



**PowerIQ  
Application  
Prerequisite  
Document**

**Version:** 1.8.0.0  
**Date:** 01-10-2024

## 1. Introduction

This document outlines the necessary prerequisites to ensure the successful installation, configuration, and operation of Power IQ. Please ensure all the specified requirements are met before proceeding with deployment to guarantee optimal performance and security.

## 2. System Requirements

To ensure efficient application performance, the following hardware and software specifications are required:

**Operating System:** Windows 10 or higher.

**Network:** Stable internet connection (required for communication with Power BI databases).

**Web Browser:** Google Chrome (mandatory).

*Microsoft Power BI Pro Account.*

## 3. Technical Requirements

### 3.1 Azure Application

To configure Power IQ with Microsoft Azure, you must register an application with Azure Active Directory (AAD) and save the following details:

Client ID: af562%\$@D543\$@%^dfsa4^5#@%\$%

Tenant ID: af562%\$@D543\$@%^dfsa4^5#@%\$%

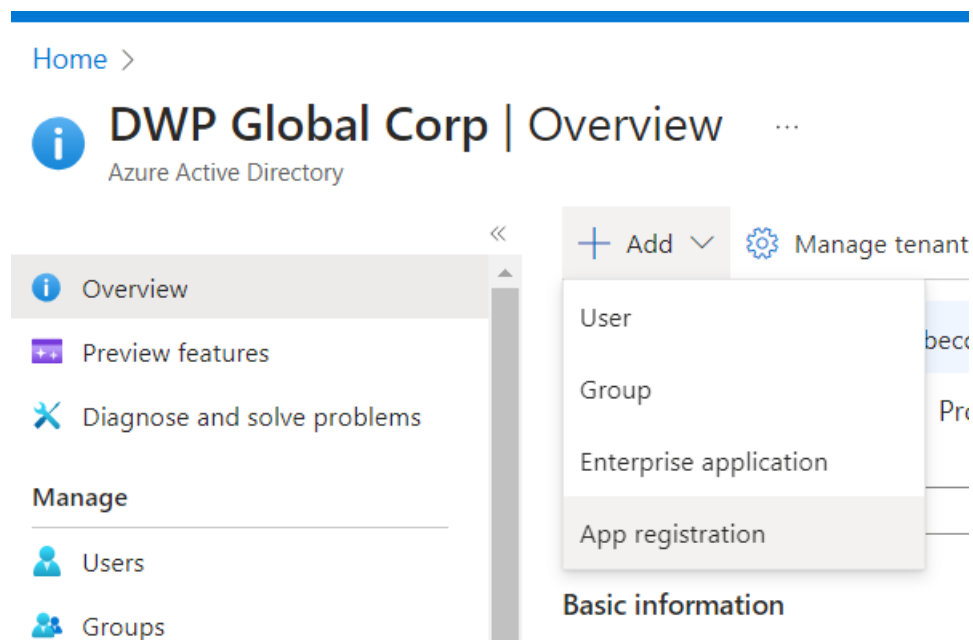
Client Secret Key: af562%\$@D543\$@%^dfsa4^5#@%\$%

## Register an application in Azure Active Directory (AAD)

<https://learn.microsoft.com/en-us/power-bi/developer/embedded/register-app?tabs=customers>

**Step1:** login to <https://portal.azure.com>

**Step2:** Select **App Registration** under **+Add** option.



**Step3:** Create an application with the required API permissions mentioned below and set the Redirect URI to <http://localhost:8788/>

### PowerBI Service:

- Capacity.Read.All
- Capacity.ReadWrite.All
- Content.Create
- Dashboard.Read.All
- Dashboard.ReadWrite.All
- Dataflow.Read.All
- Dataflow.ReadWrite.All
- Dataset.Read.All
- Dataset.ReadWrite.All
- Gateway.Read.All
- Gateway.ReadWrite.All
- Pipeline.Deploy
- Pipeline.Read.All
- Pipeline.ReadWrite.All

- Report.Read.All
- Report.ReadWrite.All
- StorageAccount.Read.All
- Tenant.Read.All
- Tenant.ReadWrite.All
- UserState.ReadWrite.All
- Workspace.Read.All
- Workspace.ReadWrite.All

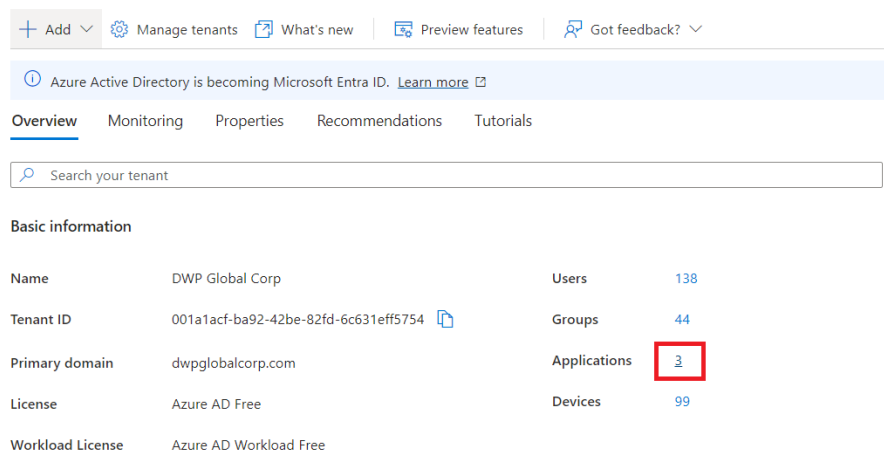
## Microsoft Graph

- User.Read
- User.Read.All
- UserAuthenticationMethod.Read.All
- Directory.Read.All
- Directory.AccessAsUser.All
- Directory.Write.Restricted

## Power Automate

- Activity.Read.All
- Approvals.Manage.All
- Approvals.Read.All
- Flows.Manage.All
- Flows.Read.All
- Flows.Read.Plans
- Flows.Write.Plans
- User

**Step4: Before leaving the page, note Client Secret value.** As Client secret values cannot be viewed, except for immediately after creation. After creating an application navigate to Home page and click on Application count in **Basic Information** under **Overview** tab



The screenshot shows the Azure portal interface for a tenant named 'DWP Global Corp'. At the top, there are navigation links: '+ Add', 'Manage tenants', 'What's new', 'Preview features', and 'Got feedback?'. Below this is a notification banner: 'Azure Active Directory is becoming Microsoft Entra ID. Learn more'. The main navigation tabs are 'Overview', 'Monitoring', 'Properties', 'Recommendations', and 'Tutorials'. A search bar is present with the text 'Search your tenant'. The 'Basic information' section is displayed as a table with the following data:

Name	DWP Global Corp	Users	138
Tenant ID	001a1acf-ba92-42be-82fd-6c631eff5754	Groups	44
Primary domain	dwpglobalcorp.com	Applications	3
License	Azure AD Free	Devices	99
Workload License	Azure AD Workload Free		

**Step5:** Select the created Application under All Applications tab.

## App registrations

+ New registration  Endpoints  Troubleshooting  Refresh  ↓

**i** Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory. Applications will need to be upgraded to Microsoft Authentication Library (MSAL) &

**All applications** Owned applications Deleted applications

3 applications found

Display name ↑↓

**DW** **DWP\_PowerBI\_Automate\_App**

**Step6:** Now save the **Application (client) ID**, **Directory (tenant) ID** from Essentials.

[Home](#) > [App registrations](#) >

## DWP\_PowerBI\_Automate\_App

<<  Delete  Endpoints  Preview features

**Overview**

Quickstart

Integration assistant

Manage

Branding & properties

Authentication

Certificates & secrets

Token configuration

**!** A certificate or secret is expiring soon. Create a new one →

^ Essentials

Display name : [DWP\\_PowerBI\\_Automate\\_App](#)

Application (client) ID : 61d83708-a0408-41d8-a36f-2424379e3ca7

Object ID : 8c28be77-8708-41d8-a36f-2424379e3ca7

Directory (tenant) ID : 61d83708-a0408-41d8-a36f-2424379e3ca7

Supported account types : [Multiple organizations](#)

## 3.2 SMTP Configuration

In order to send alerts from Power IQ, register with an SMTP provider and provide the following details:

**SMTP Host:** asd-sample.mails.com

**SMTP Port:** 111

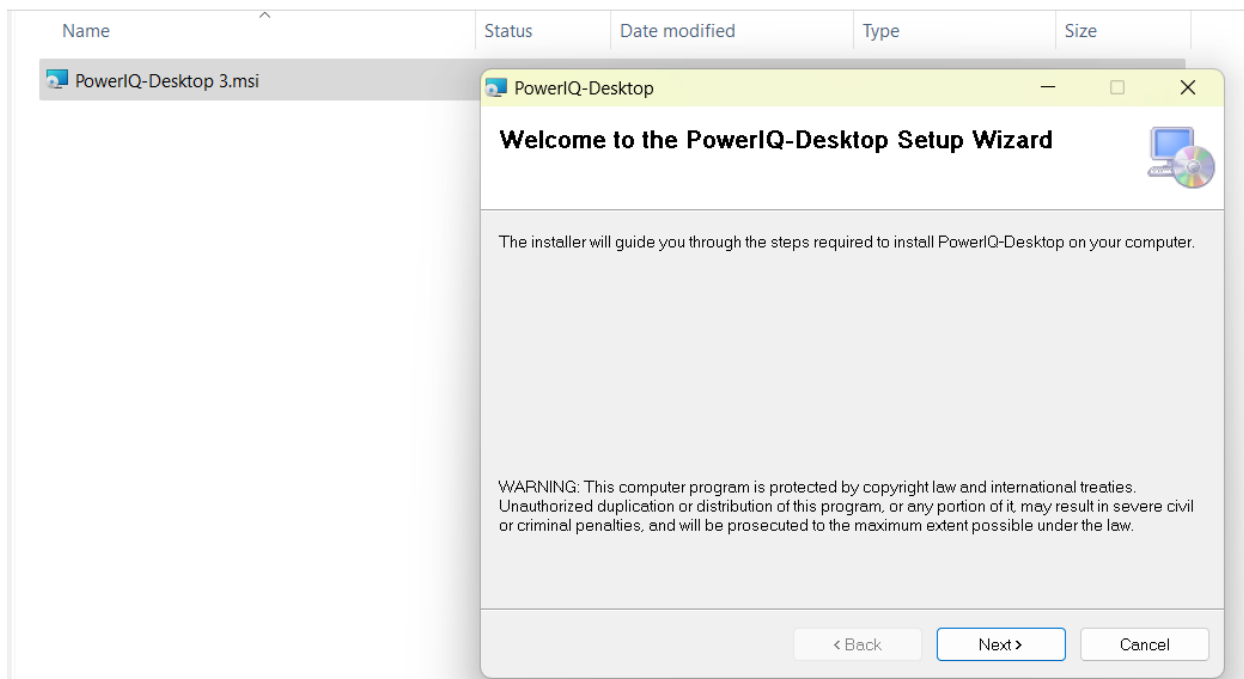
**SMTP Username:** Username

**SMTP Password:** Password

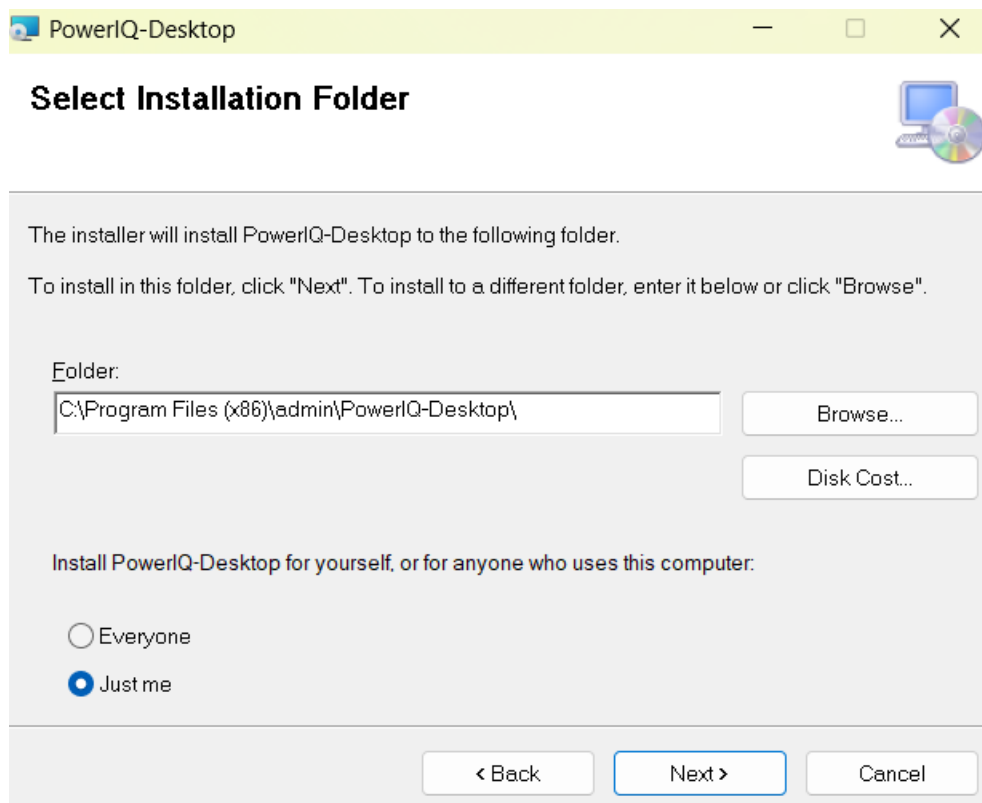
**Reference** - [Create and manage your SMTP keys – Home \(brevo.com\)](#)

## How to Install:

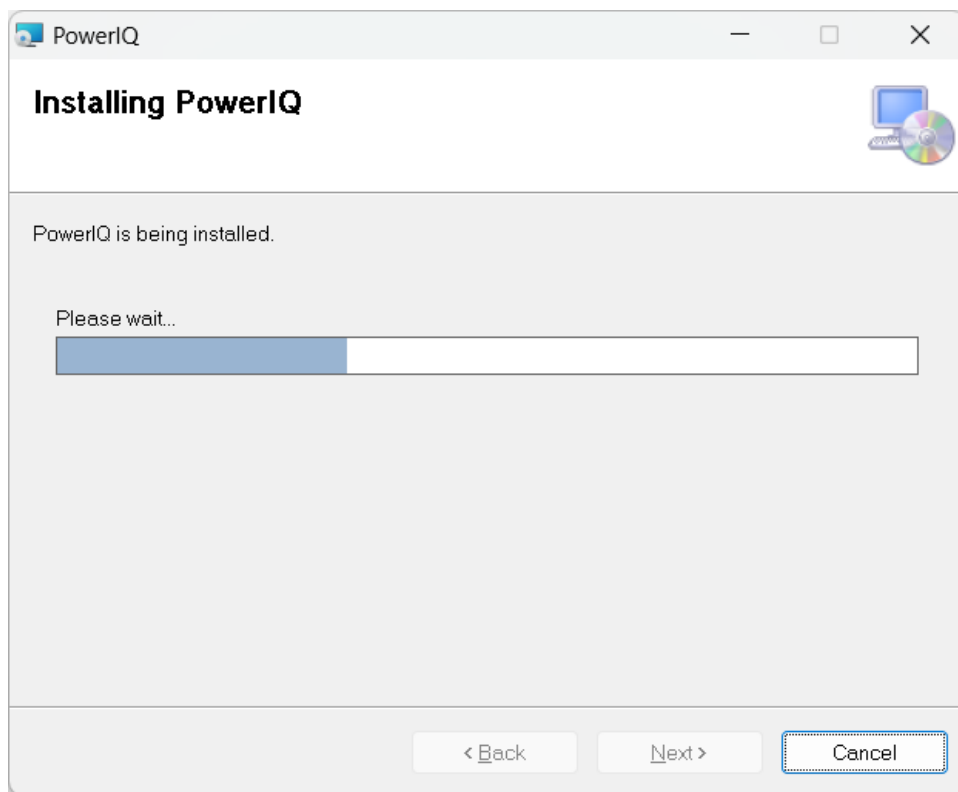
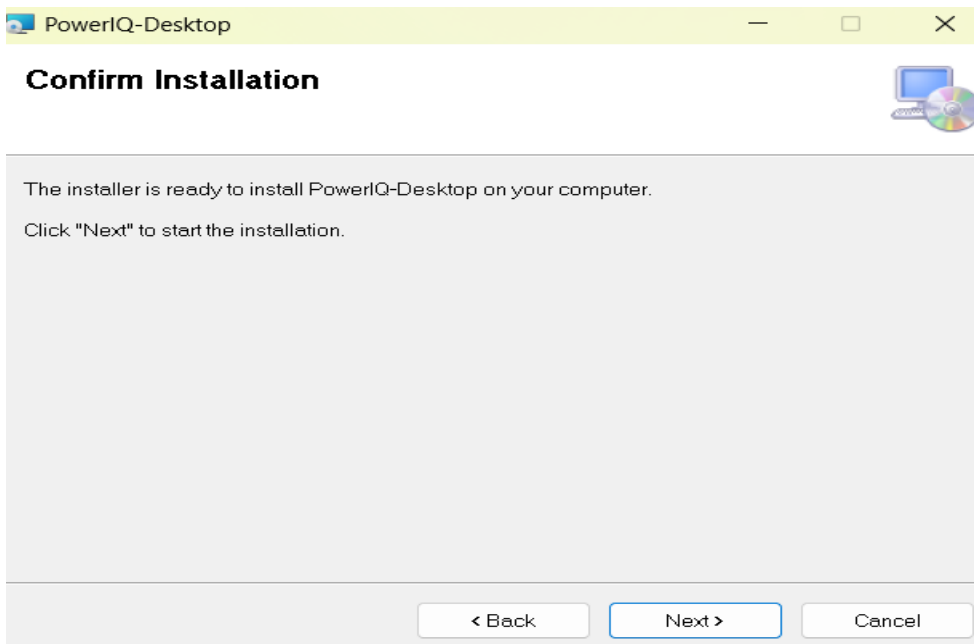
### 1) Double click on the PowerIQ Windows Installer Package file and click Next.



### 2) Browse and add the required folder path to install the PowerIQ. Click Next.



### 3) Click Next to start the installation.



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**4) Now the installation starts and once it is done a short cut to PowerIQ will be added on the desktop items.**

## **4. Contacts and Support**

For any assistance with installation, configuration, or post-installation issues, please reach out to our support team:

Support Email: [poweriq-support@dwpglobalcorp.com](mailto:poweriq-support@dwpglobalcorp.com)

### **Notes:**

This document assumes all users have basic knowledge of the Azure platform and SMTP setup.

Ensure all credentials are kept secure, as they contain sensitive information that is necessary for Power IQ's integration with Azure and email notifications.

Failure to meet the system and technical requirements may lead to suboptimal performance or prevent the application from functioning as expected.