



Xperate Asset Manager Deployment Guide

1. Deploying Xperate Asset Manager from Azure Marketplace.



Create Xperate Asset Manager ...

Basics Review + create

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *	<input type="text" value="Azure subscription"/>
Resource group *	<input type="text" value="(New) marketplace-rg"/>

[Create new](#)

Instance details

Region *	<input type="text" value="UK South"/>
Web App Name *	<input type="text" value="asset-manager-app"/>
App Service Plan Name *	<input type="text" value="asset-manager-plan"/>
App Service Plan SKU *	<input type="text" value="Standard (S1)"/>
Virtual Network Name *	<input type="text" value="assetmanager-vnet"/>
SQL Server Name *	<input type="text" value="assetmanager-sql"/>
SQL Database Name *	<input type="text" value="AssetDB"/>
SQL Admin Username *	<input type="text" value="sqladmin"/>
SQL Admin Password *	<input type="password" value="....."/>
Confirm SQL Admin Password *	<input type="password" value="....."/>
Application Artifact URL *	<input type="text" value="https://vhdgallery.blob.core.windows.net/assetmanagementapp/Xpera..."/>

Managed Application Details

Provide a name for your application's managed resource group. Your application's managed resource group holds all the resources that are required by the managed application.


Managed Resource Group *	<input type="text" value="mrg-xperateassetmanagemen-20250916154816"/>
--------------------------	---

[Previous](#)

[Next](#)

[Review + create](#)

2. Agree to terms and conditions, then press create.

 Unable to retrieve prices and legal terms

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), if any, with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See [Azure Marketplace Terms](#) for additional details.

Co-Admin Access Permission

By checking the box and clicking "Create" I give permission for the template provider referenced above (the "Provider") to have Administrative-level access to one or more Azure resources in order to provide support and management services for the template. In the event of an issue arising from a Provider's services or failure to provide services, your sole recourse is with the Provider. Unless Microsoft is the Provider, Microsoft (i) does not approve, monitor or manage the Provider's access, and (ii) bears no responsibility whatsoever for acts or omissions of a Provider.

☒ I agree to the terms and conditions above. *

Basics

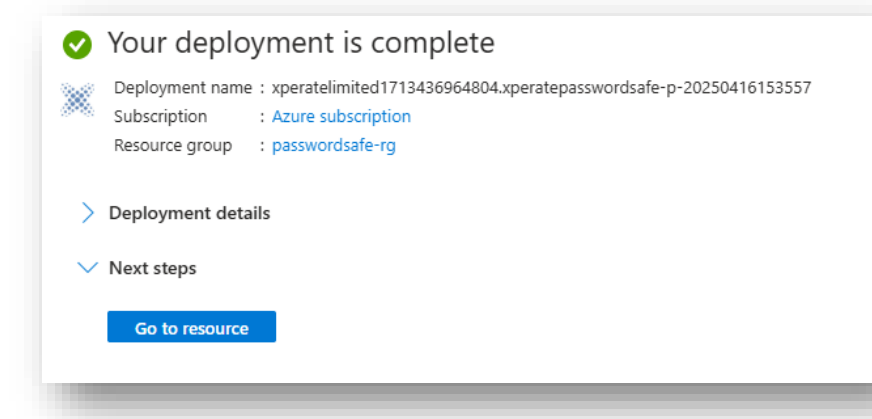
Subscription	Azure subscription
Resource group	marketplace-rg
Region	UK South
Web App Name	asset-manager-app
App Service Plan Name	asset-manager-plan
App Service Plan SKU	Standard (S1)
Virtual Network Name	assetmanager-vnet
SQL Server Name	assetmanager-sql
SQL Database Name	AssetDB
SQL Admin Username	sqladmin
SQL Admin Password	*****
Application Artifact URL	https://vhdgallery.blob.core.windows.net/assetmanagementapp/Xperate.Ass...
Managed Resource Group Name	mrg-xperateassetmanagemen-20250916154816

Previous

Next

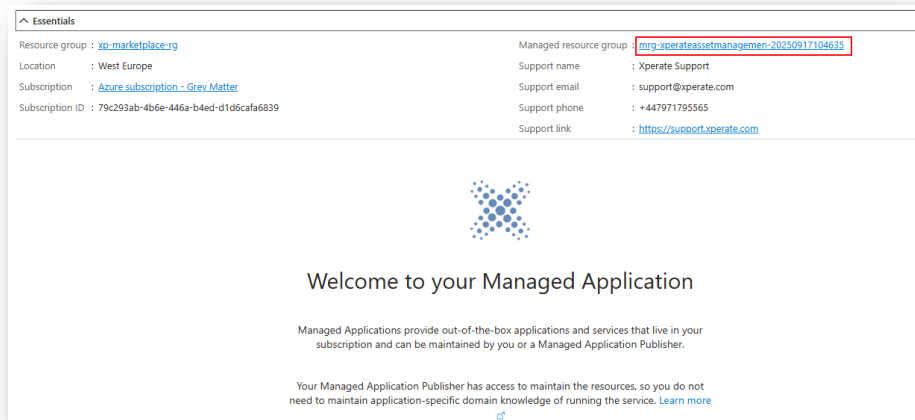
Create

3. Once the app has been deployed, click "Go to resource"



- During the deployment of Xperate Asset Manager, a **managed resource group** is created with a unique date/time based suffix. This managed resource group contains Xperate Asset Manager's core components.

Click on Managed resource group



Click on the Asset Management App App Service

Name ↑	Type
AssetDB (xp-assetmanager-sql/AssetDB)	SQL database
xp-asset-management-app	App Service
xp-asset-management-plan	App Service plan
xp-asset-mgmt-vnet	Virtual network
xp-assetmanager-sql	SQL server



Under the Summary > Essentials section, note down “Default Domain”

Essentials

Resource group (move)

: mrg-xperateassetmanagemen-20250917104635

Status

: Running

Location (move)

: West Europe

Default domain

: xp-asset-management-app.azurewebsites.net

App Service Plan

: xp-asset-management-plan (S1: 1)

Operating System


: Windows

- Next, integrate the new managed app into your Entra ID.

What you will need:

- Default Domain (The URL that you plan on using to reach Xperate Asset Manager).

A PowerShell script (1-Create-AMS-AppReg.ps1) is available to download that will allow you to automatically create the App Registration. To use this, simply edit the script header, replacing the default App Name (with your preferred App name) and SPA Redirect URI (this is the Default Domain noted down in previous section).

 This script should be run using PowerShell 7.0 or greater with the latest version of Azure Cli installed. (see: <https://learn.microsoft.com/en-us/cli/azure/?view=azure-cli-latest>)



Edit **1-Create-AMS-AppReg.ps1**

```
#####  
# Script to create Entra App Registration for Xperate Asset Management App #  
#####  
  
# User-configurable variables - EDIT THESE VALUES  
$AppName = "Xperate Asset Manager" # Enter the display name for the Asset Management App  
$SpaRedirect = "https://yourapp.azurewebsites.net/" # Enter the SPA Redirect URI (Web App Default Domain)
```



Run **1-Create-AMS-AppReg.ps1**

```
Setup complete. Record these values:  
=====:  
TenantId: 98b6123e-1234-1234-1234-123456789012  
SPA URI: Xperate Asset Manager  
ClientId: e4d16e32-687c-4961-ac8d-441f1246aa16  
SPA URI: https://yourapp.azurewebsites.net/  
=====:  
Log file saved to: AppRegistration_Log_20250922_122419.txt
```



Note down the **Application (ClientId)** for later.

Once completed, open the newly created App Registration and go to **Manage > API Permissions** and **Grant admin consent** for your organisation. If you don't do this, you will be prompted on opening the Web App for the first time.

Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions includes all the permissions the application needs. [Learn more about permissions and consent](#)

[+ Add a permission](#) ☒ Grant admin consent for Xperate Limited

API / Permissions name	Type	Description	Admin consent required	Status
Microsoft Graph (3)				
User.Read	Delegated	Sign in and read user profile	No	
User.Read.All	Delegated	Read all users' full profiles	Yes	⚠ Not granted
User.Read.All	Application	Read all users' full profiles	Yes	⚠ Not granted

- Create and populate your WebApp variables aligning it to your new App Registration.

A PowerShell script (2-Add-WebApp-Vars.ps1) is available to download that will create and populate your WebApp variables for you. To use this, simply edit the script header, replacing the values shown with those appropriate to your deployment).



Edit **2-Add-WebApp-Vars.ps1**

```
#####
# PowerShell script to add environment variables to an Azure Web App #
#####

##### User-configurable variables - EDIT THESE VALUES #####
$tenantId = "00000000-0000-0000-0000-000000000000"
$clientId = "00000000-0000-0000-0000-000000000000"
$webAppName = "assetmanagement-app"
$resourceGroup = "mrg-xperateassetmanagemen-0000000000000000"
##### DO NOT EDIT BELOW THIS LINE #####
```



Run **2-Add-WebApp-Vars.ps1** using PowerShell 7.0 or above.

```
Setting environment variables for Web App: xperateassetmanagement-app in Resource Group: mrg-xperateassetmanagemen-20250925115223
Configuring slot settings for sticky environment variables
Environment variables successfully added to Web App: xperateassetmanagement-app
Verifying applied environment variables:

name                value                                                                 slotSetting
-----                -
AzureAd:Audience    api://11e8fdfd-1ecc-4bb7-b5a2-e75d7cb91fea                          True
AzureAd:Authority    https://login.microsoftonline.com/00000000-0000-0000-0000-000000000000/ True
AzureAd:ClientId      11e8fdfd-1ecc-4bb7-b5a2-e75d7cb91fea                                True
AzureAd:RedirectUri   https://xperateassetmanagement.azurewebsites.net/                  True
AzureAd:Scopes        api://11e8fdfd-1ecc-4bb7-b5a2-e75d7cb91fea/Asset                    True
AzureAd:TenantId      00000000-0000-0000-0000-000000000000                              True
SyncAzureAd:ClientId  11e8fdfd-1ecc-4bb7-b5a2-e75d7cb91fea                                True
SyncAzureAd:Scope     api://11e8fdfd-1ecc-4bb7-b5a2-e75d7cb91fea/App.Default              True
SyncAzureAd:TenantId  00000000-0000-0000-0000-000000000000                              True

Restarting Web App: xperateassetmanagement-app to apply environment variable changes
WARNING: Restart command executed but result could not be parsed. Check Azure portal for status.
```

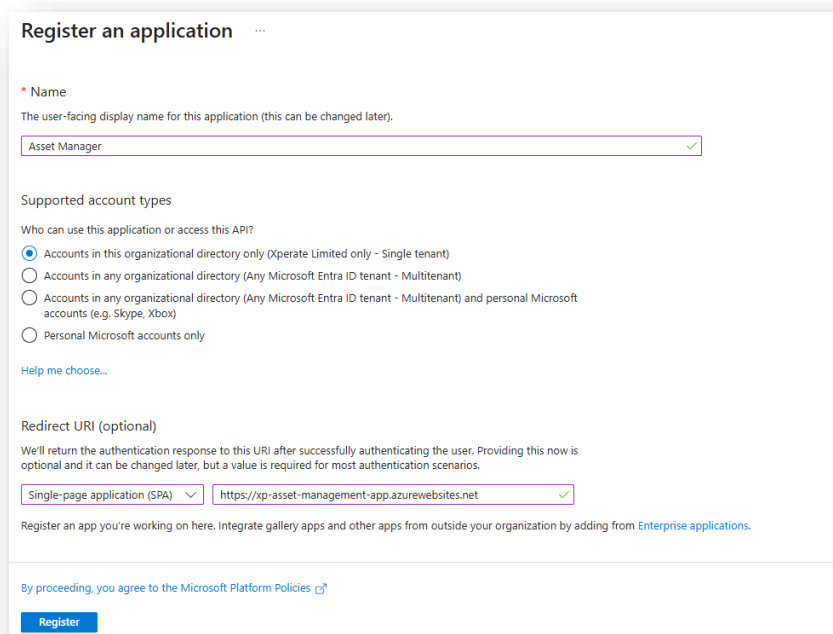
Once the script has executed, this concludes the setup and you will be able to launch Xperate Asset Manger by visiting it's default domain shown in your Web App summary page.

7. App Registration - Manual Method

Open Entra ID

Create a new App Registration.

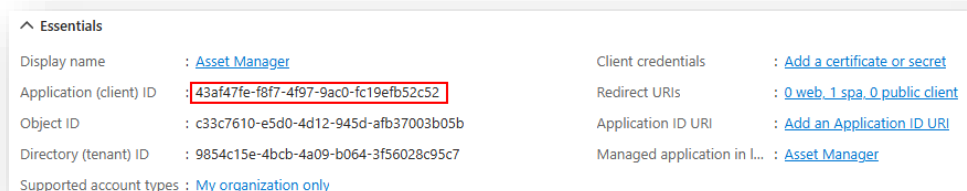
- **Name:** Choose a suitable name
- **Supported account types:** Ensure “Accounts in this organizational directory only (Xperate Limited only - Single tenant)” is selected
- **Redirect URI:** Add Single Page Application (SPA), entering the **https://+Default domain**



The screenshot shows the 'Register an application' form in the Microsoft Entra ID portal. The form is titled 'Register an application' with a three-dot menu icon. It contains the following sections:

- Name:** A text input field with the value 'Asset Manager' and a green checkmark icon on the right. Below the field is the text: 'The user-facing display name for this application (this can be changed later).'
- Supported account types:** A section titled 'Who can use this application or access this API?' with four radio button options:
 - ☒ Accounts in this organizational directory only (Xperate Limited only - Single tenant)
 - ☐ Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant)
 - ☐ Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
 - ☐ Personal Microsoft accounts onlyA link 'Help me choose...' is located below the options.
- Redirect URI (optional):** A section with the text: 'We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.' It contains a dropdown menu set to 'Single-page application (SPA)' and a text input field with the value 'https://xp-asset-management-app.azurewebsites.net' and a green checkmark icon on the right.
- At the bottom, there is a link 'Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from [Enterprise applications](#).'
- A footer section with the text 'By proceeding, you agree to the [Microsoft Platform Policies](#)' and a blue 'Register' button.

On clicking “Register” your App Registration will be displayed.



The screenshot shows the 'Essentials' section of the App Registration details page. It displays the following information:

Display name	: Asset Manager	Client credentials	: Add a certificate or secret
Application (client) ID	: 43af47fe-f8f7-4f97-9ac0-fc19efb52c52	Redirect URIs	: 0 web, 1 spa, 0 public client
Object ID	: c33c7610-e5d0-4d12-945d-afb37003b05b	Application ID URI	: Add an Application ID URI
Directory (tenant) ID	: 9854c15e-4bcb-4a09-b064-3f56028c95c7	Managed application in I...	: Asset Manager
Supported account types	: My organization only		



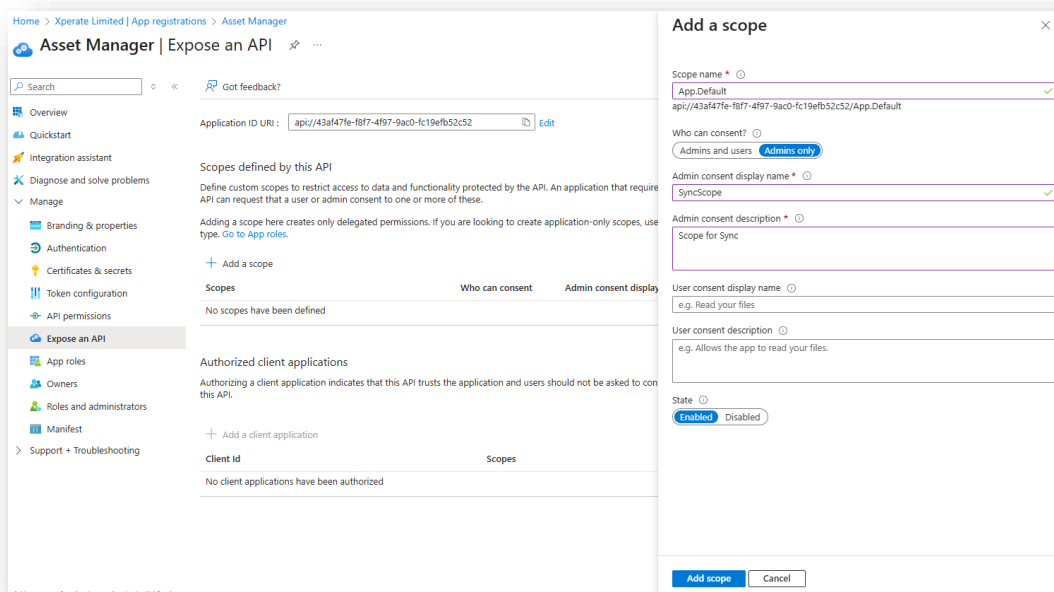
Note down the **Application (client) ID** for later.

8. Adding API Scopes

Go to App Registrations>Asset Manager>Expose an API

- Press +Add a scope
- Press Save and Continue
- Set the following :-
 - Scope name = **App.Default**
 - Admin consent display name = **SyncScope**
 - Admin consent description = **Scope for Sync**
- Press [Add Scope]

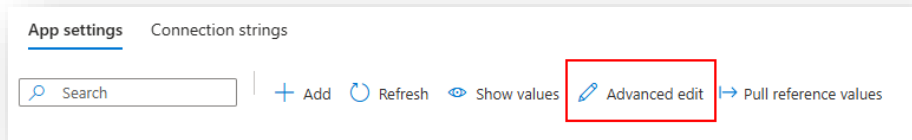
- Press +Add a scope
- Press Save and Continue
- Set the following :-
 - Scope name = **Asset**
 - Admin consent display name = **Asset**
 - Admin consent description = **Default Scope**
- Press [Add Scope]



9. Add Environment Variables

Open the recently created Asset Management App Web App (found in your managed resource group)

Click on Settings > Environment Variables > App Settings > Advanced Edit

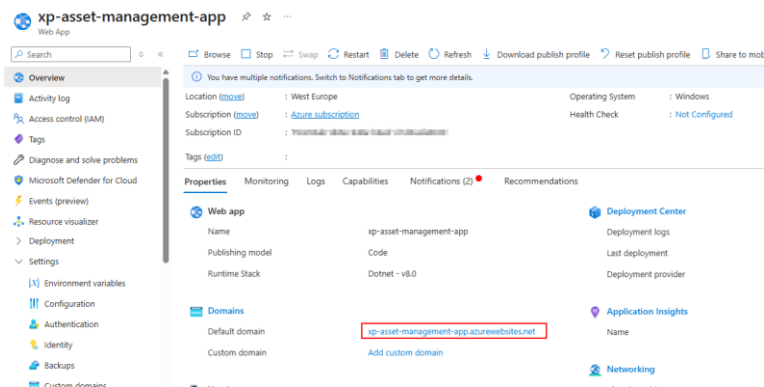


Paste in the following, replacing existing contents. For speed, it is quicker to copy the text below and enter the values in a text editor before pasting them into Azure. Angled brackets should be removed.

```
[
  {
    "name": "AzureAd:Audience",
    "value": "api://<Application (Client) ID>",
    "slotSetting": true
  },
  {
    "name": "AzureAd:Authority",
    "value": " https://login.microsoftonline.com/<tenantID>",
    "slotSetting": true
  },
  {
    "name": "AzureAd:ClientId",
    "value": "<Application (Client) ID>",
    "slotSetting": true
  },
  {
    "name": "AzureAd:RedirectUri",
    "value": "https://<app-name>.azurewebsites.net/",
    "slotSetting": true
  },
  {
    "name": "AzureAd:Scopes",
    "value": "api://<Application (Client) ID>/Asset",
    "slotSetting": true
  },
  {
    "name": "AzureAd:TenantId",
    "value": "<tenantID> ",
    "slotSetting": true
  },
  {
    "name": "SyncAzureAd:ClientId",
    "value": "<Application (Client) ID>",
    "slotSetting": true
  },
  {
    "name": "SyncAzureAd:Scope",
    "value": " api:// <Application (Client) ID>/App.Default",
    "slotSetting": true
  },
  {
    "name": "SyncAzureAd:TenantId",
    "value": "<tenantID> ",
    "slotSetting": true
  },
  {
    "name": "WEBSITE_RUN_FROM_PACKAGE",
    "value": "https://vhdgallery.blob.core.windows.net/assetmanagementapp/Xperate.AssetManagement.Web.zip",
    "slotSetting": false
  }
]
```

10. Restart Xperate Asset manager Web App.
11. Xperate Asset Manager is now ready to launch.

Click on Overview in left hand pane of your Web App, then **click on the default domain** to launch.



i If preferred, you can register a custom domain (e.g. assets.yourdomain.com) instead of using the default. If so, ensure the custom domain is also added as an additional Single Page Application (SPA) in the App Registration.

Upon launching Xperate Asset Manager, accept and allow the requested permissions on behalf of your tenant if API Admin consent hasn't already been granted.



john.mapple@xperate.com

Permissions requested (1 of 2 apps)

Asset Manager
xperate.com

This application is not published by Microsoft.

This app would like to:

- ☐ Asset (Asset Management Demo)
- ☐ View your basic profile
- ☐ Maintain access to data you have given it access to

Accepting these permissions means that you allow this app to use your data as specified in their terms of service and privacy statement. You can change these permissions at <https://myapps.microsoft.com>. [Show details](#)

Does this app look suspicious? [Report it here](#)

Cancel

Next



john.mapple@xperate.com

Permissions requested (2 of 2 apps)

Asset Management Demo
xperate.com

This application is not published by Microsoft.

This app would like to:

- ☐ View users' basic profile
- ☐ Maintain access to data you have given it access to
- ☒ **Consent on behalf of your organisation**

If you accept, this app will get access to the specified resources for all users in your organisation. No one else will be prompted to review these permissions.

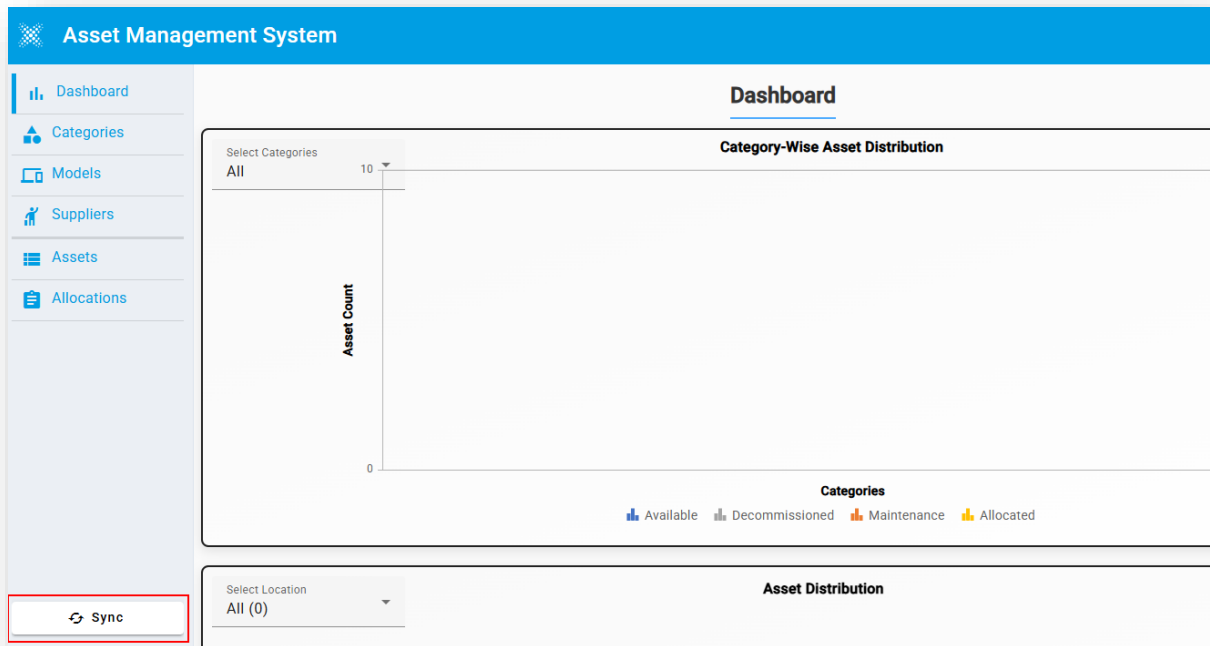
Accepting these permissions means that you allow this app to use your data as specified in their terms of service and privacy statement. You can change these permissions at <https://myapps.microsoft.com>. [Show details](#)

Does this app look suspicious? [Report it here](#)

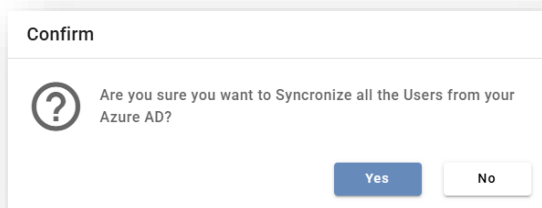
Cancel

Accept

Asset Manager will then load.



Press Sync to Synchronise all user accounts from Entra ID



Once users have been synchronised, create records in the following order before allocating to users :-

1. Suppliers
2. Categories
3. Models
4. Assets