

pIWIK PRO SHAREPOINT analytics – INSTALLATION

Version 3.0.1

Contents

[1. Introduction 3](#_Toc51069605)

[1.1. Purpose of this document 3](#_Toc51069606)

[1.2. Prerequisites 3](#_Toc51069607)

[2. Install Piwik PRO components in SharePoint 3](#_Toc51069608)

[2.1. Provision SharePoint components 3](#_Toc51069609)

[2.2. Configure Piwik PRO connection 4](#_Toc51069610)

[3. Install PiwikPRO components in Azure 5](#_Toc51069611)

[3.1. Create resources in Azure and deploy web job 5](#_Toc51069612)

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Author** | **Description** |
| 07.05.2020 | 1.0 | P. Hawrylak | Document creation |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# Introduction

## Purpose of this document

The document describes how to install Piwik PRO resources in Azure and SharePoint.

## Prerequisites

Before proceeding further please ensure that you have access to account or accounts with following permissions/roles:

* SharePoint Admin
* Contributor role to Azure subscription or to existing Resource Group in Azure
* Azure AD Global Administrator (or at least Application Developer role in Azure AD to create application registrations – this will require granting consent by global administrator manually).

PowerShell modules and command line interfaces:

* PnP PowerShell 3.23.2007.1+: <https://docs.microsoft.com/en-us/powershell/sharepoint/sharepoint-pnp/sharepoint-pnp-cmdlets>
* Azure CLI 2.9.1+: <https://docs.microsoft.com/en-us/cli/azure/install-azure-cli>

If these modules are not installed, they will be installed automatically by deployment scripts.

# Install Piwik PRO components in SharePoint

## Provision SharePoint components

1. To provision SharePoint components, run Windows PowerShell as administrator in the context of the SharePoint folder in the installation directory.
2. Run Provision-ToSharePoint.ps1 script and provide correct parameters, e.g.:

*.\Provision-ToSharePoint.ps1 -SharePointUrl "https://contoso.sharepoint.com"*

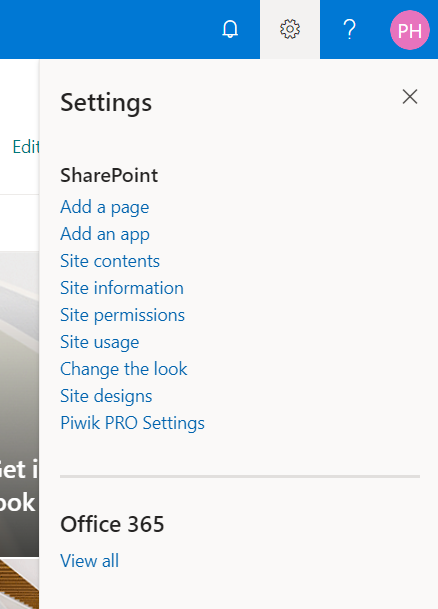
Parameters:

* SharePointUrl (required): URL to SharePoint
* UseSiteScope (optional): This switch should be provided if SPFx package should be installed in site collection app catalog instead of tenant app catalog and available only for site collection specified in SharePointUrl (to install in more site collections, run this script again with different SharePointUrl)
* UseWebLogin (optional): This switch should be provided if Multi Factor Authentication is enabled for the account

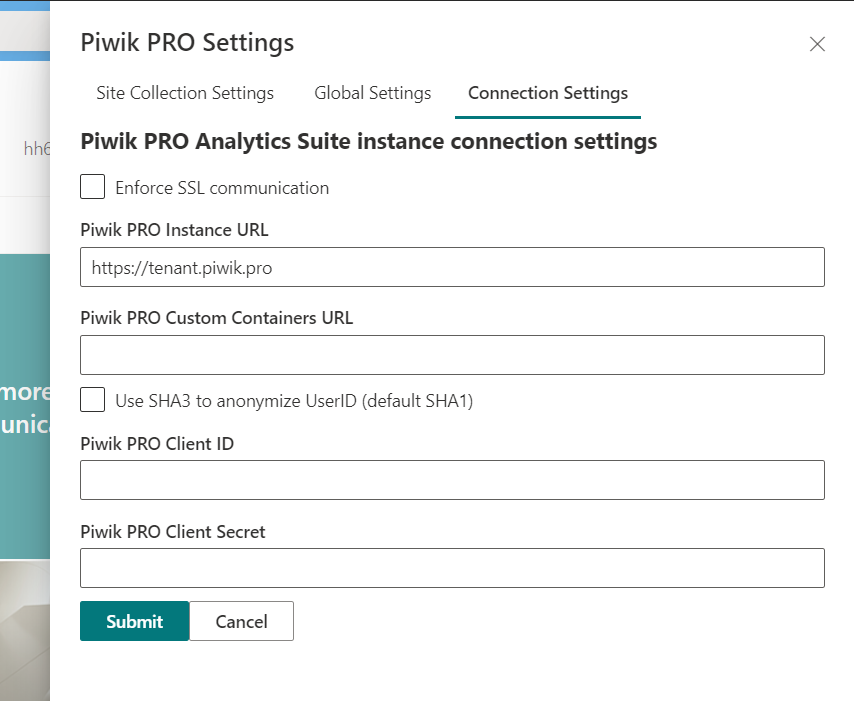
1. Script will ask for SharePoint credentials and should create Piwik PRO Administration site and deploy SPFx solution without any error.

## Configure Piwik PRO connection

1. Open Piwik PRO Administration site in SharePoint (<https://[your-tenant].sharepoint.com/sites/PiwikAdmin>).
2. Click Settings wheel in upper right corner and open Piwik PRO Settings.



1. Go to Connection Settings tab.



1. Provide URL of your Piwik PRO Instance and Client ID and Client Secret generated in Piwik PRO. Piwik PRO Custom Containers URL is optional and should be provided only if needed.
2. You can also configure tracking settings in Global Settings tab – they will be applied by default on all sites that have tracking enabled.

# Install PiwikPRO components in Azure

## Create resources in Azure and deploy web job

1. To create resources in Azure, run Windows PowerShell as administrator in the context of the Azure folder in the installation directory.
2. Run Create-AzureResources.ps1 script and provide correct parameters, e.g.:

.\Create-AzureResources.ps1 -Tenant "contoso.onmicrosoft.com" -Subscription "AZURE\_SUBSCRIPTION\_NAME" -ResourceGroupName "PiwikPROSharePoint" -WebAppSuffix "contoso" -SharePointUrl "https://contoso.sharepoint.com"

Parameters:

* Tenant (required): Azure tenant name or ID for resource group
* Subscription (required): Azure subscription name or ID for resource group
* ResourceGroupName (required): The name of new or existing resource group
* WebAppSuffix (required): Suffix added to web app name, final name will be "piwikpro<webAppSuffix>" and must be globally unique in Azure, you can use your company name here (use alphanumeric characters)
* SharePointUrl (required): URL to SharePoint
* Location (optional): Location for Azure resources can be provided in this parameter. By default, resource group is created in "West Europe" region or inherits existing resource group's location
* NoConsent: Use this switch if you do not have Azure AD Global Administrator role. If you use this switch remember to ask your Azure AD admin to grant admin consent for application registration called "piwikpro<webAppSuffix>" after installation.

1. During script execution you will be asked for credentials to Office 365 SharePoint, password to self-signed certificate that will be generated (valid for 10 years) and used for application authentication and if Azure tenant is different than Office 365 tenant, credentials to Azure.
2. Script should create Azure AD application registration, Azure resources and deploy web job without any issues.
3. If you do not have Azure AD Global Administrator rights and used -NoConsent switch, you should ask your Azure AD Admin to grant admin consent for new application registration called "piwikpro<webAppSuffix>".