D

Direction: **FTP → HTTP**.  
This is a very common **polling scenario** in SAP Integration Suite (Cloud Integration) — reading a file from an FTP server and sending its contents to a REST endpoint.

Below is a **complete example scenario** you can implement and test easily.

**🌐 Scenario Overview: “FTP to HTTP – Send File Content to REST API”**

**Goal**

Read a text or CSV file from an FTP server (ftp.dlptest.com) and send its content to an HTTP endpoint (for example, a test service like https://webhook.site or https://postman-echo.com/post).

**🧩 Step-by-Step Configuration**

**1️⃣ Create the iFlow**

In SAP Integration Suite → *Design* → *Integration Flow* → *Create New iFlow*  
Name it: **FTP\_to\_HTTP\_FileUpload**

**2️⃣ Add Sender Adapter (FTP)**

* Adapter Type: **FTP**
* **Address**: ftp.dlptest.com
* **Proxy Type**: Internet
* **Credential Name**: FTP\_Credentials  
  (Create under *Monitor → Security Material* → *User Credentials*  
  Username: dlpuser  
  Password: rNrKYTX9g7z3RgJRmxWuGHbeu)
* **Directory**: /
* **File Name Pattern**: FilefromIntegrationSuite.txt
* **Processing Mode**: *Delete* (so it removes the file after reading)
* **Polling Interval**: e.g., 1 minute (for test)
* **Transfer Mode**: *Binary* (if text, still fine)
* **Advanced**: Check *Use Passive Mode*

**3️⃣ Add a Content Modifier (Optional)**

Use this if you want to wrap the file content into JSON or add metadata before sending to HTTP.

Example:

* **Message Body (Type = Expression):**
* {
* "source": "FTP Server",
* "filename": "${in.header.CamelFileNameOnly}",
* "data": "${in.body}"
* }
* This transforms the plain file content into a JSON payload.

**4️⃣ Add Receiver Adapter (HTTP)**

* Adapter Type: **HTTP**
* **Address**: https://postman-echo.com/post  
  (or create your own temporary webhook at https://webhook.site)
* **HTTP Method**: POST
* **Authentication**: None (for test)
* **Content-Type**: application/json (if you used the Content Modifier)
* **Connection Timeout**: 60 seconds

**5️⃣ Deploy the iFlow**

Deploy → wait until status = *Started*

**Step-by-Step Testing Guide**

**1️⃣ Confirm the iFlow is deployed and active**

In SAP Integration Suite →  
**Monitor → Integrations → Manage Integration Content**

Check that your iFlow (e.g., FTP\_to\_HTTP\_FileUpload) has:

* Status: ✅ **Started**
* Type: Integration Flow

If not, click **Deploy** and wait until it turns green.

**Step 1: Create the folder and file**

In Command Prompt:

mkdir C:\temp

echo Hello from Integration Suite > C:\temp\FilefromIntegrationSuite.txt

That will:

* Create the folder C:\temp (if missing)
* Create the file FilefromIntegrationSuite.txt with a simple text line.

**Step 2: Confirm the file exists**

Check:

dir C:\temp

You should see something like:

FilefromIntegrationSuite.txt

**Step 3: Re-run the upload command**

Now retry:

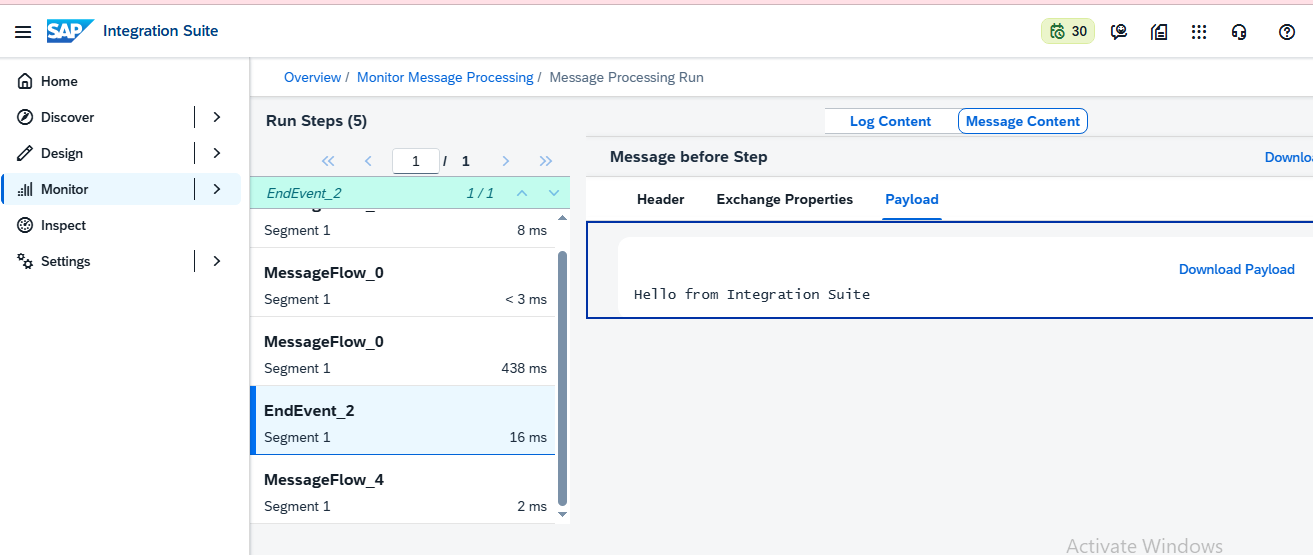
curl -T C:\temp\FilefromIntegrationSuite.txt -u dlpuser:rNrKYTX9g7z3RgJRmxWuGHbeu ftp://ftp.dlptest.com/FilefromIntegrationSuite.txt

If everything is correct, you’ll see output similar to:

% Total % Received % Xferd Average Speed Time Time Time Current

100 0 100 26 0 0 2600 0 --:--:-- --:--:-- --:--:-- 2600

✅ That means the file was uploaded successfully to the FTP server.

  
  
You will get this Output