

## Jamf PowerBI Basic Installation Instructions for PowerBI Desktop

### Overview:

Custom connectors allow to retrieve data by calling APIs, and systems that aren't available as prebuilt connectors. The connector retrieves data by calling JAMF's JSS API and creates a data model from the data retrieved. This means that customers will have access to their data in Power BI Desktop and Power BI service. With Power BI desktop and Power BI Service, customers can do powerful analytics and can combine the data from API with their own data sources to create powerful visuals and Dashboards.

JamfPro connector exposes the following entities:

1. Computers – Information about the computers in your organization, managed by JamfPro
2. Mobiles – Mobile devices information managed by JamfPro
3. Computer Device groups – Mapping between mobile computers and device groups in your organization.
4. Computers – Extension attributes – Details of extension attributes associated with your organization mobile devices.
5. Computer – Applications – Details about computer applications managed by JamfPro by computer.
6. Mobile Device groups – Mapping between mobile devices and device groups in your organization
7. Mobile devices – Extension attributes – Details of extension attributes associated with your organization mobile devices.
8. Mobile device applications – Information about the applications installed on your mobile devices.

### Installation Instructions:

#### Step 1: Acquire the latest file

from this location <https://github.com/jamf/powerbi> download the latest JamfPro.mez file.

#### Step 2: Copy to the Documents folder and enable without Validation

Move the file ~\Documents\Power BI Desktop\Custom Connectors for the user that the PowerBI Desktop application is installed under. Example would be C:\Users\Administrator\Documents\Power BI Desktop\Custom Connectors

Navigate to the below form using these steps

Click on File → Options and Setting → Options → Security

select **"(Not Recommended) Allow any extension to load without validation or warning"** under Data Extensions section.

## Options

### GLOBAL

- Data Load
- Power Query Editor
- DirectQuery
- R scripting
- Python scripting
- Security**
- Privacy
- Regional Settings
- Updates
- Usage Data
- Diagnostics
- Preview features

### Native Database Queries

- ☒ Require user approval for new native database queries

### Certificate Revocation Check

- ☒ Enable certificate revocation check ⓘ

### Web Preview Warning Level ⓘ

Moderate ▾

### Data Extensions

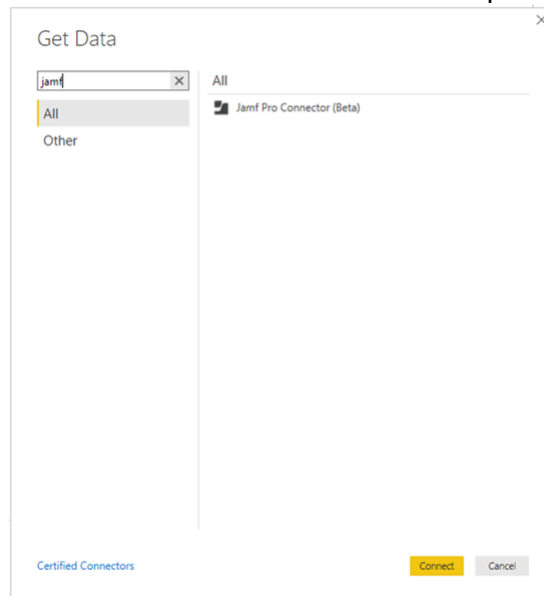
- ☐ (Recommended) Only allow Microsoft certified and other trusted third-party extensions to load
- ☒ **(Not Recommended) Allow any extension to load without validation or warning**

[Learn more about data extensions](#)

Step 3: Restart PowerBI Desktop

Step 4: Connect to a Jamf Instance:

Start by clicking Get Data and you will get this form type JAMF and you will see the Jamf Pro Connector. If you installed this via the custom connectors in Steps 1 through 3 it will say (Beta).



Highlight the Connector and select Connect

You then see the below form. Enter the URL with https designation and if you have a customer port use that as well. Example inputs would be:

<https://yourserver.domain.com>

<https://yourserver.domain.com:8443>

This will launch a very quick validation and then present you with this form. You need to enter an API username and password. This username should be a service account and have read access to the JSSResources API.

Enter your JamfPro instance details

Basic

Enter your Jamf Instance User name:

Enter your Jamf instance password:

Back Connect Cancel

You will then be sent to this form. Select the information that you would like to load. This is computers, mobile devices, and other information. Then select load or transform, load takes the data and presents it after collecting from our API endpoints. Transform allows you to combine the data or edit fields before working with directly.

Navigator

Display Options

https://demo.jamf.com [8]

- Computer Device Groups
- Computers
- Computers - Applications
- Computers - Extension attributes
- Mobile - Applications
- Mobile Device Groups**
- Mobile Devices
- Mobile Devices - ExtensionAttributes

No items selected for preview

Load Transform Data Cancel

## Step 5: Make Your visuals

Use the panels on the right to make your rich visuals, here is an example visual:

