

Register an application with the Microsoft identity platform

This document guides you through the workflow on adding the TimeLog PSA app in your Azure Active Directory and creating the TimeLog integration credentials.

Prerequisites:

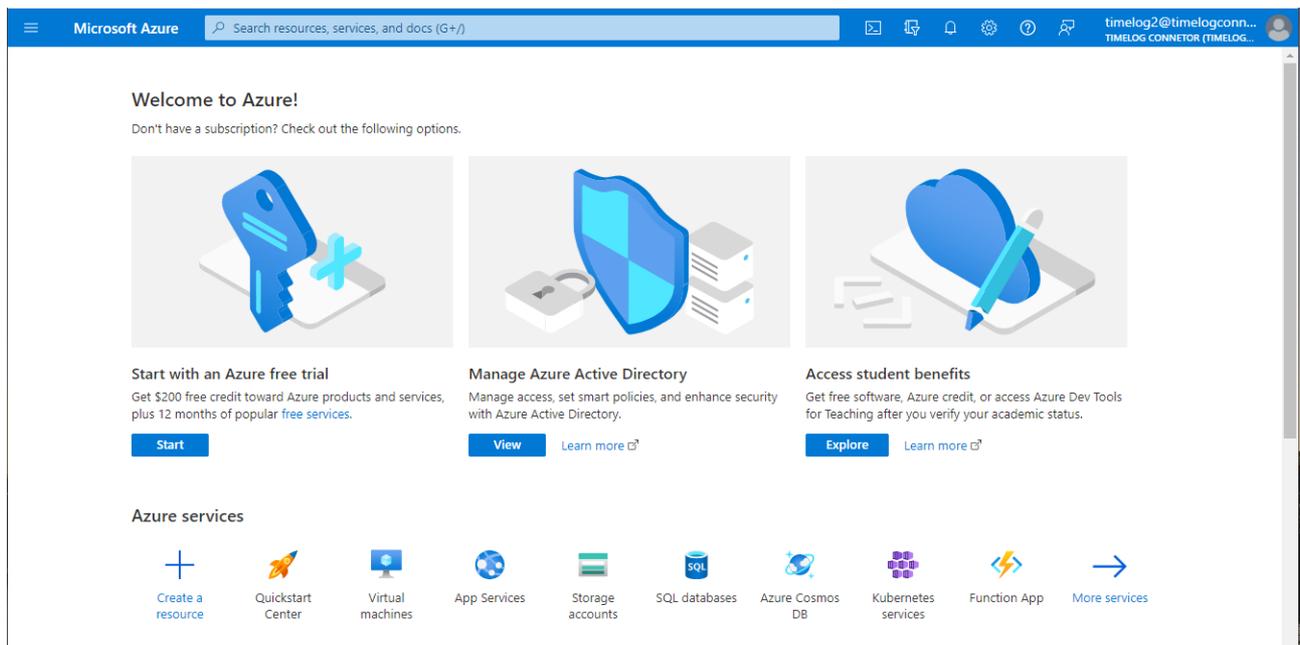
Installed MSAL .PS Powershell module.

User access need to be Global Administrator or Privileged Role Administrator

This workflow description is based on Microsoft [Quickstart: Register an application with the Microsoft identity platform](#)

1. Azure AD Application registration

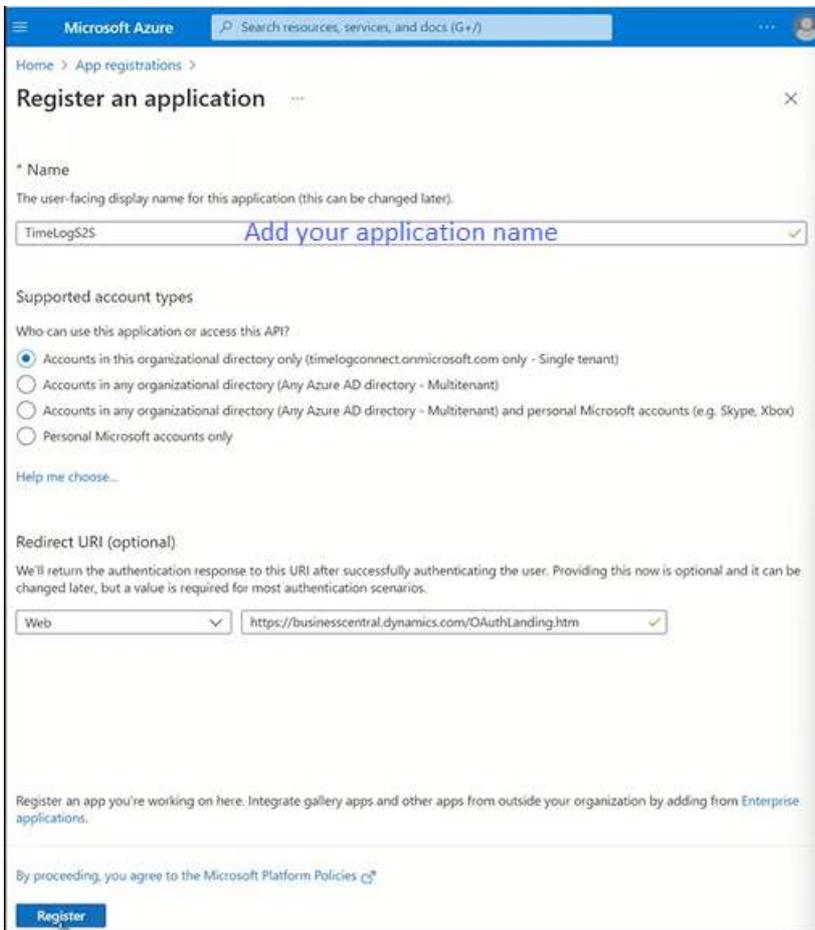
Sign into azure portal (<https://portal.azure.com>) and search on 'App registrations'



2. Register and application

Click '+ New registration'. Provide a 'Name' for application, set 'Supported account types' to "Accounts in this organizational directory only".

In 'Redirect URI' you select 'Web' and add the URL for your Business Central on-premises browser client and click 'Register' button to add the TimeLog integration application.

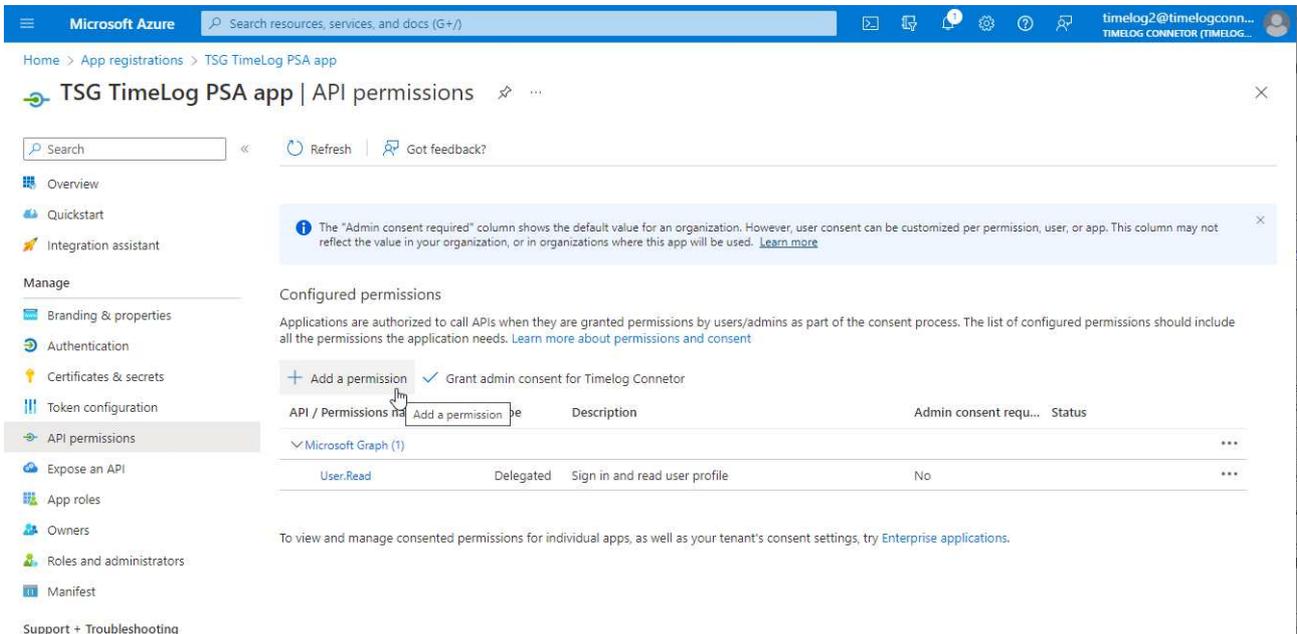


The screenshot shows the 'Register an application' form in the Microsoft Azure portal. The form is titled 'Register an application' and is located under 'App registrations'. It contains the following fields and options:

- Name:** A text input field containing 'TimeLogS2S' and a dropdown menu with the placeholder text 'Add your application name'.
- Supported account types:** A section titled 'Supported account types' with the sub-heading 'Who can use this application or access this API?'. It contains four radio button options:
 - Accounts in this organizational directory only (timeconnect.onmicrosoft.com only - Single tenant)
 - Accounts in any organizational directory (Any Azure AD directory - Multitenant)
 - Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
 - Personal Microsoft accounts only
- Redirect URI (optional):** A section titled 'Redirect URI (optional)' with the sub-heading '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 'Web' and a text input field containing 'https://businesscentral.dynamics.com/OAuthLanding.htm'.
- Footer:** A blue 'Register' button and a link to 'Enterprise applications'.

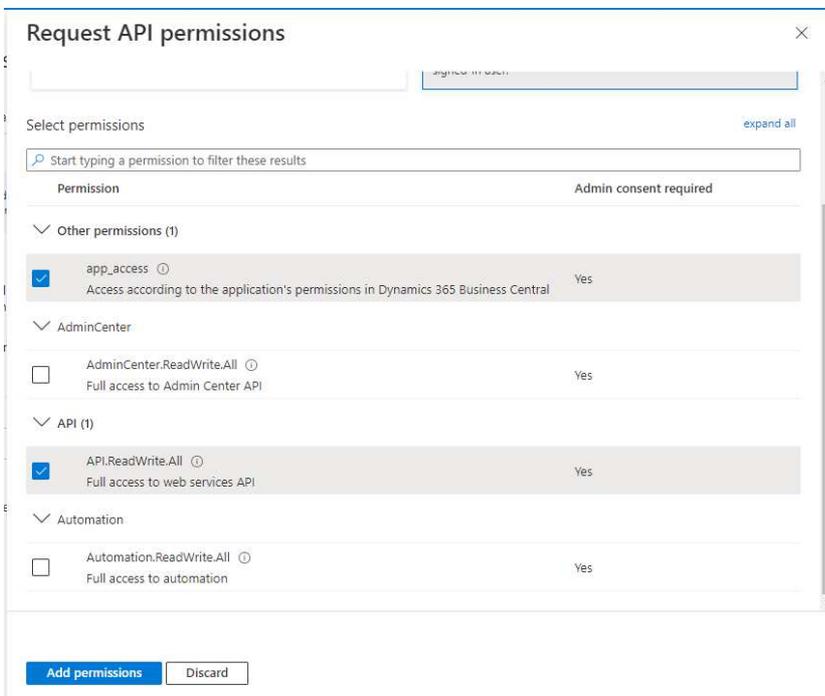
3. API permissions

Setup API permissions for the newly created application, go to 'API permissions' and click **Add an application**:



In order to acquire tokens as application (used for automation APIs), click: 'Dynamics 365 Business Central' - 'Application permissions' and mark "app_access" and "API.ReadWrite.All"

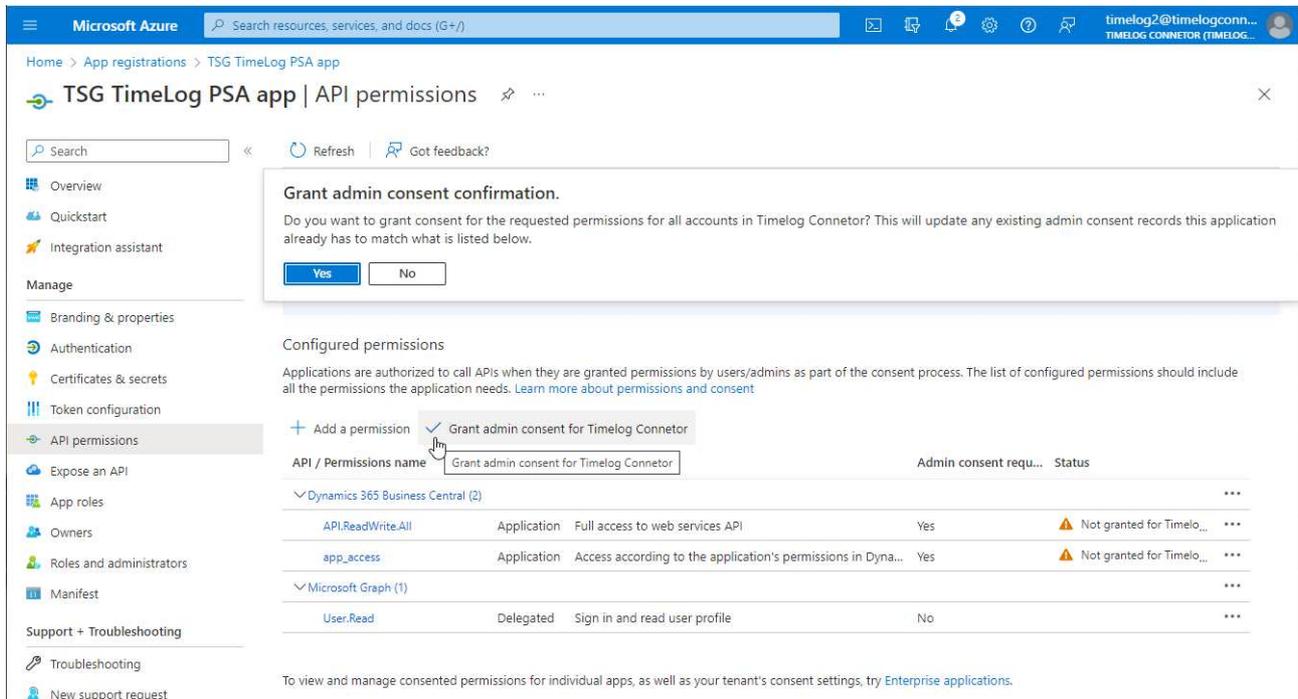
Click **Add permission**



4. Grand admin consent confirmation

After permissions are added, click '**Grant admin consent for ...**'.
Click **Yes** button to grant consent for the requested permissions.

Status in the table of permissions should change to '**Granted**'



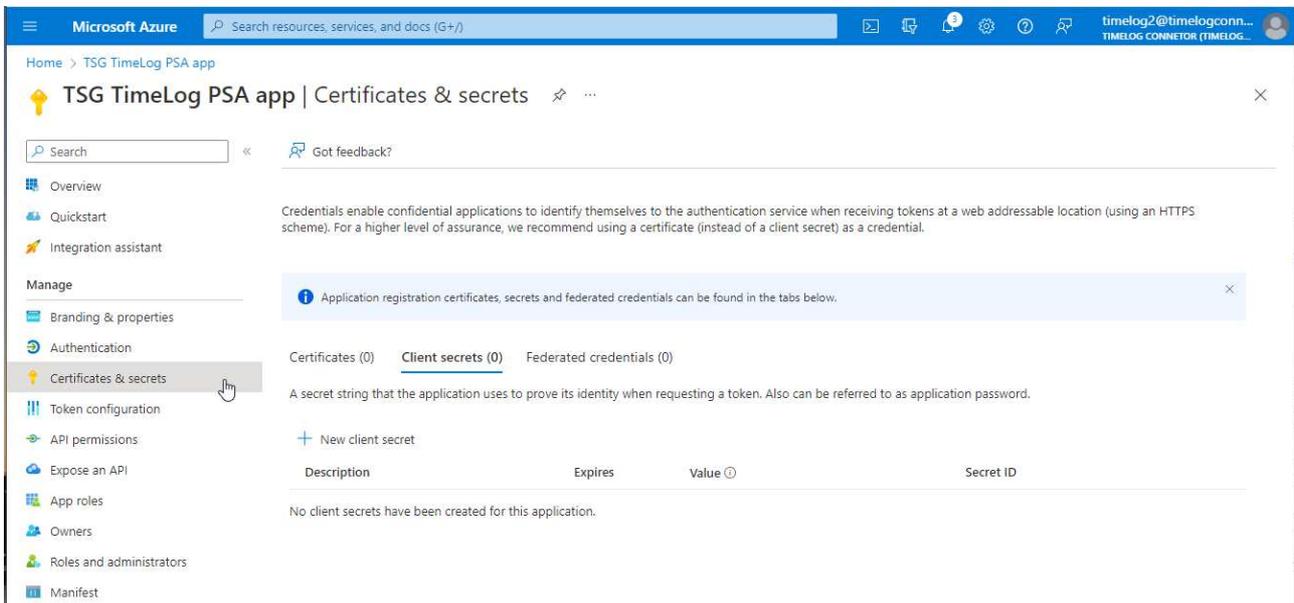
The screenshot shows the Microsoft Azure portal interface. At the top, the navigation bar includes the Microsoft Azure logo, a search bar, and the user profile 'timelog2@timelogconn...'. The main content area is titled 'TSG TimeLog PSA app | API permissions'. A modal dialog box is open, titled 'Grant admin consent confirmation', with the text: 'Do you want to grant consent for the requested permissions for all accounts in Timelog Connetor? This will update any existing admin consent records this application already has to match what is listed below.' Below the text are two buttons: 'Yes' and 'No'. The 'Yes' button is highlighted. In the background, the 'API permissions' table is visible. The table has columns for 'API / Permissions name', 'Admin consent requ...', and 'Status'. The table is grouped by application: 'Dynamics 365 Business Central (2)' and 'Microsoft Graph (1)'. The 'API.ReadWrite.All' permission for Dynamics 365 Business Central is highlighted with a red box, and a mouse cursor is pointing at the 'Grant admin consent for Timelog Connetor' link next to it. The status for this permission is 'Not granted for Timelo...'. The 'User.Read' permission for Microsoft Graph has a status of 'No'.

API / Permissions name	Admin consent requ...	Status
Dynamics 365 Business Central (2)		
API.ReadWrite.All	Application Full access to web services API	Yes ⚠ Not granted for Timelo...
app_access	Application Access according to the application's permissions in Dyna...	Yes ⚠ Not granted for Timelo...
Microsoft Graph (1)		
User.Read	Delegated Sign in and read user profile	No

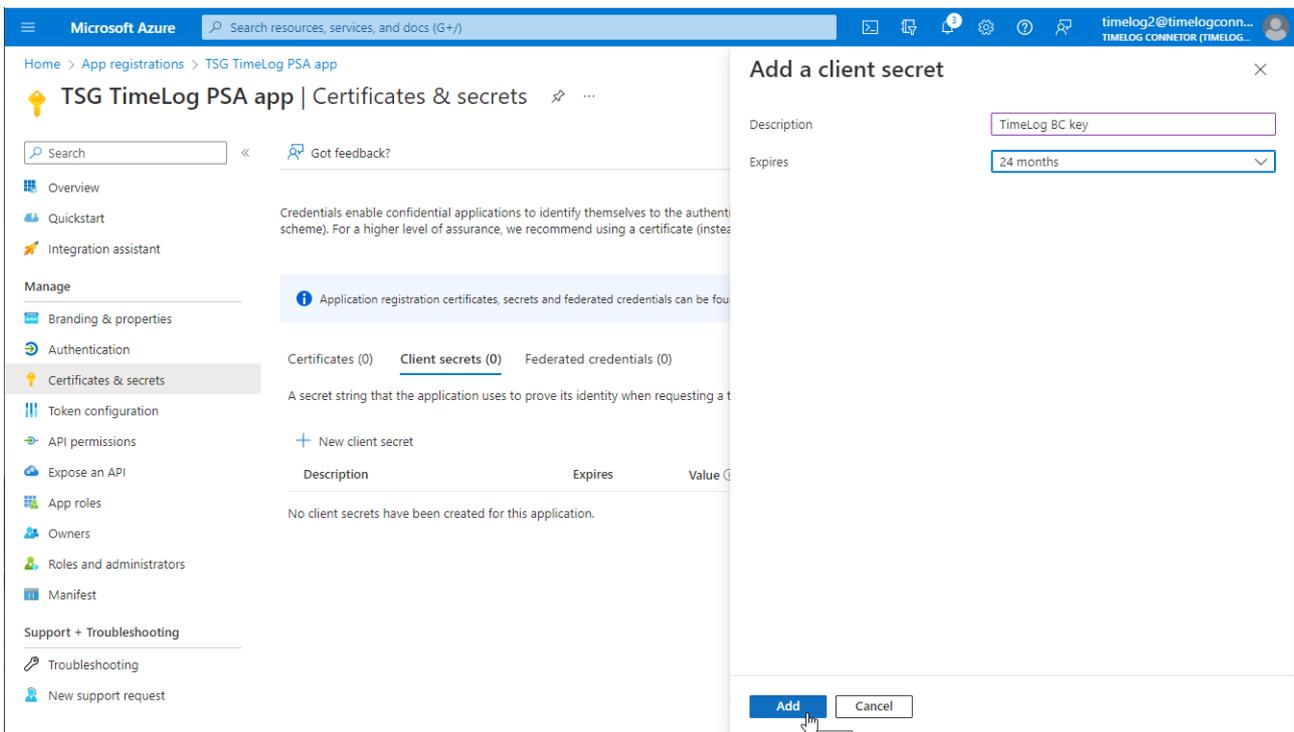
5. Certificates and secrets

Setup client secret (used in authorization code flow scenario and application scenario):

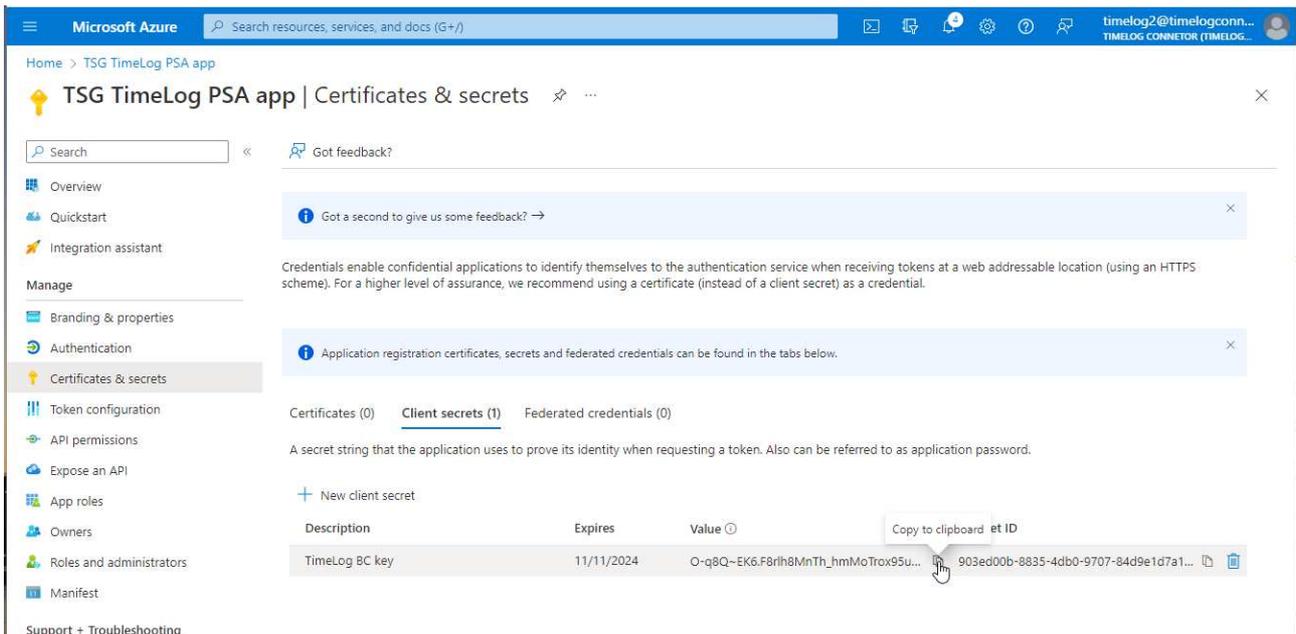
Go to 'Certificates & secrets' - 'Client secrets', click '+ New client secret'



Add some **Description**, choose '**Expires**' setting to 24 months and click '**Add**'



After secret is created, copy secret 'Value' and save for later when setting up the TimeLog to BC-integration.

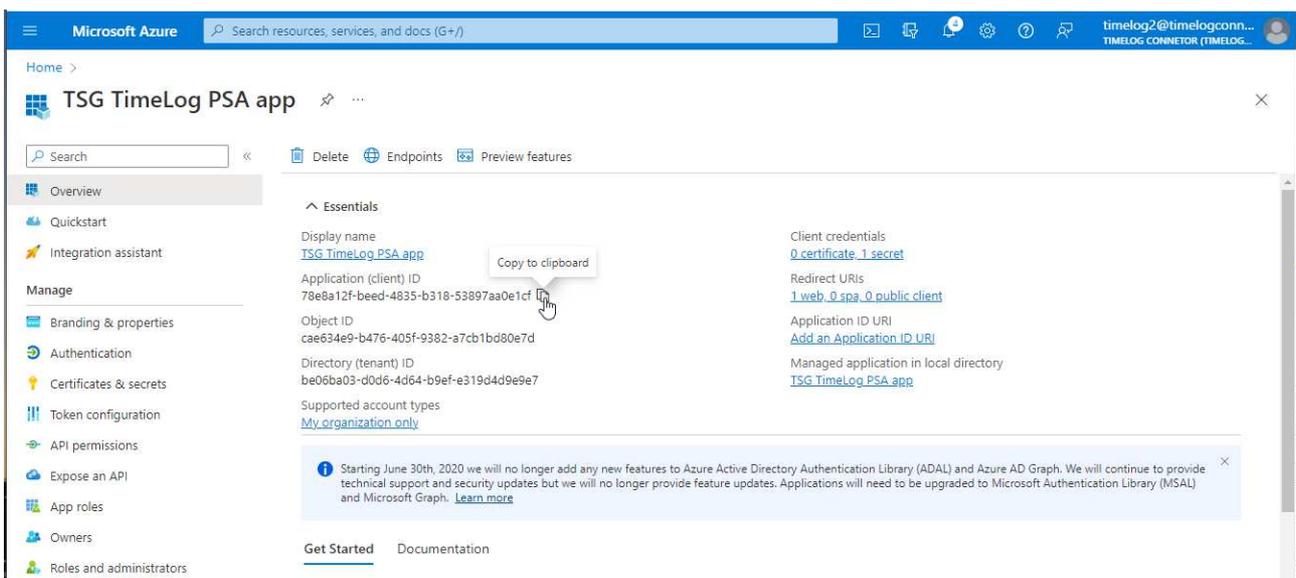


Copy the **Client secret** of the registered application. You will need this later when setting up the TimeLog to BC-integration.

6. Copy client ID

Select **Overview**

Copy the **Application (client) ID** from the App registrations – Overview. You will need it when adding the new client into your Business Central Azure Active Directory Applications

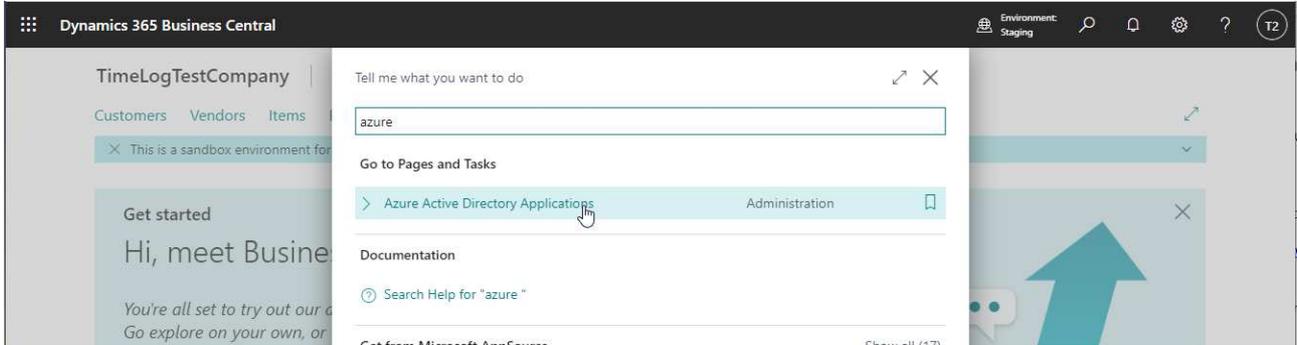


Copy the **Application (client) ID** of the registered application. You will need in the Business Central Azure AD application setup.

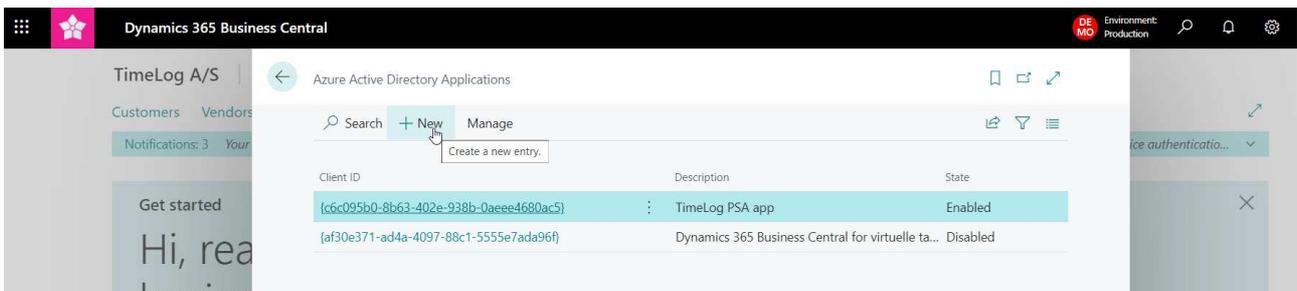
7. Setup of Azure Active Directory Application in Business Central

Complete these steps to set up the Azure AD application for service-to-service authentication in Business Central.

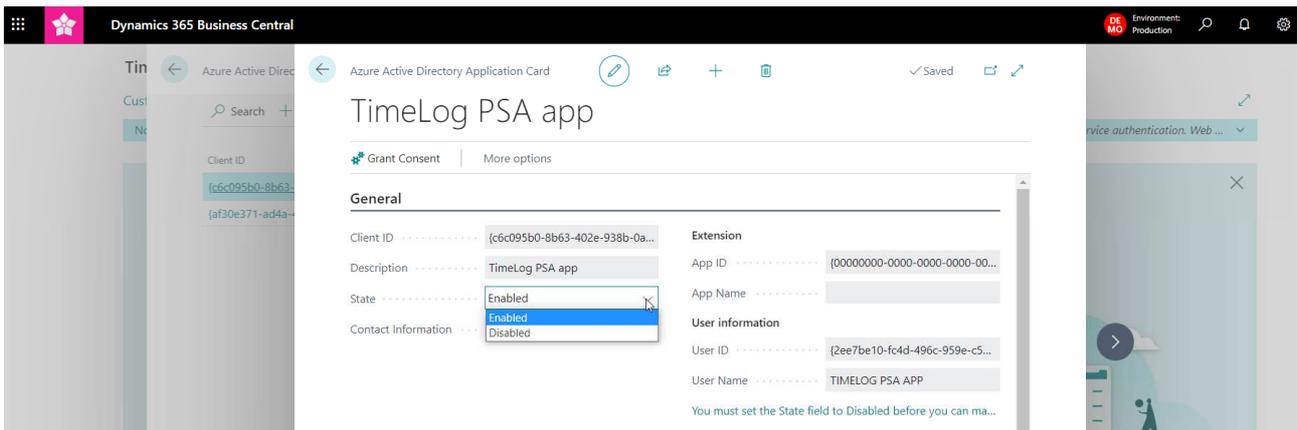
In your Business Central client, search for **Azure Active Directory Applications**



Click **New**,

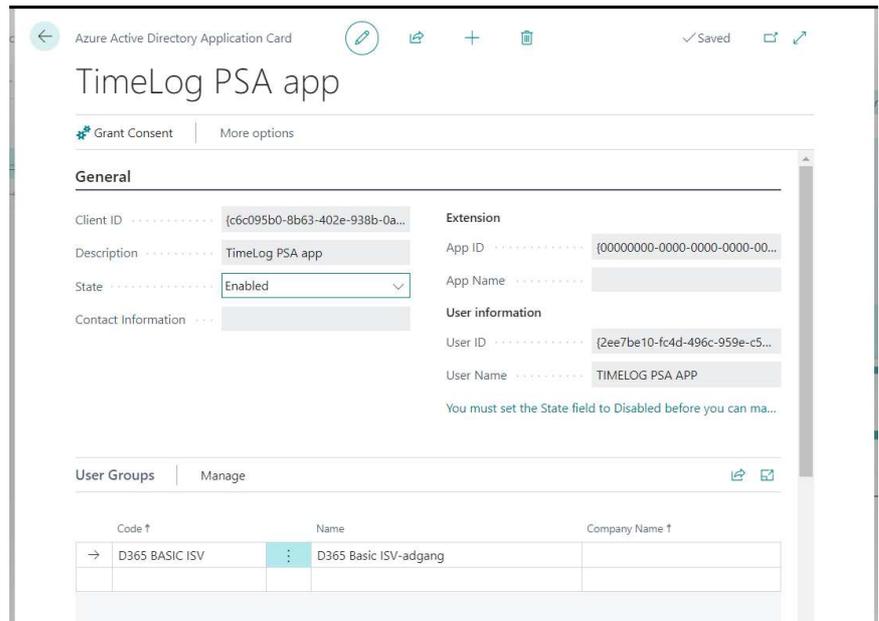


Past the copied Application (client) ID into **Client ID**, add a description name and change State to **Enable** and click **Yes** to the new created user



Add the **User Group**

D365 BASIC ISV

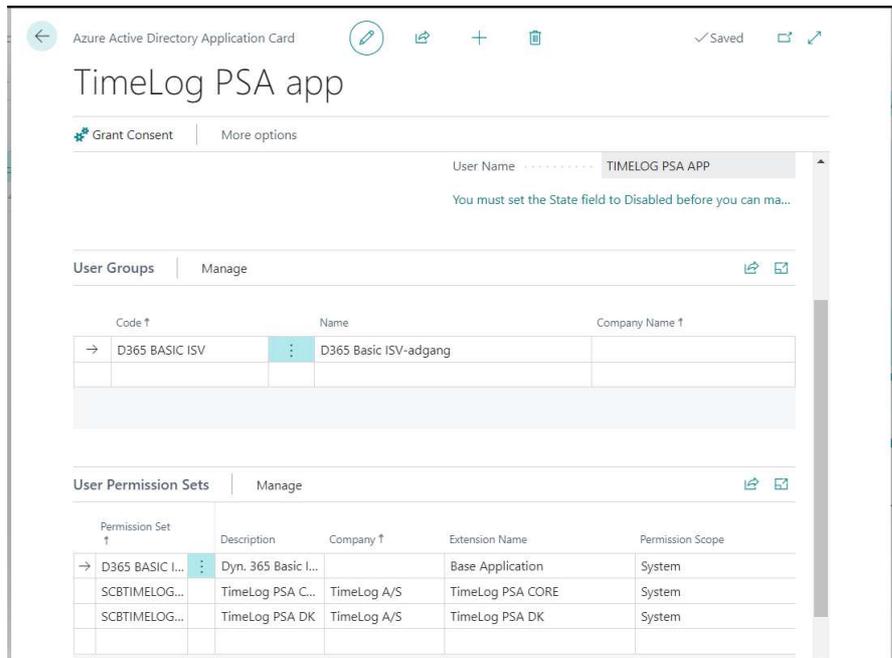


and **User Permission Sets**

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SCBTIMELOGPSACORESET

SCBTIMELOGPSADKSET



The TimeLog PSA-app is now added in your Business Central and you are now ready to setup the integration connection in your TimeLog installation.

8. TimeLog – BC integration connection configuration

Add the Business central integration in TimeLog system administration >> Integrations and API >> Integrations and click **Configure Business Central**.

Select **Business Central Cloud** in **Deployment version**

Add the tenant ID and credentials into the related fields in the user interface

The screenshot shows the 'System administration' interface for Microsoft Dynamics 365 Business Central integration. The main heading is 'Microsoft Dynamics 365 Business Central integration setup'. Below this, there are several sections: 'Setup Business Central Deployment Version' with a dropdown menu set to 'Business Central Cloud'; 'Configuration of connection' which shows a warning 'Connection Not established' and 'Integration Disabled'; and 'Your Microsoft Dynamics 365 Business Central TimeLog A/S credentials' with input fields for 'Tenant Id', 'Environment', 'Client Id', and 'Client Secret'. The 'Tenant Id' field contains the value 'https://api.businesscentral.dynamics.com/v2.0/8c...'. There are also links for 'Found in BC Assisted setup >> TimeLog', 'Select environment in BC', 'Step 6', and 'Step 5'. At the bottom, there are 'Connect' and 'Reset' buttons.

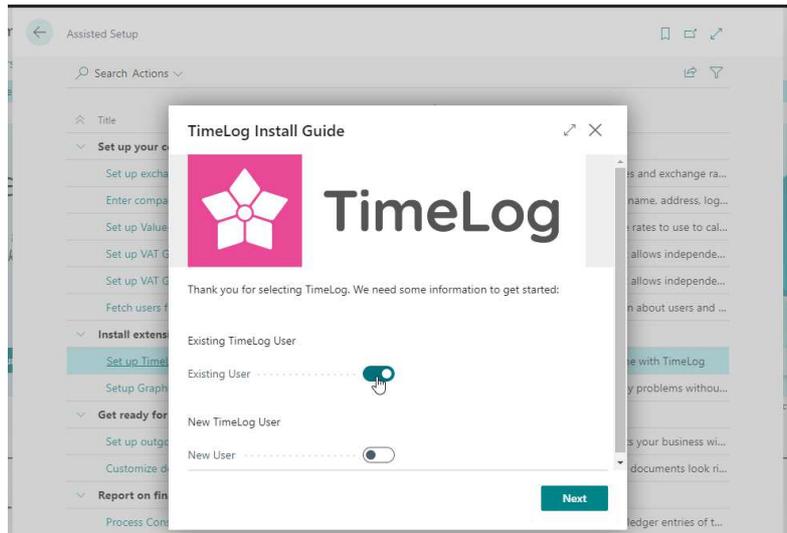
When you have added the credentials information in the four fields are you to click Connect to establish the connection to your Business Central.

The Tenant ID is found in your BC installation via Assisted setup

The screenshot shows the 'Assisted Setup' page in TimeLog. It features a search bar and a list of setup actions. The table below contains the following data:

Title	Completed	Learn more	Description
Set up your company	<input type="checkbox"/>	–	
Set up exchange rates service	<input type="checkbox"/>	Read	View or update currencies and exchange r...
Enter company details	<input type="checkbox"/>	Read	Provide your company's name, address, lo...
Set up Value-Added Tax (VAT)	<input type="checkbox"/>	Read	Set up VAT to specify the rates to use to c...
Set up VAT Group Management	<input type="checkbox"/>	Read	VAT Group Management allows independ...
Set up VAT Group Management	<input type="checkbox"/>	Read	VAT Group Management allows independ...
Fetch users from Microsoft 365	<input checked="" type="checkbox"/>	–	Get the latest information about users and...
Install extensions to add features and int...	<input type="checkbox"/>	–	
Set up TimeLog_PSA	<input checked="" type="checkbox"/>	Read	Manage projects and time with TimeLog
Setup Graphical Inventory Profile	<input type="checkbox"/>	Read	Overview of future supply problems witho...
Get ready for the first invoice	<input type="checkbox"/>	–	
Set up outgoing email	<input type="checkbox"/>	Read	Set up the email accounts your business w...

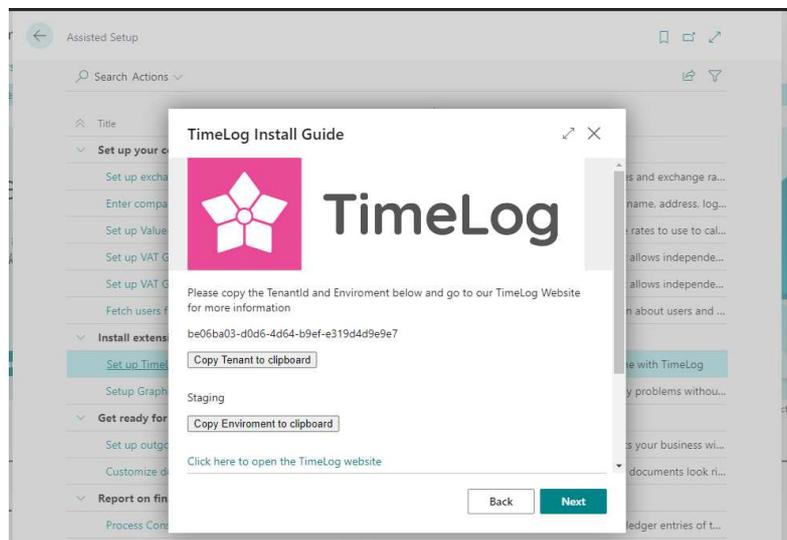
Click on **Setup TimeLog PSA** and click slider next to Existing User, and click **Next**



Copy the **Tenant ID key** and past it into the Tenant ID field in your TimeLog BC integration.

Copy the **Environment name key** and past it into the Environment field in your TimeLog BC integration.

Click **Next** and **Finish** on the next window to close the TimeLog PSA configuration.



The Client ID and Client secret is found in <https://portal.azure.com/#home> >> App registrations >> Your TimeLog PSA app-name >> Overview

