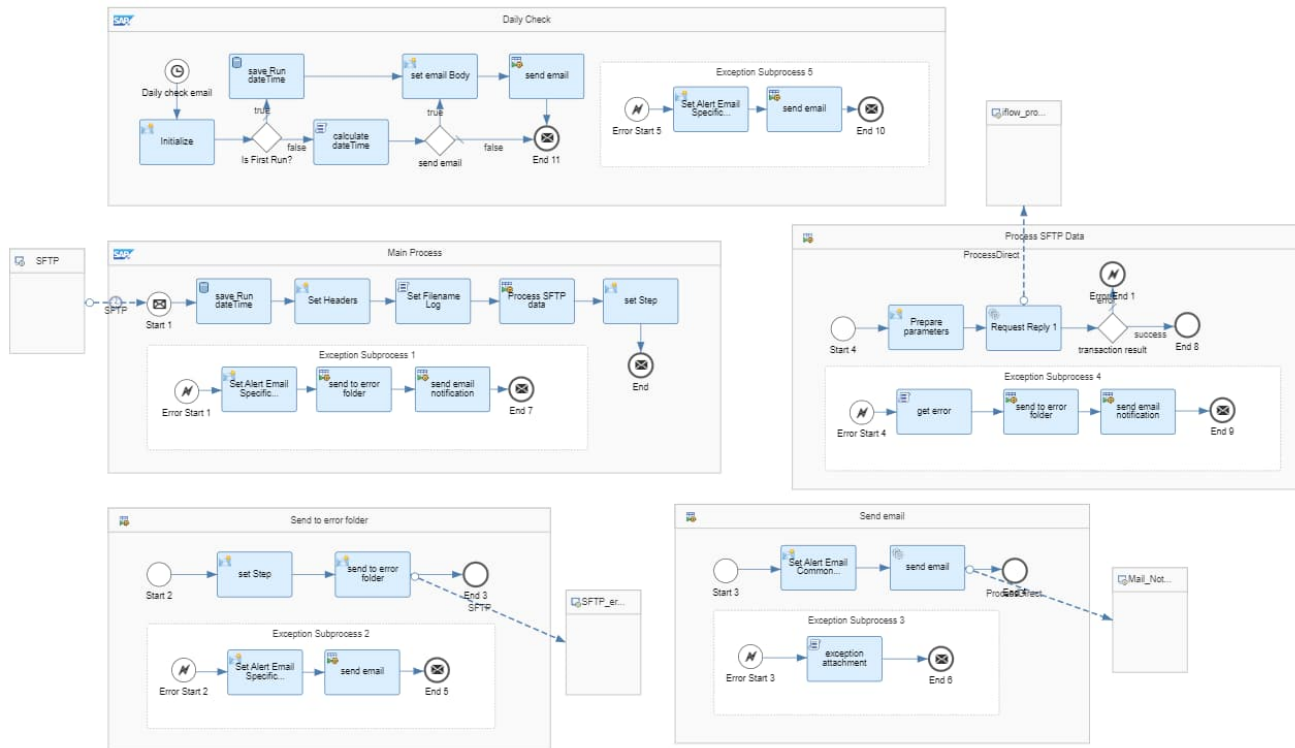
The following prerequisites are needed in order to use this content:

- Source would be SFTP
- Necessary authorization/authentication requirements between source SFTP server and Cloud Integration are in place
- Mail Account to send out notifications

2 Documentation

This document aims to provide technical information for the interface design for SFTP interface email notification for no file pickup scenario.

Local variable is utilized to store the last run date time of the interface which will be used to determine whether the interface processed an incoming file within the set offset time configured to send the notification.



1. Daily Check
 - Initialize
 - o Pickup SFTP_FilePickUp_LastRunDateTime variable containing last interface run
 - Check SFTP_FilePickUp_LastRunDateTime value
 - o Empty – save current run into the local variable and send email
 - o Not Empty – proceed with next steps
 - Calculate DateTime
 - o Depending on configuration, this step will determine whether to send email or not
 - o Calculation:
 - $(\text{Current run date time} - \text{offset hours} - 1 \text{ minute}) = \text{cutoff date time}$
 - IF cutoff date time > last run date time, SEND EMAIL
 - ELSE, do not send email
2. Main Process
 - Save run date time in variable (interface will only run if it detects the presence of the file)
 - Set headers for logging purposes
 - Set filename log and prepare for sending to file data process Integration Flow
 - Send to file data process Integration Flow
3. Process SFTP Data
 - Prepare payload
 - Send to ProcessDirect call to a file data process Integration Flow
 - Determine result
 - o Success: proceed to archiving of file to designated folder on the SFTP Adapter configuration
4. Send to error folder
 - In case of error, send file to designated error folder
5. Send email
 - Send email notification via ProcessDirect to custom Integration Flow

3 Configuration steps on SAP Cloud Integration

3.1 Configure Timer

SFTP file pick up check logic in the Integration Flow is triggered via a timer. The configuration precision in terms of scheduling when the run check will happen and the actual polling schedule of the file from source SFTP is the key point of the check logic. Set the check run timer with 1-2 mins adjustment from last run datetime of SFTP scheduled timer.

- Example:
 - o Scheduled SFTP run timer: every 5 minutes between 12:00am-2:00am
 - o Dailly check timer: 2:01am or 2:02am

3.2 Configure Sender Adapter

Configure the connection to SFTP server to read file, please refer to [Configure the SFTP Sender Adapter](#).

- Sender: SFTP

3.3 Configure Receiver Adapter

Configure the connection to the Integration Flow of process file data:

- Receiver: iflow_processFileData
 - Address: Specifies the Process Direct destination to process SFTP file data, e.g. /S4_inboundFile.

Configure the connection to SFTP server to put processing failed file, please refer to [Configure the SFTP Receiver Adapter](#).

- Receiver: SFTP_error

Configure the connection to the Integration Flow of send email:

- Receiver: Mail_Notification
 - Address: Specifies the Process Direct destination to Mail Notification, e.g. /email_notif.

3.4 Configure Parameter

- mail_subject: Mail Adapter Subject, e.g. Notification of missed pick up
- mail_to: E-mail address that the message is sent to.
- Message Type: message type
- Offset in hours: for run check procedure
 - o How many hours back to check for file pickup?
 - o Start time for offset check will depend on scheduled time for run check in the previous screenshot.
- PGP signature mode:
 - o O - Optional
 - o R - Required
 - o N - None
 - o Blank – no decryption to happen
- PGP Signer User ID: for PGP decryption
- Receiver: receiver system
- Sender: sender system
- WRICEF ID: WRICEF ID,e.g. INT_001

