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 <u>Quickstart: Register an application with the Microsoft</u> <u>identity platform</u>

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.

	Microsoft Azure	P Search resources, services, and docs (G+/)	
Hom	e > App registrations >		
Re	gister an appli	cation	×
* Na	me		
The s	iser-facing display name fo	r this application (this can be changed later).	
Tim	eLogS2S	Add your application name	~
Sup	ported account types		
Who	can use this application or	access this API?	
•	Accounts in this organization	onal directory only (timelogconnect.comicrosoft.com only - Single tenant)	
O.	Accounts in any organizati	onal directory (Any Azure AD directory - Multitenant)	
0	Accounts in any organizati	onal directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e	e.g. Skype, Xbox)
0	Personal Microsoft account	s only	
Help	me choose		
Red	rect URI (optional)		
We'll chan	return the authentication i ged later, but a value is rec	esponse to this URI after successfully authenticating the user. Providing this now is opti- pured for most authentication scenarios.	onal and it can be
We	0	https://businesscentral.dynamics.com/OAuthLanding.htm	
Regis	ter an app you're working cations.	on here. Integrate gallery apps and other apps from outside your organization by addin	g from Enterprise
By pr	oceeding, you agree to the	Microsoft Platform Policies 😅	
R	egister		

3. API permissions

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

Microsoft Azure P Search	h resources, services, and doo	cs (G+/)			P	<u></u>		0	ন্থ	timelog2@timelogconr TIMELOG CONNETOR (TIMELOG	- 8
Home > App registrations > TSG Time 	log PSA app 1 pp API permis	ssions 🖈 …									×
🔎 Search	🕐 Refresh 🔰 🔗 Go	ot feedback?									
Uverview											
 Quickstart Integration assistant 	The "Admin consent reflect the value in y	t required" column shows th your organization, or in orga	he default value for an organization. However, us anizations where this app will be used. <u>Learn mo</u>	er consent can ire	be custo	mized p	er pern	nission,	user, or a	app. This column may not	×
Manage	Configured permission	ons									
 Branding & properties Authentication Certificates & secrets Token configuration 	Applications are authorize all the permissions the ap + Add a permission	ed to call APIs when they pplication needs. Learn no	are granted permissions by users/admins as ore about permissions and consent t for Timelog Connetor	part of the cor	nsent pr	ocess. 1	he list	of cont	figured p	permissions should include	
 API permissions 	Microsoft Graph (1)	dd a permission pe	Description		A		insenti	equ	Status		
 Expose an API App roles 	User.Read	Delegated	Sign in and read user profile		No)					
 Owners Roles and administrators Manifest 	To view and manage cons	sented permissions for inc	dividual apps, as well as your tenant's consen	t settings, try E	Interpri	se appli	cations				
Support + Troubleshooting											

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

agrico in oach		
ermissions		expand
typing a permission to filter these results		
nission	Admin consent required	
er permissions (1)		
app_access ③ Access according to the application's permissions in Dynamics 365 Business Central	Yes	
ninCenter		
AdminCenter.ReadWrite.All ③ Full access to Admin Center API	Yes	
(1)		
API.ReadWrite.All ① Full access to web services API	Yes	
omation		
Automation.ReadWrite.All ③ Full access to automation	Yes	
	ermissions typing a permission to filter these results nission er permissions (1) app_access ① Access according to the application's permissions in Dynamics 365 Business Central ninCenter AdminCenter.ReadWrite.All ① Full access to Admin Center API (1) API.ReadWrite.All ① Full access to web services API contation Automation.ReadWrite.All ① Full access to automation	Admin consent required app_access () Admin consent required app_access () Ves Access according to the application's permissions in Dynamics 365 Business Central Ves ninCenter Ves Admin Center ReadWrite.All () Ves API.ReadWrite.All () Ves Full access to web services API Ves antion Ves

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'

	Microsoft Azure	$\mathcal P$ Search resources, services, and docs (G+/)				R	P		0	ন্থ	timelog2@timelog TIMELOG CONNETOR (TI	ICONN 🔕
Hom	ne > App registrations (TSG TimeLog PSA app										
-9-	TSG TimeLog	PSA app API permissions 🔗										\times
: ٩	Search	≪ 🕐 Refresh 🛛 🖗 Got feedback?										
18	Overview	Grant admin consent confirm	ation.									
4 3	Quickstart	Do you want to grant consent for the r	equeste	d permissions for all accounts in Timelog Conn	etor? Thi	s will u	pdate	any ex	isting	admin (consent records this a	pplication
*	Integration assistant	already has to match what is listed belo	ow.									
Man	age	Yes No										
	Branding & properties											
Э	Authentication	Configured permissions										
1	Certificates & secrets	Applications are authorized to call APIs when a section and the permissions the application people	hen they	are granted permissions by users/admins as part o	of the con	sent pr	ocess.	The list	ofcon	figured	permissions should inc	lude
111	Token configuration	an the permissions the application recus.	Learning	ore about permissions and consent								
÷.	API permissions	+ Add a permission 🗸 Grant admir	n consent	t for Timelog Connetor								
	Expose an API	API / Permissions name Grant admin	consent	for Timelog Connetor		Ac	lmin co	onsent	requ	Status		
114	App roles	✓ Dynamics 365 Business Central (2)										
24	Owners	API.ReadWrite.All Ap	plication	Full access to web services API		Ye	5			🛕 N	lot granted for Timelo	
2,	Roles and administrators	app_access Ap	plication	Access according to the application's permission	ns in Dyna	a Ye	5			🔺 N	lot granted for Timelo	•••
	Manifest	∼ Microsoft Graph (1)										
Supp	port + Troubleshooting	User.Read Del	legated	Sign in and read user profile		No)					
Ø	Troubleshooting											
2	New support request	To view and manage consented permissio	ns for inc	dividual apps, as well as your tenant's consent setti	ings, try E	nterpri	ie appli	ications				

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'

😑 Microsoft Azure 🔎 s	earch resources, services, and docs (G+/)		Ŗ	P		0	ন্থ	timelog2@timelogconn
Home > TSG TimeLog PSA app	A app Certificates & secrets 🛷 …							×
₽ Search	« 反 Got feedback?							
 Overview Quickstart Integration assistant 	Credentials enable confidential applications to identify themselves to the authenti scheme). For a higher level of assurance, we recommend using a certificate (instea	cation service when receivi d of a client secret) as a cre	ng token dential.	is at a v	veb add	ressab	le locati	on (using an HTTPS
Manage	Application registration certificates, secrets and federated credentials can be four	nd in the tabs below.						×
Authentication Certificates & secrets Ju Taken configuration	Certificates (0) Client secrets (0) Federated credentials (0) A secret string that the application uses to prove its identity when requesting a t	oken. Also can be referred	o as app	plication	n passw	ord.		
 API permissions 	+ New client secret							
 Expose an API App rolor 	Description Expires Value 🤅)		3	Secret I	D		
Owners	No client secrets have been created for this application.							
 Roles and administrators Manifest 								

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

■ Microsoft Azure	resources, services, and docs (G+/)	D 🖟 🖓	© R	timelog2@timelogconn
Home > App registrations > TSG TimeL	og PSA app	Add a client secret		×
🛉 TSG TimeLog PSA a	pp Certificates & secrets 🛛 🖈 \cdots			
✓ Search «	₽ Got feedback?	Description Expires	TimeLog BC key 24 months	~
 Overview Quickstart Integration assistant 	Credentials enable confidential applications to identify themselves to the authenti scheme). For a higher level of assurance, we recommend using a certificate (inster			
Manage Branding & properties	Application registration certificates, secrets and federated credentials can be fou			
Authentication	Certificates (0) Client secrets (0) Federated credentials (0)			
📍 Certificates & secrets	A secret string that the application uses to prove its identify when requesting a t			
Token configuration	A secret string that the application uses to prove its identity when requesting a t			
API permissions	+ New client secret			
🚳 Expose an API	Description Expires Value 🤅			
App rolesOwners	No client secrets have been created for this application.			
& Roles and administrators				
Manifest				
Support + Troubleshooting				
Troubleshooting				
New support request		Add Cancel		

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

Home > TSG TimeLog PSA app TSG TimeLog PSA app Certificates & secrets	×
■ Overview ■ Quickstart Integration assistant • Credentials enable confidential applications to identify themselves to the authentication service when receiving tokens at a web addressable location (using an HTTPS scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential. • Authentication • Authentication • Certificates & secrets	
Integration assistant Credentials enable confidential applications to identify themselves to the authentication service when receiving tokens at a web addressable location (using an HTTPS scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential. Branding & properties Authentication Certificates & secrets Authentication registration certificates, secrets and federated credentials can be found in the tabs below.	<
 Branding & properties Authentication Application registration certificates, secrets and federated credentials can be found in the tabs below. Certificates & secrets 	
Certificates & secrets	<.
Token configuration Certificates (0) Client secrets (1) Federated credentials (0)	
 API permissions A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password. Expose an API 	
K App roles + New client secret	
A Owners Description Expires Value O Copy to clipboard et ID	
👗 Roles and administrators TimeLog BC key 11/11/2024 O-q8Q~EK6.F8rlh8MnTh_hmMoTrox95u 🗗 903ed00b-8835-4db0-9707-84d9e1d7a1 🗈	
III Manifest	

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

 Dynamics 365 Business Central			Environment: Staging	P	Q	ŵ	?	(T2)
TimeLogTestCompany	Tell me what you want to do	ZX						
Customers Vendors Items I	azure					2		
X This is a sandbox environment for	Go to Pages and Tasks		_			~		
Get started	> Azure Active Directory Applications Administration	Π				\times		
Hi, meet Busine	Documentation							
You're all set to try out our o	Search Help for "azure "		7					
Go explore on your own, or	Cat from Microsoft AnnCourses	Channall (17)						

Click New,

 Dynamics 365 Business Cer	ntral						MO Prode	onment: Iction	Q	Q	ŝ
TimeLog A/S 🤘 🤶	Azure Active Directory Applications			[] []	2					
Customers Vendors Notifications: 3 Your	Search + New Manage Create a new entry.			E	? 7	≣		ice auth	nenticati		2 1
and the second se	Client ID		Description	State							
Get started	{c6c095b0-8b63-402e-938b-0aeee4680ac5}	÷	TimeLog PSA app	Enabled						×	2
Hi, rea	{af30e371-ad4a-4097-88c1-5555e7ada96f}		Dynamics 365 Business Central for virtuelle ta	. Disabled							

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

 *	ynamio	cs 365 Bu	isiness Central										DE Environment: Production	Q	Q	ŝ
	Tin	← A	zure Active Direc	\leftarrow	Azure Active Directory Application Card		¢.	- 🗊		√ Sa	aved 🖬	2				
	Cust		,♀ Search +		TimeLog PSA app)							rvice authenticatior	1. Web	~	
		c	Client ID		Grant Consent More options										~	
			(<u>c6c095b0-8b63-</u> (af30e371-ad4a-4		General										~	
					Client ID (c6c095b0-8b63-40 Description TimeLog PSA app)2e-938b-0a	Exte	nsion ID	{	{00000000-0000-000	00-0000-00					
					State Enabled)	App App	Name ·····								
					Contact Information Disabled		Use	ID	••••• {	{2ee7be10-fc4d-496	c-959e-c5					
							Use	Name · · · · · ·	1	TIMELOG PSA APP			1			
							You	nust set the Stat	ite field	l to Disabled before y	ou can ma		- 7			

Add the User Group

D365 BASIC ISV

Grant Consent	More options			
General				
Client ID	{c6c095b0-8b6	3-402e-938b-0a	Extension	
Description	TimeLog PSA a	pp	App ID	{00000000-0000-0000-0000-00
itate	Enabled	~	App Name	
Contact Information			User information	
			User ID	{2ee7be10-fc4d-496c-959e-c5
			User Name	TIMELOG PSA APP
			You must set the State fiel	d to Disabled before you can ma
Jser Groups 🕴 🕅	lanage			e 🛙
800 FD 167				al 201 S
Code †		Name	3	Company Name 1

and User Permission Sets	C Azure Active Directory Application Card	red 🖬 🖉
	TimeLog PSA app	
D365 BASIC ISV	📌 Grant Consent More options	
SCBTIMELOGPSACORESET	User Name TIMELOG PSA APP	-
SCBTIMELOGPSADKSET	You must set the State held to Disabled before yo	u can ma
	User Groups Manage	6
	Code † Name Company Name 1	
	→ D365 BASIC ISV : D365 Basic ISV-adgang	
	User Permission Sets Manage	e 5
	Permission Set † Description Company † Extension Name Permission Scope	_
	→ D365 BASIC I : Dyn. 365 Basic I Base Application System	
	SCBTIMELOG TimeLog PSA C TimeLog A/S TimeLog PSA CORE System	
	SCBTIMELOG TimeLog PSA DK TimeLog A/S TimeLog PSA DK System	

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

Back to TimeLog 🕥 🕒
sion for Microsoft Dynamics 365 Business Central eployment version description
soft Dynamics 365 Business Central Timelog A/S
nection between TimeLog and Business Central, you information for your Business Central account. crosoft Dynamics 365 Business Central here
rtup >> TimeLog BC

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

Assisted Setup			
\nearrow Search Actions \smallsetminus			¢ 7
☆ Title	Completed	Learn more	Description
✓ Set up your company		-	A
Set up exchange rates service		Read	View or update currencies and exchange r
Enter company details		Read	Provide your company's name, address, Io
Set up Value-Added Tax (VAT)		Read	Set up VAT to specify the rates to use to c
Set up VAT Group Management		Read	VAT Group Management allows independ
Set up VAT Group Management		Read	VAT Group Management allows independ
Fetch users from Microsoft 365	v	_	Get the latest information about users and
		_	
Set up TimeLog PSA		Read	Manage projects and time with TimeLog
ি Setup Graphical Inventory Profile		Read	Overview of future supply problems witho
		_	
Set up outgoing email		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 <u>https://portal.azure.com/#home</u> >> App registrations >> Your TimeLog PSA app-name >> Overview

