

Automate Powerfleet Report Downloads with Power Automate

Customer setup guide · October 2026

Overview

The **Download Powerfleet Report Files** flow saves every scheduled report Powerfleet emails you to a OneDrive folder automatically, with no need to click the download link.

Powerfleet report emails no longer carry attachments. Each email lists the report under **Document**, linked to a secure download address. When a report email arrives, the flow:

1. Reads the email body and finds the report download link (including links rewritten by Microsoft Defender Safe Links).
2. Removes duplicate links, because the email contains the same link more than once.
3. Downloads each report with an HTTP GET request.
4. Checks that a file came back, not a web page.
5. Saves the file to the **Powerfleet Reports** folder in OneDrive under its original name.

Emails it handles: messages from `donotreply@powerfleet.com` or `noreply@powerfleet.com` that arrive in your Inbox.

Requirements

Requirement	Details
Microsoft 365 work account	Outlook (Exchange Online) and OneDrive for Business
Power Automate Premium license	Required for the HTTP action. Check with your IT team if you are unsure which license you have.
HTTP allowed by your organization	Some organizations block the HTTP connector through data policies. Your Power Platform admin can confirm.
Time	About 10 minutes to import, or 30 minutes to build by hand

Download links stay valid for a limited time after each report is generated. Because the flow runs as soon as the email arrives, expiry is not a concern in normal use.

Before you start

1. **Create the OneDrive folder.** In OneDrive, create a folder named **Powerfleet Reports** at the top level.
2. **Find your report link domain.** Open any Powerfleet report email, right-click the report name under **Document**, and choose **Copy link**. Paste it into Notepad. Look for the address that starts with **report-sigma.** and ends with **.mixtelematics.com**.
3. **Note which domain you have.** You will enter it in the flow.

Report region	Report link domain
United States	report-sigma.us.mixtelematics.com
United Kingdom / Europe	report-sigma.uk.mixtelematics.com

If your link is wrapped in a long address starting with **safelinks.protection.outlook.com**, the domain appears inside it after **url=https%3A%2F%2F**.

Option 1: Import the package (recommended)

Use the file **DownloadPowerfleetReportFiles.zip** provided by Powerfleet.

Import

1. Go to make.powerautomate.com and sign in with your work account.
2. Select **My flows**, then **Import > Import Package (Legacy)**.
3. Select **Upload**, choose the zip file, and wait for the upload to finish.
4. Under **Review Package Content**, check that the flow's Import Setup is **Create as new**.
5. Under **Related resources**, select **Select during import** next to **Office 365 Outlook Connection**. Pick your existing Outlook connection, or select **+ Create new** and sign in. Select **Save**.
6. Repeat for **OneDrive for Business Connection**.
7. Select **Import**. When it finishes, select **Open flow**.

Finish setup (required)

The imported flow still points to Powerfleet's mailbox folder and region. Update these two settings before turning it on.

1. Select the trigger **When a new email arrives (V3)**. Under **Folder**, select the folder icon and choose your **Inbox**. Leave **From** as **donotreply@powerfleet.com;noreply@powerfleet.com**.

2. Select **Initialize variable**. Set **Value** to your report link domain from *Before you start* (for example `report-sigma.us.mixtelematics.com`).
3. Optional: to save somewhere other than `Powerfleet Reports`, open **Apply to each > Condition > True > Create file** and change **Folder Path**.
4. Select **Save**, then go back to the flow's details page and make sure **Status** is **On**. If it is off, select **Turn on**.

If the import screen does not offer **Import Package (Legacy)**, your organization has disabled it. Use Option 2 instead.

Option 2: Build the flow by hand

Use this if you cannot import the package. Name each action exactly as shown, because later expressions refer to actions by name.

To enter an expression: click in the field, type `/`, choose **Insert expression**, paste the expression, and select **Add**.

Step 1: Create the flow

In Power Automate, select **Create > Automated cloud flow**. Name it `Download Powerfleet Report Files`, choose the trigger **When a new email arrives (V3)** (Office 365 Outlook), and select **Create**.

Step 2: Set up the trigger

Under **Advanced parameters**, tick these and fill them in. Leave **To** blank.

Setting	Value
From	<code>donotreply@powerfleet.com;noreply@powerfleet.com</code>
Include Attachments	No
Folder	Inbox

Step 3: Initialize variable

Add **Initialize variable**.

Setting	Value
Name	<code>ReportLinkDomain</code>
Type	String
Value	your report link domain, for example <code>report-sigma.us.mixtelematics.com</code>

Step 4: Select

Add **Select** (under Data Operation). Keep the name `Select`.

From (expression):

```
skip(split(replace(triggerOutputs()?['body/body'],'&','&'),variables('ReportLinkDomain')),1)
```

Map: in **Enter key**, type `url`. In **Enter value**, insert this expression:

```
concat('https://', variables('ReportLinkDomain'), if(startsWith(item(), '%2F'), decodeURIComponent(first(split(item(), '&'))), first(split(item(), ''))))
```

Step 5: Compose, renamed UniqueLinks

Add **Compose** and rename it **UniqueLinks** (select ... on the action, then **Rename**). Inputs (expression):

```
union(body('Select'), body('Select'))
```

Step 6: Apply to each

Add **Apply to each** (also shown as **For each**, under Control). Input (expression):

```
outputs('UniqueLinks')
```

Add steps 7 to 9 **inside** this loop. If Power Automate adds a second loop by itself, drag the actions into the first loop and delete the extra one.

Step 7: Compose, renamed FileName

Inputs (expression):

```
decodeURIComponent(last(split(first(split(item()?['url'], '?')), '/')))
```

Step 8: HTTP

Add the built-in **HTTP** action (not "HTTP with Microsoft Entra ID"). Keep the name **HTTP**.

Setting	Value
Method	GET
URI	expression <code>item()?['url']</code>
Headers and Body	leave empty

Step 9: Condition and Create file

Add **Condition** (under Control):

Setting	Value
Left value	expression <code>string(outputs('HTTP')?['headers']?['Content-Type'])</code>
Operator	does not contain
Right value	<code>text/html</code>

In the **True** branch, add **Create file** (OneDrive for Business):

Setting	Value
Folder Path	<code>/Powerfleet Reports</code>
File Name	expression <code>outputs('FileName')</code>

Setting	Value
File Content	expression <code>body('HTTP')</code>

Leave the **False** branch empty, or add **Send an email (V2)** to yourself with the body `item()?['url']` to be told when a link does not return a file.

Select **Save** and confirm the Flow checker shows no errors.

The finished flow looks like this:

```
When a new email arrives (V3)
Initialize variable (ReportLinkDomain)
Select
UniqueLinks
Apply to each
  FileName
  HTTP
Condition
  True: Create file
  False: (empty)
```

Test the flow

The flow only runs on new emails. Forwarding an old report email will not trigger it, because the sender changes to you.

1. Open the flow and select **Test > Manually > Test**. The flow now waits for an email.
2. Ask your Powerfleet contact to send a report now, or wait for the next scheduled report.
3. When the email arrives, open the run and check each step:

- ☐ **Select** shows a link starting with `https://report-sigma.`
- ☐ **Apply to each** ran once per report file in the email (usually once)
- ☐ **HTTP** returned status 200
- ☐ **Condition** went to **True**
- ☐ The report file is in your `Powerfleet Reports` OneDrive folder and opens

Troubleshooting

What you see	Likely cause	Fix
The flow does not run when a report arrives	The trigger's Folder still points to Powerfleet's mailbox after import, or the sender address does not match	Reselect Inbox in the trigger's Folder field. Check the sender of your report email matches one of the From addresses.
Run succeeded but nothing was saved	<code>ReportLinkDomain</code> does not match the domain in your links, so no links were found	Recheck the domain (<i>Before you start</i>) and update Initialize variable
HTTP fails with <code>Cannot deserialize ... into type 'System.Uri'</code>	The URI is <code>item()</code> instead of <code>item()?['url']</code>	Set the HTTP URI to <code>item()?['url']</code>
HTTP fails with 403	The download link has expired	Ask your Powerfleet contact to resend the report
HTTP action is unavailable or blocked	No Premium license, or HTTP is blocked by your organization's data policy	Ask your IT or Power Platform admin
Condition goes to False	The link returned a web page instead of a file	Paste the link from the Select output into a private browser window to see what it returns
Create file fails because the file already exists	A report with the same name was saved before	Set File Name to <code>concat(utcNow('yyyyMMddHHmmss'), '_', outputs('FileName'))</code>
The same report is saved more than once	Apply to each uses <code>body('Select')</code> , or a second loop was added	Set the loop input to <code>outputs('UniqueLinks')</code> and keep only one loop
Expression error naming an action	An action was not named exactly as in this guide	Rename the action to <code>Select</code> , <code>UniqueLinks</code> , <code>FileName</code> or <code>HTTP</code>

Keep report links private. The download links need no login, so anyone with a link can open that report until it expires. Remove links from screenshots before sharing them.

Still stuck? Contact your Powerfleet account team or support@powerfleet.com with a screenshot of the failed step.