

TDC ERHVERV Azure App Integration User Guide

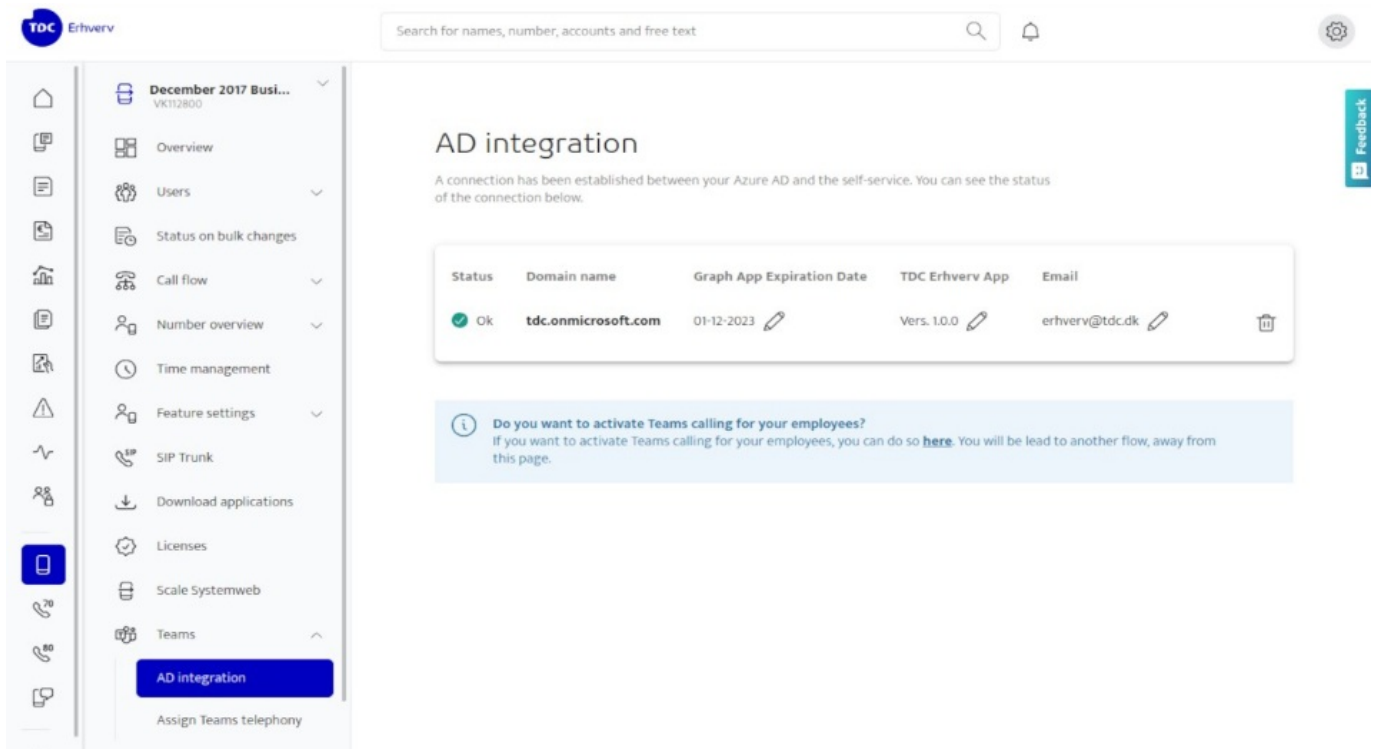
[Home](#) » [TDC](#) » TDC ERHVERV Azure App Integration User Guide 

Contents

- [1 TDC ERHVERV Azure App Integration](#)
- [2 Introduction](#)
- [3 Installing the Intergration App](#)
- [4 Documents / Resources](#)
 - [4.1 References](#)



TDC ERHVERV Azure App Integration



Introduction

This guide will walk you through the process of creating an app registration and installing the Integration App in Azure. It includes steps such as checking your Azure subscription, creating a resource group and app registration, and installing the Integration App. Additionally, it provides an optional security review of the app. The guide provides clear steps and instructions, including information on necessary IDs and keys. After installation, you can enable various operations within the app based on JSON content, such as self-testing, inspection, and control of Teams telephony. It is important to follow the instructions not to modify the Powershell code and to take note of important information like app keys and URLs. This guide will help you set up the Integration App correctly and use its features to enhance your business communication with TDC Business Selfservice.

1. Prepare the Target Tenant

It is assumed that you have followed this guide: <https://tdc.dk/implementation-guide-teams>. This ensures that your Azure Tenant is configured for telephony, connected to a Supertrunk, and that the Supertrunk is linked to a Broadworks trunk.

2. Creating an App-registration for Graph access and integrating it with Selfservice

This is described in this guide: <https://tdc.dk/kundeservice/telefoniloesning/tjenester/teams-telefoni/opsaet-ad-integration>

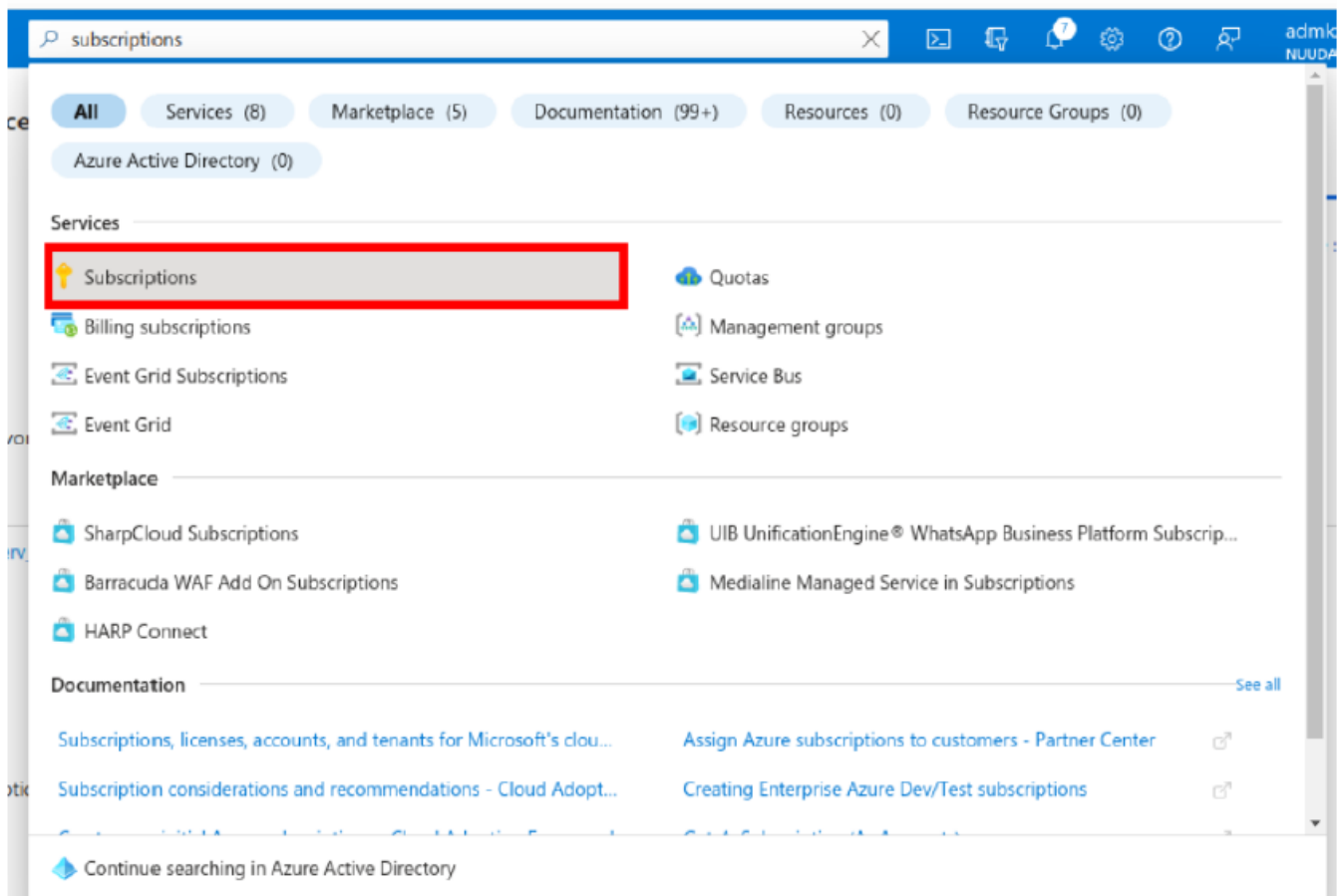
3. Creating an App-registration for the intergration App and Installing the Integration App

Log in-to the target Azure Tenant on <https://portal.azure.com/> using an account that is Administrator. If you are not a Billing Administrator some of the steps below will not work for you.

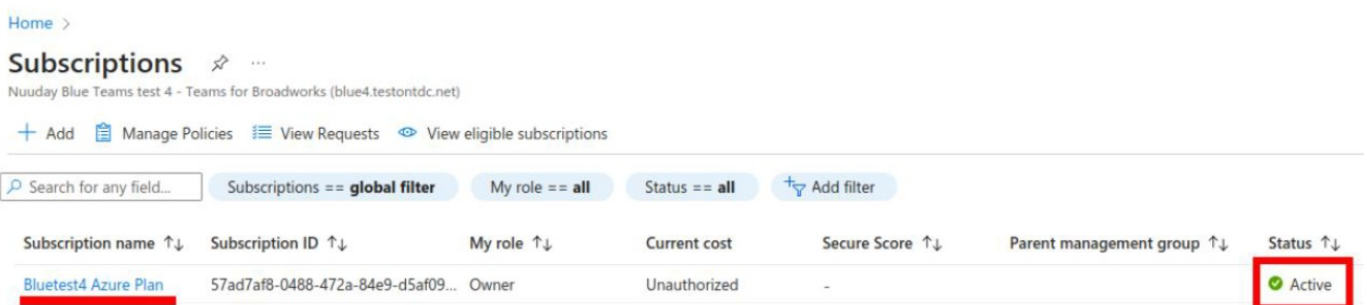
Check your Azure Subscription

Before we start, let's make sure your Azure Tenant has an active Subscription. This is necessary because the Integration App consumes cloud storage and CPU cycles whenever it is triggered. Azure must be able to bill these expenses, and this requires a Subscription.

Search for Subscriptions and go to that section by clicking the Subscriptions link with the yellow key icon.



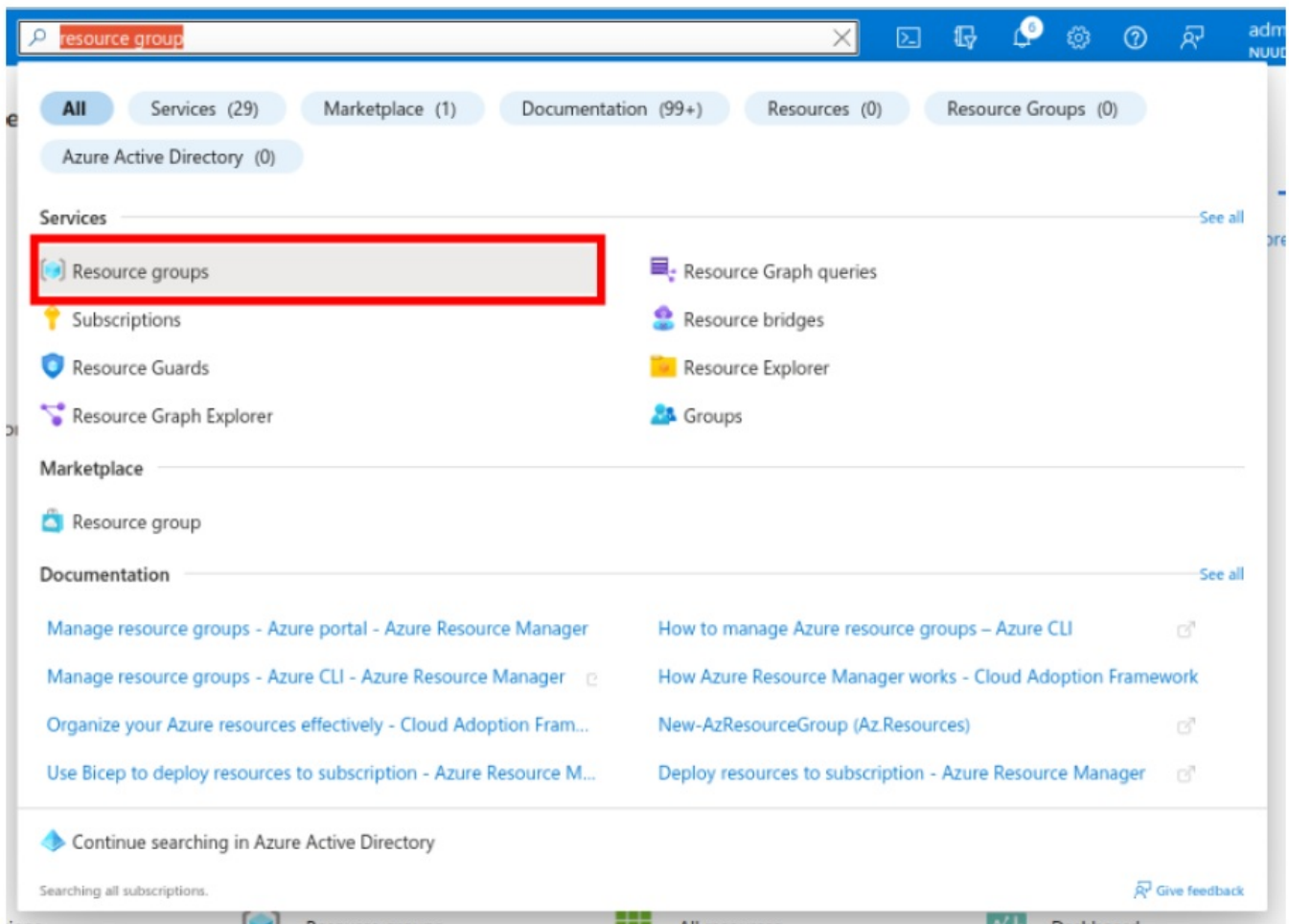
Your organization may have more than one Subscription listed here. Be sure you have decided on which one to use and double check that it is Active.



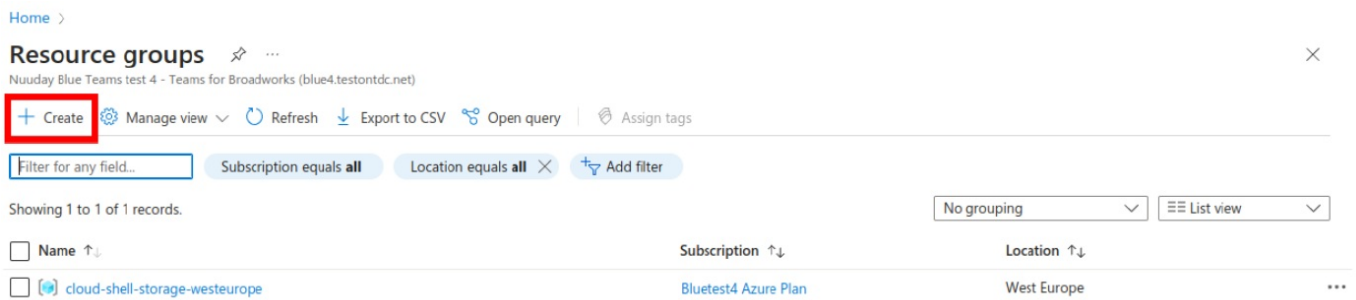
Make a note of the Subscription name, we will need it later. In this example we will be using a Subscription called Bluetest4 Azure Plan.

Create a Ressource group and find the Tenant ID

The Integration App will need to be installed into a new empty Azure Resource group. Search for Resource groups and go to that section.



You may already have several resource groups already listed here, ignore those, and click the plus-icon to create a new empty resource group.



You should see a page that looks like this.

- Choose the Azure Subscription that we found in the section above. This will be billed for the storage and CPU cycles consumed by the Integration App once it is installed.
- You can enter any (locally unique) name for your new group, in this example we will call it TDC_Erhverv_Telephony_Integration.
- Choose a region that is geographically close to the TDC Erhverv servers, for example “(Europe) North Europe”.

Home > Resource groups >

Create a resource group ...

Basics Tags Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Project details

Subscription *	Bluetest4 Azure Plan	←
Resource group *	TDC_Erhverv_Telephony_Integration	←

Resource details

Region *	(Europe) North Europe	←
----------	-----------------------	---

Review + create < Previous Next : Tags >

Click Review + create. And then on the next page click Create. (Pro tip: if your accounting department wants telephony related cloud resources grouped together, you can optionally add some helpful Tags).

Home > Resource groups >

Create a resource group ...

✓ Validation passed.

Basics Tags **Review + create**

Basics

Subscription	Bluetest4 Azure Plan
Resource group	TDC_Erhverv_Telephony_Integration
Region	North Europe

Tags

None

Create < Previous Next > [Download a template for automation](#)

Remember the name of your new empty Resource group, we will need it later.

Resource groups

Nuuday Blue Teams test 4 - Teams for Broadworks (blue4.testontdc.net)

[+ Create](#) [Manage view](#) [Refresh](#) [Export to CSV](#) [Open query](#) [Assign tags](#)

Filter for any field...

Subscription equals all

Location equals all

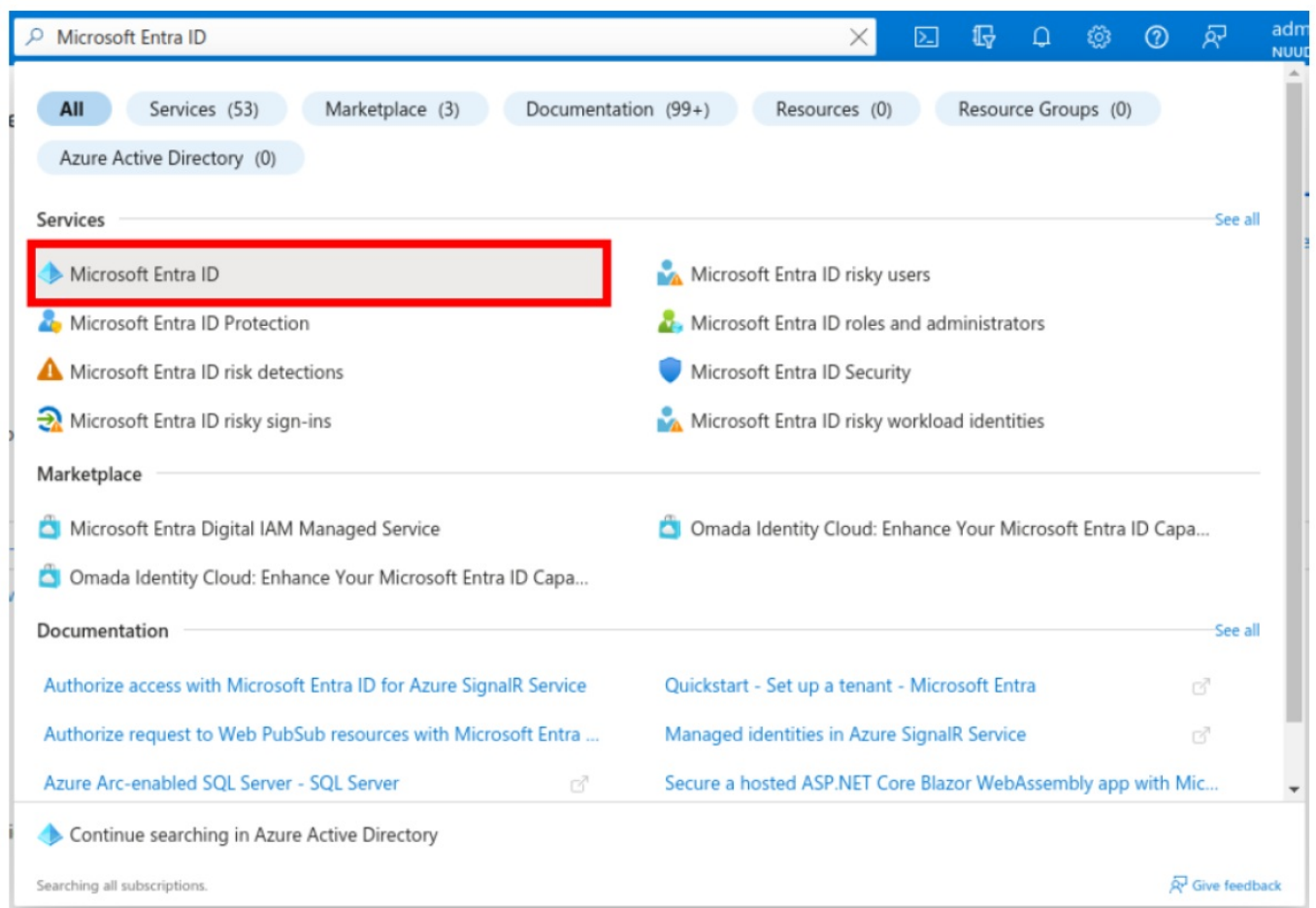
[Add filter](#)

Showing 1 to 2 of 2 records.

No grouping

<input type="checkbox"/> Name ↑↓	Subscription ↑↓	Location ↑↓
<input type="checkbox"/> cloud-shell-storage-west europe	Bluetest4 Azure Plan	West Europe
<input type="checkbox"/> TDC_Erhverv_Telephony_Integration	Bluetest4 Azure Plan	North Europe

We will also need to note down the global ID of your tenant. To find it search for Microsoft Entra ID and go to that section.



You can now read off the Tenant ID. In this example it is 52d54f0b-90ea-450b-be8b-acd3d8c7a201. Note it down, we will need it in the next section.

Home >

Nuuday Blue Teams test 4 - Teams for Broadworks | Overview

Microsoft Entra ID

+ Add Manage tenants What's new Preview features Got feedback?

Azure Active Directory is now Microsoft Entra ID. [Learn more](#)

Overview Monitoring Properties Recommendations Tutorials

Search your tenant

Basic information

Name	Nuuday Blue Teams test 4 - Teams for Broadworks	Users	76
Tenant ID	52d54f0b-90ea-450b-be8b-acd3d8c7a201	Groups	12
Primary domain	blue4.testontdc.net	Applications	2
License	Microsoft Entra ID P1	Devices	1
Alerts			

At this point we should have noted down:

- Subscription name: Bluetest4 Azure Plan (we used it in this section but will need it again later)
- New empty resource group, located in northern Europe: TDC_Erhverv_Telephony_Integration
- Your Azure Tenant ID: 52d54f0b-90ea-450b-be8b-acd3d8c7a201

Creating an App registration

When we install the App, it will need to be configured with credentials, we provide these by making a new App-registration and configuring it with the required permissions.

Let's get started. Search for App registration and click on the link to go there.

App registration

All Services (36) Documentation (99+) Resources (0) Resource Groups (0) Marketplace (0)

Azure Active Directory (0)

Services

App registrations

App proxy

App Services

Function App

Event Grid Partner Registrations

Application gateways

App Configuration

Application groups

Documentation

Microsoft Graph Data Connect app registration - Microsoft Graph

Share gallery images across tenants using an app registration - Az...

Tutorial: Register a Single-page application with the Microsoft ide...

Configure required Azure AD Graph permissions for an app regist...

Create a service principal in Azure.

Tutorial: Register a web application in Azure Active Directory B2C ...

Implement app registration - Training

Share gallery images using an app registration - Azure Virtual Ma...

Continue searching in Azure Active Directory

Searching all subscriptions.

Give feedback

From the section App registration choose the tab All applications. If you have already completed the guide Opsæt AD-integration you should already have a registration here called TDC Erhverv Selvbetjening. If you don't, this is fine. You can come back and create this other registration later.

Home >

App registrations

+ New registration | Endpoints | Troubleshooting | Refresh | Download | Preview features | Got feedback?

Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory Authentication Library (ADAL) and Azure Active Directory Graph. We will continue to provide technical support and security updates but we will no longer provide feature updates. Applications will need to be upgraded to Microsoft Authentication Library (MSAL) and Microsoft Graph. [Learn more](#)

All applications | Owned applications | Deleted applications

Start typing a display name or application (client) ID to filter these r... | Add filters

1 applications found

Display name ↑↓	Application (client) ID	Created on ↑↓	Certificates & secrets
TE TDC Erhverv selvbetjening	a56a5e89-1bbb-4825-acc8-7f07b5d2eaed	11/17/2022	✓ Current

Now click the link at the top with the plus-sign called New registration.

- You can name the new registration anything, but in this example, we will call it TDC Erhverv Telephony Integration. Remember this name, we will need it later.
- Under Supported account typed choose Accounts in this organizational directory only (Single tenant).
- Don't enter any value for the section Redirect URI.

Click the Register button at the bottom.

Register an application

* Name

The user-facing display name for this application (this can be changed later).

TDC Erhverv Telephony Integration ✓

Supported account types

Who can use this application or access this API?

- ☒ Accounts in this organizational directory only (Nuuday Blue Teams test 4 - Teams for Broadworks 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 only

[Help me choose...](#)

Redirect URI (optional)

We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be

By proceeding, you agree to the [Microsoft Platform Policies](#)

Register

You should now see the Overview page for your new App-registration. From this page note down the Application (client) ID, in this example it is 3068f451-4cfb-4c68-b213-2b39a269e693, and save it, we will need it later.

Microsoft Azure Search resources, services, and docs (G+)

Home > App registrations >

TDC Erhverv Telephony Integration

Search

Overview

Quickstart

Integration assistant

Manage

- Branding & properties
- Authentication
- Certificates & secrets
- Token configuration

Delete Endpoints Preview features

Essentials

Display name
[TDC Erhverv Telephony Integration](#)

Application (client) ID
3068f451-4cfb-4c68-b213-2b39a269e693

Object ID
7fc4b503-3a63-4edb-a008-667281187f0a

Directory (tenant) ID
52d54f0b-90ea-450b-be8b-acd3d8c7a201

Supported account types
[My organization only](#)

Client credentials
[Add a certificate or secret](#)

Redirect URIs
[Add a Redirect URI](#)

Application ID URI
[Add an Application ID URI](#)

Managed application in local directory
[TDC Erhverv Telephony Integration](#)

Next click the section Certificate & secrets in the menu bar on the left. You should now see this page. Click the plus-icon New client secret.

TDC Erhverv Telephony Integration | Certificates & secrets

Search

Got feedback?

Overview

Quickstart

Integration assistant

Manage

Branding & properties

Authentication

Certificates & secrets

Token configuration

API permissions

Expose an API

App roles

Owners

Roles and administrators

Credentials enable confidential applications to identify themselves to the authentication service when receiving tokens at a web addressable loc scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential.

Application registration certificates, secrets and federated credentials can be found in the tabs below.

Certificates (0) **Client secrets (0)** Federated credentials (0)

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

+ New client secret

Description	Expires	Value	Secret ID
No client secrets have been created for this application.			

This is the secret that we will later give the Integration App so that it may use the identity of this App registration when performing telephony related operations in your Teams setup.

- You can add any Description you want, but in this example, we will call it TDC Erhverv Telephony Integration.
- You can choose any Expires date you want. We recommend choosing the max.: 24 months – this way you will not have to reconfigure your App for at least two years.
- When you are done click the button Add at the bottom.

Home > App registrations > TDC Erhverv Telephony Integration

TDC Erhverv Telephony Integration | Certificates & secrets

Search

Got feedback?

Overview

Quickstart

Integration assistant

Manage

Branding & properties

Authentication

Certificates & secrets

Token configuration

API permissions

Expose an API

App roles

Owners

Roles and administrators

Manifest

Support + Troubleshooting

Troubleshooting

Credentials enable confidential applications to identify themselves to the authentication service when receiving tokens at a web addressable loc scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential.

Application registration certificates, secrets and federated credentials can be found in the tabs below.

Certificates (0) **Client secrets (0)** Federated credentials (0)

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

+ New client secret

Description Expires

No client secrets have been created for this application.

Add a client secret

Description

Expires

TDC Erhverv Telephony Integration

730 days (24 months)

Recommended: 180 days (6 months)

90 days (3 months)

365 days (12 months)

545 days (18 months)

730 days (24 months)

Custom

Add Cancel

You have now created a new secret. Do not share this with anyone, not even TDC Erhverv. You will need to note down the secret value, we will need this later. Be aware that once you leave this page the value can never be displayed again – so note it down now. (Pro tip: If you lose the value of your secret, just delete it and make a new one). In this example the value of our secret is xDn8Q~GpsHX9BnvlGjrhy~s9uuUxY8T1A~iMla8l.

TDC Erhverv Telephony Integration | Certificates & secrets

Search

Got feedback?

Overview

Quickstart

Integration assistant

Manage

Branding & properties

Authentication

Certificates & secrets

Token configuration

API permissions

Expose an API

App roles

Owners

Roles and administrators

Manifest

Got a second to give us some feedback? →

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.

Application registration certificates, secrets and federated credentials can be found in the tabs below.

Certificates (0) Client secrets (1) Federated credentials (0)

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

+ New client secret

Description	Expires	Value	Secret ID
TDC Erhverv Telephony Integration	9/10/2025	xDn8Q-GpsHX98nvgJrhy-s9uuUxY8T...	1889d59e-f5f3-4f4f-aeed-7ab601646035

You should also make a note of the secret expire date. In this example it is 2025-09-10. It is good practice to set yourself a reminder to come back and update the secret (see our PDF-file for this on page) two weeks before the secret expires.

Outlook

Search

Home View Help

New event

Day Work week Week Month Split view

2025 August

Today

2025, August 25-29 (We)

Mon 25 Tue 26

Calendar

Save Discard

Replace secret for TDC Erhverv Telephony I...

Invite required attendees

2025-08-26 All day

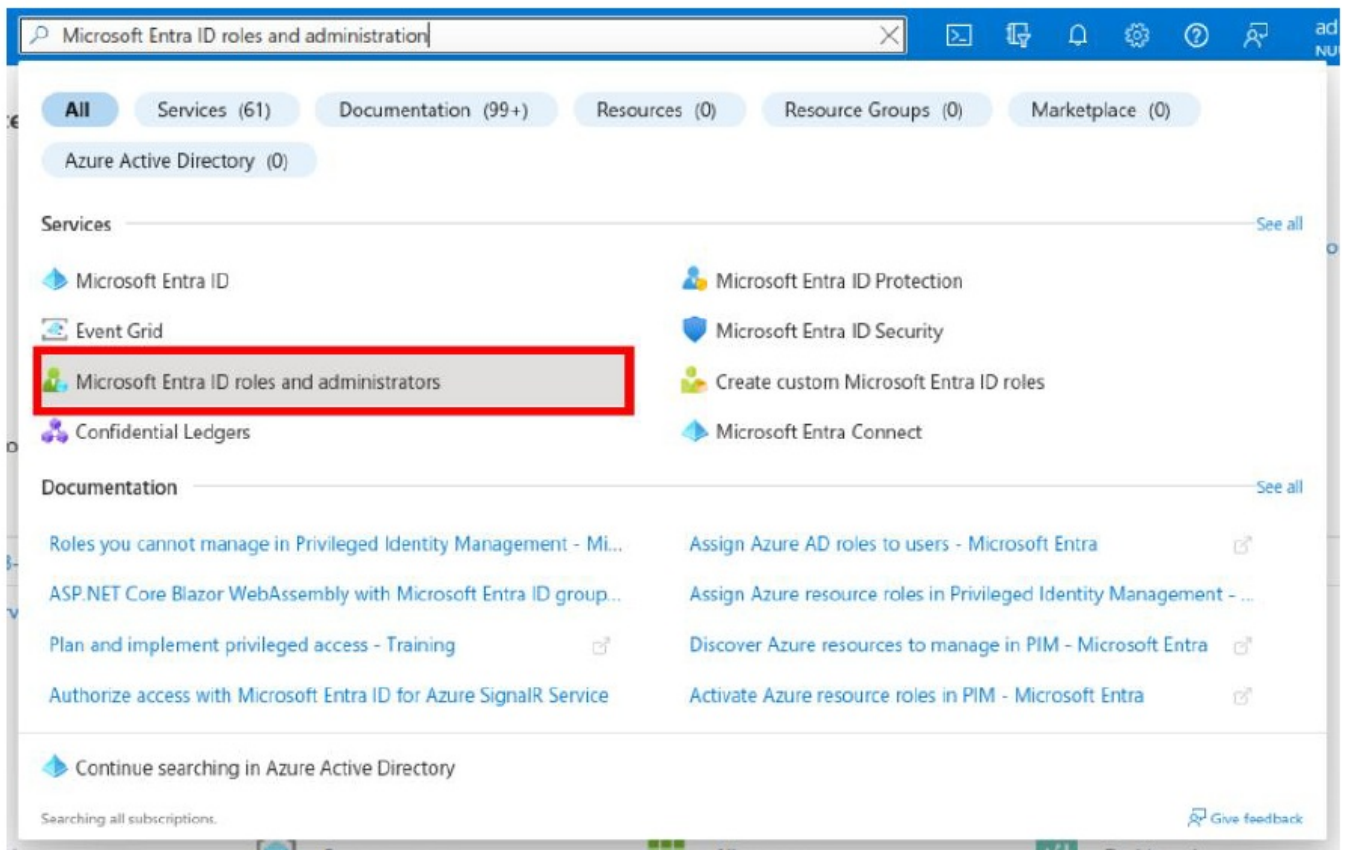
2025-08-26

Search for a room or location

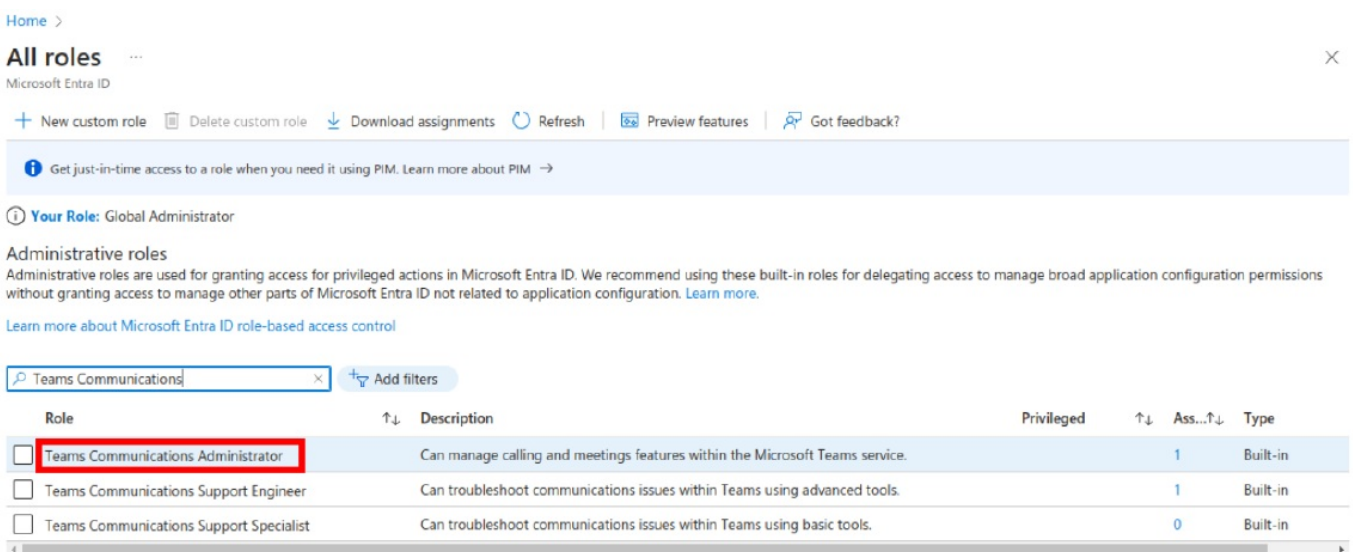
The secret we made for the TDC Erhverv Integration App will expire in two weeks. We should replace it now before Selfservice stops working.

More options

The new App registration by itself can't do much. Now we will grant it the permissions it needs to update Teams telephony setting. Search for the section called Microsoft Entra ID roles and administration and go there.



Now search for the role called Teams Communications Administrator. Click the name of the role (not the check box) to proceed.



On this page you may already have this role assigned to someone. In this example we do not. In either case click the plus-icon at the top to add a new assignment.

portal.azure.com/#view/Microsoft_AAD_IAM/RoleMenuBlade/~RoleMembers/objectid/baf37b3a-610e-45da-9e62-d9d1e5e8914b/roleName/T...

Microsoft Azure Search resources, services, and docs (G+)

Home > All roles > Teams Communications Administrator

Teams Communications Administrator | Assignments

All roles

« **+ Add assignments** X Remove assignments Download assignments Refresh Manage in PIM Got feedback?

Diagnose and solve problems

Manage

- Assignments
- Description

Activity

- Bulk operation results
- Troubleshooting + Support
- New support request

You can also assign built-in roles to groups now. [Learn More](#)

Search

Search by name

Type

All

Name	UserName	Type	Scope
No role assignments found			

On this page, don't bother scrolling through the user list looking for your new App-registration. It will not appear there until we search for it.

Add assignments

Try changing or adding filters if you don't see what you're looking for.

Only groups eligible for role assignment are displayed. [Learn more](#)

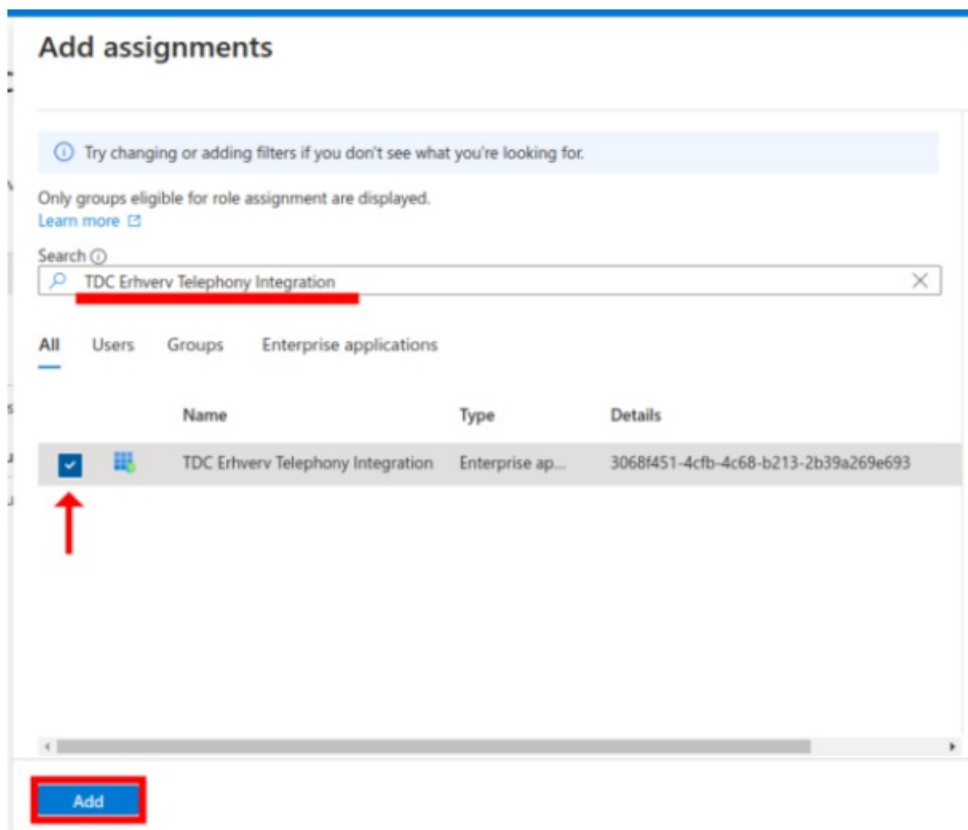
Search

All Users Groups

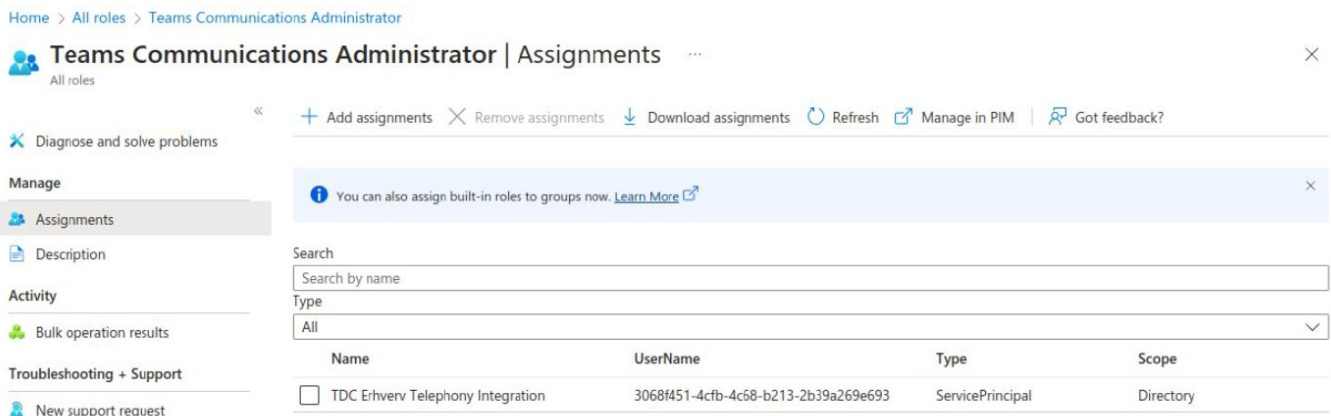
	Name	Type	Details
<input type="checkbox"/>	Aarav Suarez	User	asuarez@blue4.testontdc.net
<input type="checkbox"/>	Abigayle Collier	User	acollier@blue4.testontdc.net
<input type="checkbox"/>	Adelaide Carney	User	acarney@blue4.testontdc.net
<input type="checkbox"/>	Adolfo Owen	User	aowen@blue4.testontdc.net
<input type="checkbox"/>	Alvaro Snow	User	asnow@blue4.testontdc.net
<input type="checkbox"/>	Amiya Tyler	User	atylor@blue4.testontdc.net
<input type="checkbox"/>	Angelica Lane	User	alane@blue4.testontdc.net

Add

Remember the name we gave the new registration above and type this into the search field. Now click the check box to mark the registration and click Add.



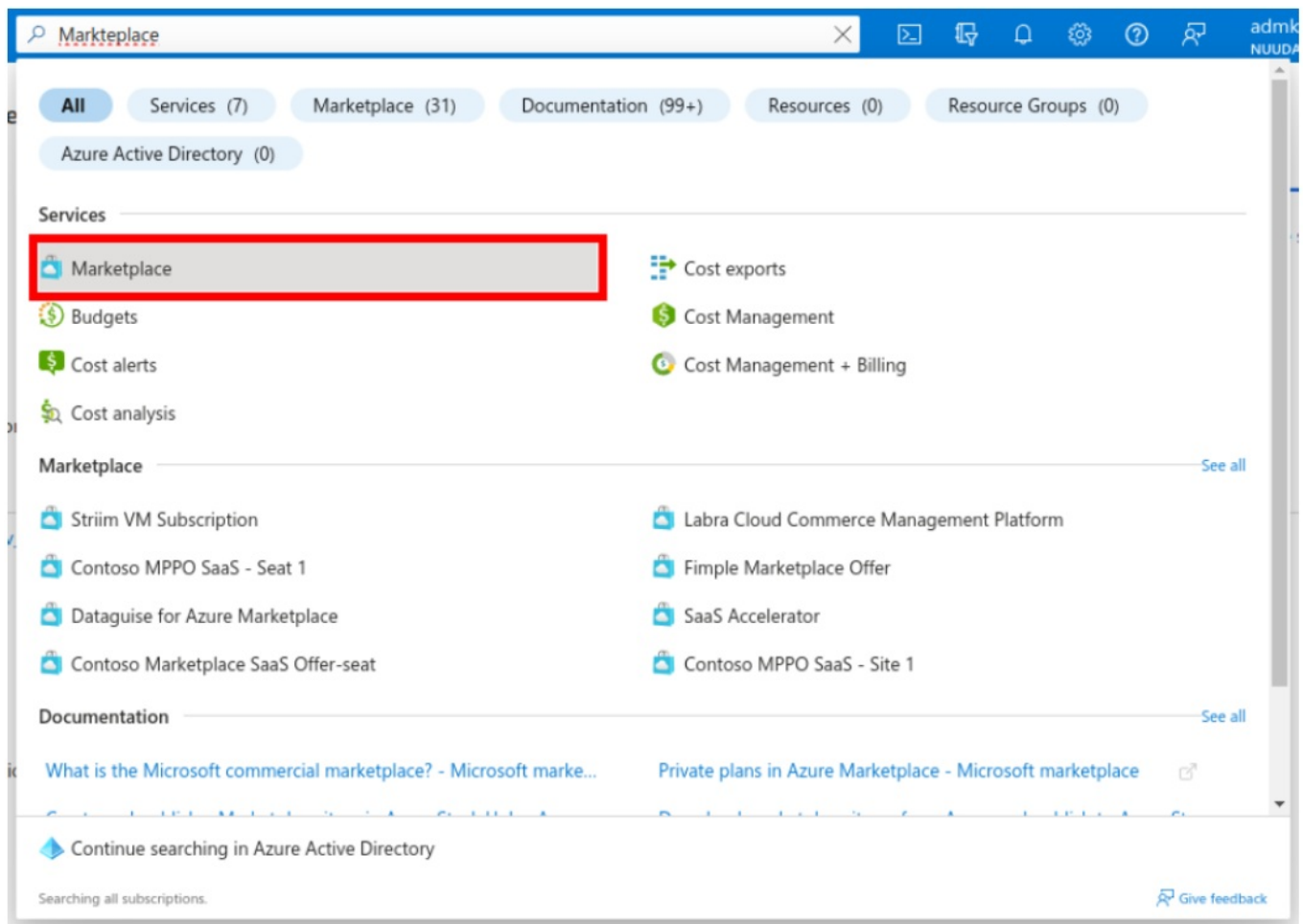
The App registration will now appear on the list of entities that have the role Teams Communications Administrator. Remember that this is a highly privileged administrator role. Do not give the App registration secret value to anyone, not even TDC Erhverv.



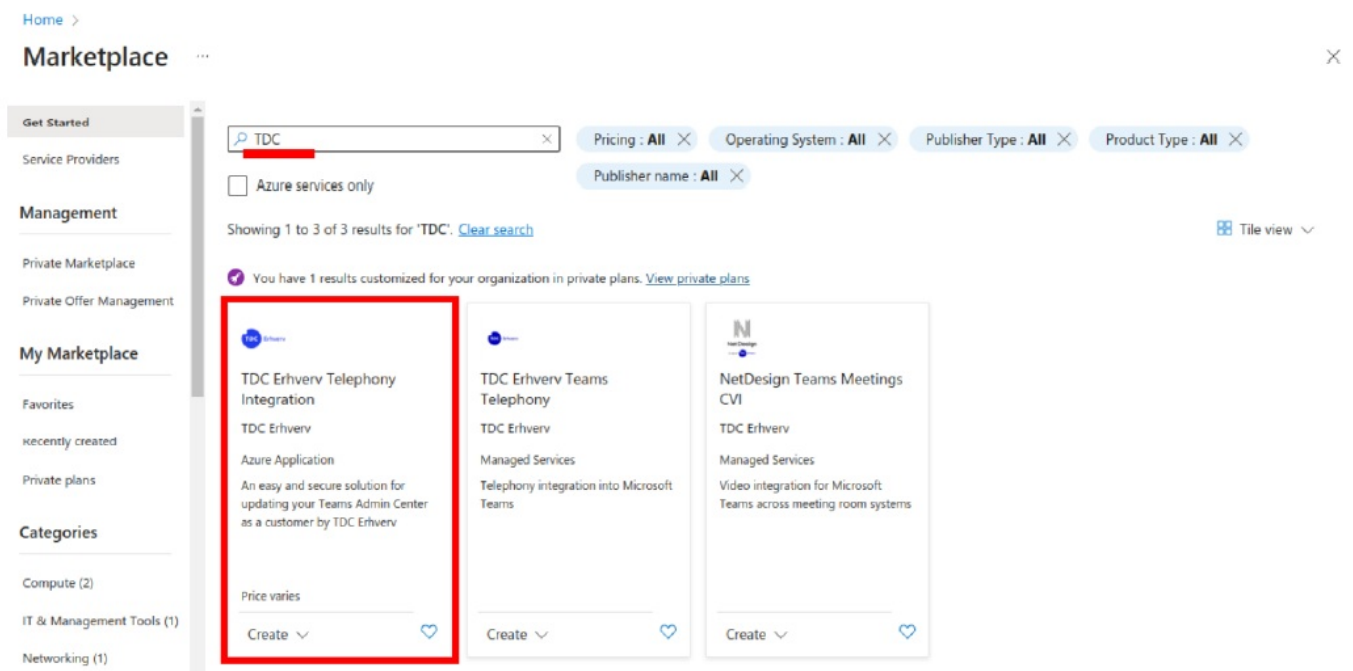
Installing the Intergration App

If you have followed the sections above, you should now have five pieces of information ready.

- Subscription name: Bluetest4 Azure Plan
- Tenant ID: 52d54f0b-90ea-450b-be8b-acd3d8c7a201
- Name of new empty Resource group: TDC_Erhervv_Telephony_Integration
- App-registration Application (client) ID: 3068f451-4cfb-4c68-b213-2b39a269e693
- App-registration Application secret value: xDn8Q~GpsHX9BnvlGJrhy~s9uuUxY8T1A~iMla8I Now search for Marketplace and click the link to go to that section.



Search for TDC, and find the App called TDC Erhverv Telephony Integration (don't pick "TDC Erhverv Teams Telephony" by mistake). The search result should look like this.



Click on TDC Erhverv Telephony Integration and select the latest version in the drop down. Now click Create.

TDC Erhverv Telephony Integration

TDC Erhverv



TDC Erhverv Telephony Integration

[Add to Favorites](#)

TDC Erhverv | Azure Application

Plan

Release 2023-09-01 v1.0.0

Create

Release 2023-09-01 v1.0.0

[Overview](#)[Plans](#)[Usage Information + Support](#)[Ratings + Reviews](#)

TDC Erhverv Telephony Integration helps you as a customer at TDC Erhverv to ensure an easy and secure solution for updating your Microsoft application such as Teams Admin Center with changes made in TDC Erhverv Self-Service on your Telephony solution.

To be able to use the app, you must be a customer of TDC Erhverv and subscribe to Teams Calling as an add-on to your telephony solution. With TDC Erhverv Teams Calling, you ensure easy access to make and receive external calls in Teams for your employees.

With TDC Erhverv Telephony Integration, you can safely and securely update the company's user setup in Teams Admin Center so that it matches your subscription with TDC Erhverv.

Fill out the fields with the information we prepared above. Be sure to select North Europe as the region since this is close to the TDC Erhverv servers.

Click Review + create.

Create TDC Erhverv Telephony Integration

[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 *

Bluetest4 Azure Plan

Resource group *

TDC_Erhverv_Telephony_Integration

[Create new](#)

Instance details

Region *

North Europe

Tenant ID *

52d54f0b-90ea-450b-be8b-acd3d8c7a201

Application ID *

3068f451-4cfb-4c68-b213-2b39a269e693

Client secret *

.....

Confirm client secret *

.....

[Previous](#)[Next](#)[Review + create](#)

Then click Create.

Create TDC Erhverv Telephony Integration ...

Basics Review + create

 [View automation template](#)

Price

TDC Erhverv Telephony Integration

by TDC Erhverv

[Terms of use](#) | [Privacy policy](#)

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; and (b) 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 the [Azure Marketplace Terms](#) for additional details.

Name

Preferred e-mail address




Preferred phone number

Previous






Next





Create

The installation will take a few minutes.


 **nuudayas1682937330801.tdc-erhverv-telephony-integ-20230911154655** | Overview  

Deployment





Search <<  Delete  Cancel  Redeploy  Download  Refresh


 Overview  Inputs  Outputs  Template


Deployment is in progress

 Deployment name : nuudayas1682937330801.tdc-... Start time : 9/11/2023, 3:55:40 PM
Subscription : [Bluetest4 Azure Plan](#) Correlation ID : 59e77bd6-be4d-43f8-b0d1-82...
Resource group : [TDC_Erhverv_Telephony_Integr...](#)

Deployment details

Resource	Type	Status	Operatic
 fnsstor5sutozr67...	 Storage account	Accepted	Operatic
 pid-df79caa1-f747-	 Deployment	Created	Operatic

Give feedback
 [Tell us about your experience with deployment](#)



Microsoft Defender for Cloud

Secure your apps and infrastructure
[Go to Microsoft Defender for Cloud >](#)

Free Microsoft tutorials
[Start learning today >](#)

Work with an expert
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.
[Find an Azure expert >](#)

When you see this, you know the installation has completed.

The screenshot shows the Azure portal interface. On the left, a sidebar contains links for 'Overview', 'Inputs', 'Outputs', and 'Template'. The main area displays a deployment summary for 'nuudayas1682937330801.tdc-erhverv-telephony-integ-20230911'. A green checkmark indicates 'Your deployment is complete'. Below this, details for the deployment name, subscription ('Bluetest4 Azure Plan'), and resource group ('TDC_Erhverv_Telephony_Integr...') are shown. A 'Go to resource group' button is present. On the right, a 'Notifications' panel shows a 'Deployment succeeded' message with a red arrow pointing to it. The notification text states: 'Deployment 'nuudayas1682937330801.tdc-erhverv-telephony-integ-20230911155738' to resource group 'TDC_Erhverv_Telephony_Integration' was successful.' It includes buttons for 'Pin to dashboard' and 'Go to resource group'.

Preparing the App's external API credentials

To have a closer look at the App we just installed, navigate to the resource group that contains it. Do this by searching for Resource groups and clicking the icon.

The screenshot shows the Azure portal search results for 'Resource groups'. The search bar at the top contains the text 'Resource groups'. Below the search bar, there are tabs for 'All', 'Services (28)', 'Marketplace (1)', 'Documentation (99+)', 'Resources (0)', and 'Resource Groups (0)'. The 'Services (28)' tab is selected, and a list of services is displayed. The 'Resource groups' service is highlighted with a red box. Other services listed include 'Subscriptions', 'Resource Guards', 'Resource Graph Explorer', 'Resource Graph queries', 'Groups', 'Application groups', and 'Configuration Groups'. Below the services list, there is a 'Marketplace' section with a 'Resource group' item. At the bottom, there is a 'Documentation' section with several links related to managing resource groups. A 'Continue searching in Azure Active Directory' button is also visible.

Now click on the name (not the check box) of the resource group we selected while installing the App.

Home >

Resource groups

Nuuday Blue Teams test 4 - Teams for Broadworks (blue4.testontdc.net)

+ Create Manage view Refresh Export to CSV Open query Assign tags

Filter for any field... Subscription equals all Location equals all Add filter

Showing 1 to 2 of 2 records. No grouping List view

Name	Subscription	Location
cloud-shell-storage-west europe	Bluetest4 Azure Plan	West Europe
TDC_Erhverv_Telephony_Integration	Bluetest4 Azure Plan	North Europe

You will find the App-offer we installed from Marketplace has created seven resources in the resource group. The resource marked Function App is the App itself, the rest are cloud infrastructure that the App need to function. Click the Function App resource with the lightning bolt icon to take a closer look at the internal logic of the App (click the name, not the check box).

Home > Resource groups >

TDC_Erhverv_Telephony_Integration

Resource group

Search Create Manage view Delete resource group Refresh Export to CSV Open query Assign tags Move

Overview Activity log Access control (IAM) Tags Resource visualizer Events Settings Deployments Security Deployment stacks Policies Properties Locks Cost Management Cost analysis

Essentials JSON View

Resources Recommendations

Filter for any field... Type equals all Location equals all Add filter

Showing 1 to 7 of 7 records. Show hidden types No grouping List view

Name	Type	Location
Application Insights Smart Detection	Action group	Global
Failure Anomalies - NuudayToB-5sutozr67fiik	Smart detector alert rule	Global
fnstor5sutozr67fiik	Storage account	North Europe
kv5sutozr67fiik	Key vault	North Europe
NuudayToB-5sutozr67fiik	Application Insights	North Europe
NuudayToB-5sutozr67fiik	Function App	North Europe
ServicePlanFunctionApp	App Service plan	North Europe

< Previous Page 1 of 1 Next > Give feedback

From the Overview section copy the URL and save it, we will need this later. In this example the URL is <https://nuudaytob-5sutozr67fiik.azurewebsites.net> but every time you install a copy of the App a new globally unique public URL will be created. Next click the App keys menu point on the left-hand side.

Home > Resource groups > TDC_Erhverv_Telephony_Integration >

NuudayToB-5sutozr67fiik

Function App

Search Browse Refresh Stop Restart Swap Get publish profile Reset publish profile Download app content Delete

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Microsoft Defender for Cloud Events (preview) Functions App keys App files Proxies

Essentials JSON View

Resource group (move) : TDC_Erhverv_Telephony_Integration URL : <https://nuudaytob-5sutozr67fiik.azurewebsites.net>

Status : Running Operating System : Windows

Location (move) : North Europe App Service Plan : ServicePlanFunctionApp (Y1:0)

Subscription (move) : Bluetest4 Azure Plan Properties : See More

Subscription ID : 57ad7af8-0488-472a-84e9-d5af09f8793c Runtime version : ---

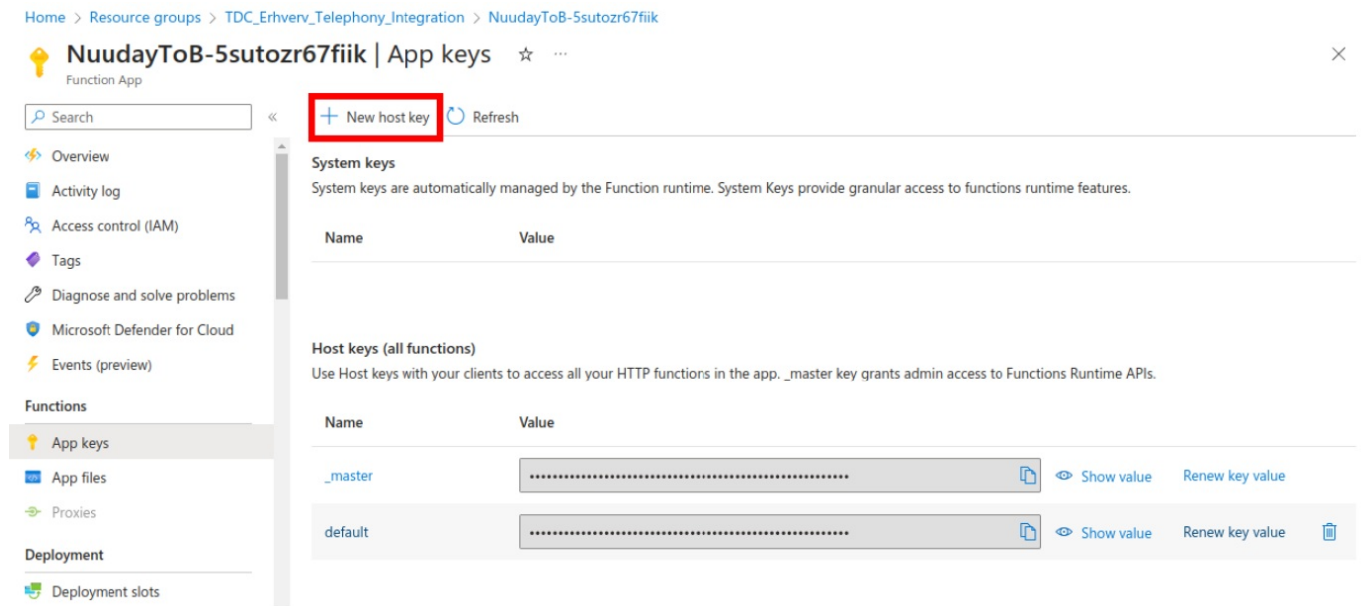
Tags (edit) : displayName: BicepDisplayname

Functions Metrics Properties Notifications (0)

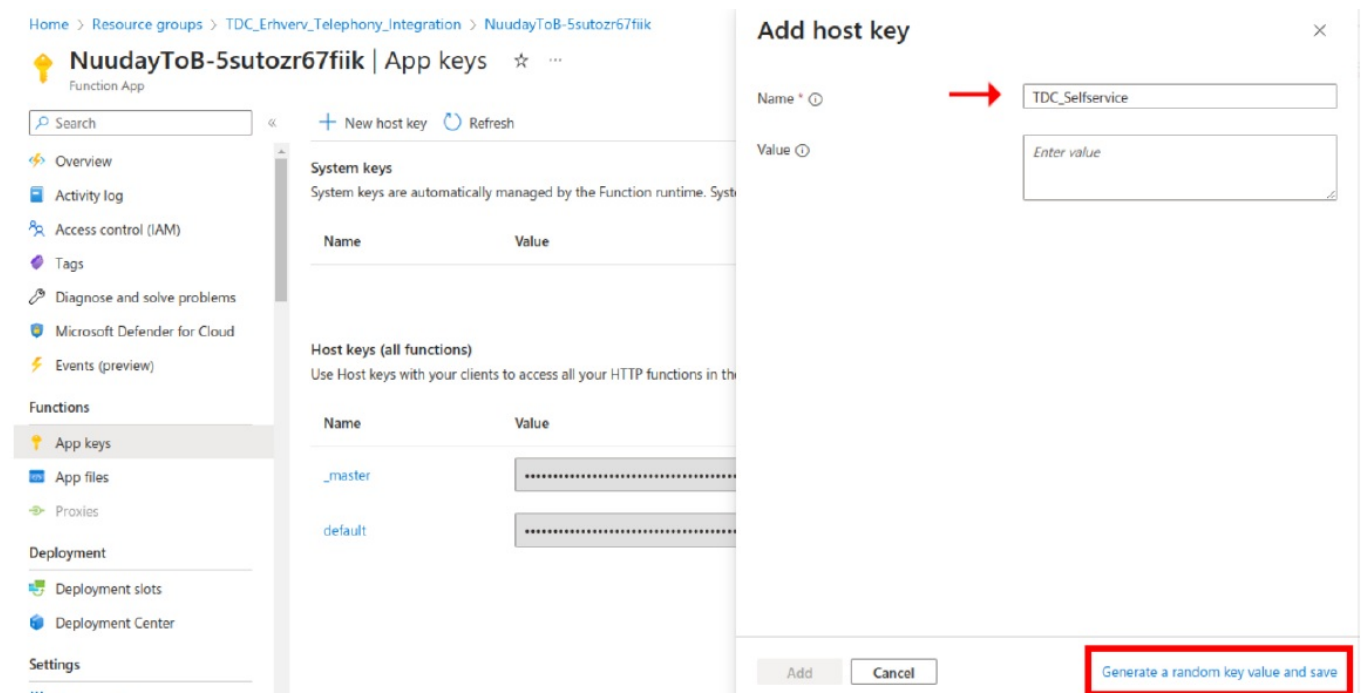
+ Create Set up local environment Refresh

Filter by name...

You will find that the installation process has created two keys "_master" and "default". You should keep these private and create a dedicated App key for integrating with the TDC Erhverv Selfservice portal. Click the plus-icon named New host key at the top to create a new key.



You can name the key anything you like; in this example we will call it "TDC_Selfservice". Leave the value blank to have Azure auto-generate a strong key for you, then click the link in the bottom right-hand corner called Generate a random key value and save.



You now have a new app key. Make a note of it, we will need it later. You can always come back here and copy the value again if you lose it. This key will never expire, but if at any point you would like to cut off TDC Erhverv's access to your App, then come back here and delete the key. In our example the key is 3Br2w2pK1l6qflrLnMvZl-sMQk2Fj58amQx1Ng-nogoAzFuTsZg4g==

NuudayToB-5sutozr67fiik | App keys

Function App

Search

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Microsoft Defender for Cloud
Events (preview)

Functions

App keys
App files
Proxies

Deployment

Deployment slots
Deployment Center

Settings

+ New host key Refresh

System keys
System keys are automatically managed by the Function runtime. System Keys provide granular access to functions runtime features.

Name	Value
._master
default
<u>TDC_Selfservice</u>

Host keys (all functions)
Use Host keys with your clients to access all your HTTP functions in the app. _master key grants admin access to Functions Runtime APIs.

Show value Renew key value

Show value Renew key value

Show value Renew key value

You should now have:

- App URL: <https://nuudaytob-5sutozr67fiik.azurewebsites.net>
- App key: 3Br2w2pK1I6qflrILnMvZI-sMQk2Fj58amQx1Ng-nogoAzFuTsZg4g==

You can now proceed to integrate the App with the TDC Erhverv Self service portal, but you may want to go through the next optional step first.

(Optional) App Security Review

Before handing over the App key to TDC Erhverv you may be required to have your local security team review function inside the App. Fortunately all logic inside the App is fully visible and is managed and controlled by you. If you ever re-install a newer updated version of the App you may want to perform this review again since the content may have changed. First navigate back to the Function App Overview section. At the bottom in the middle are listed all the internal functions that make up this App. Currently there is only one. We call it "psweb" (aka. Powershell Webservice). Click on it to inspect it.

NuudayToB-5sutozr67fiik

Function App

Search

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Microsoft Defender for Cloud
Events (preview)

Functions

App keys
App files
Proxies

Deployment

Deployment slots
Deployment Center

Browse Refresh Stop Restart Swap Get publish profile Reset publish profile Download app content Delete

JSON View

Essentials

Resource group (move) : TDC_Erherv_Telephony_Integration
Status : Running
Location (move) : North Europe
Subscription (move) : Bluetest4 Azure Plan
Subscription ID : 57ad7af8-0488-472a-84e9-d5af09f8793c
Tags (edit) : displayName : BicepDisplayname

URL : <https://nuudaytob-5sutozr67fiik.azurewebsites.net>
Operating System : Windows
App Service Plan : ServicePlanFunctionApp (Y1:0)
Properties : See More
Runtime version : 4.25.2.21138

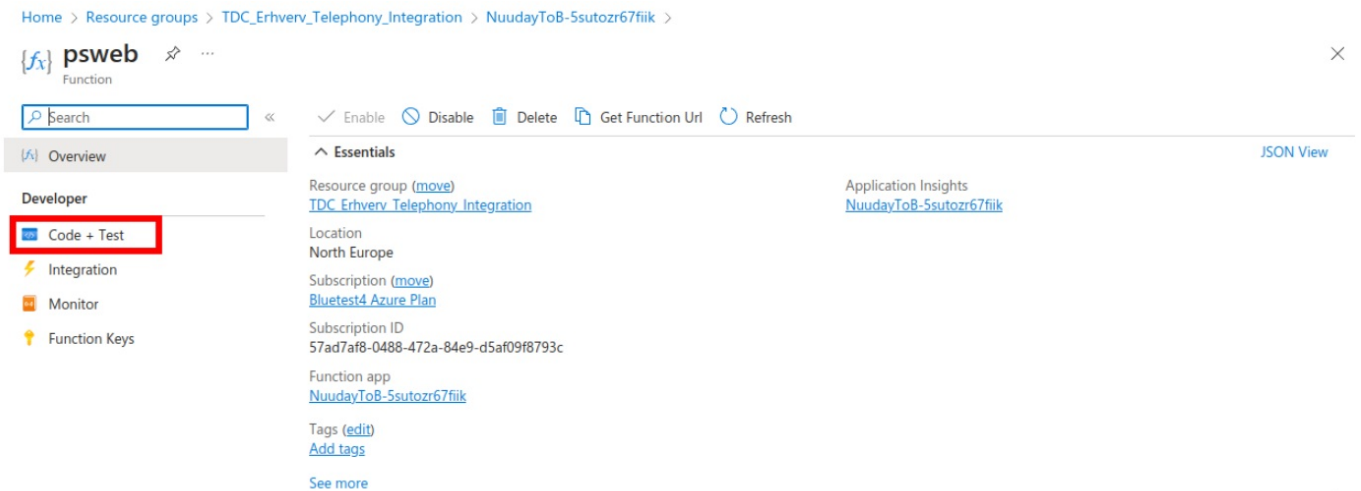
Functions Metrics Properties Notifications (0)

+ Create {} Set up local environment Refresh

Filter by name...

Name	Trigger	Status	Monitor
<u>psweb</u>	HTTP	Enabled	Invocations and more

From here navigate to the section Code + test.



Home > Resource groups > TDC_Erherv_Telephony_Integration > NuudayToB-5sutozr67fiik > psweb

psweb Function

Search

Enable Disable Delete Get Function Url Refresh

Overview

Developer

Code + Test

Integration

Monitor

Function Keys

Essentials

Resource group (move) TDC Erhverv Telephony Integration

Location North Europe

Subscription (move) Bluetest4 Azure Plan

Subscription ID 57ad7af8-0488-472a-84e9-d5af09f8793c

Function app NuudayToB-5sutozr67fiik

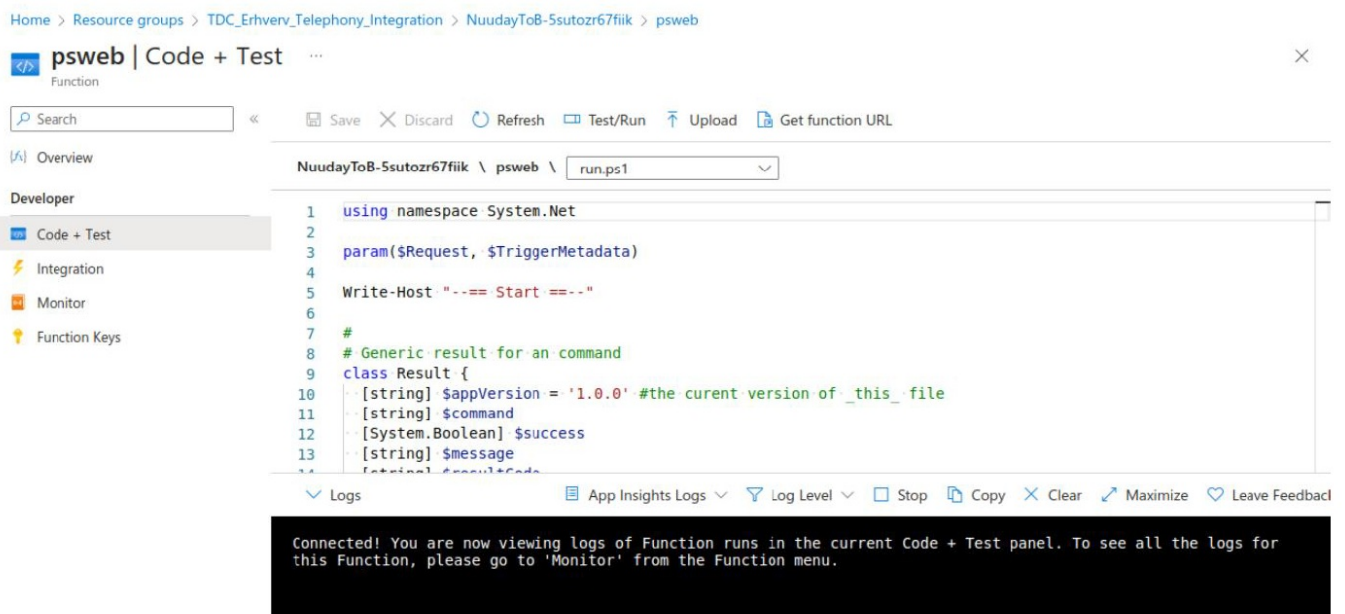
Tags (edit) Add tags

See more

Application Insights NuudayToB-5sutozr67fiik

JSON View

This is the internal Powershell "payload" that is run whenever the API of the surrounding App is called by TDC Erhverv. This code cannot be changed by the external caller. Make a copy and pass it on to your security review team if your company governance practices require this.



Home > Resource groups > TDC_Erherv_Telephony_Integration > NuudayToB-5sutozr67fiik > psweb

psweb | Code + Test

Function

Search

Save Discard Refresh Test/Run Upload Get function URL

Overview

Developer

Code + Test

Integration

Monitor

Function Keys

NuudayToB-5sutozr67fiik \ psweb \ run.ps1

```
1 using namespace System.Net
2
3 param($Request, $TriggerMetadata)
4
5 Write-Host "=== Start ==="
6
7 #
8 # Generic result for an command
9 class Result {
10     [string] $appVersion = '1.0.0' #the curent version of _this_ file
11     [string] $command
12     [System.Boolean] $success
13     [string] $message
14     [string] $resultCode
15 }
```

Logs App Insights Logs Log Level Stop Copy Clear Maximize Leave Feedback

Connected! You are now viewing logs of Function runs in the current Code + Test panel. To see all the logs for this Function, please go to 'Monitor' from the Function menu.

You will find that the code can be triggered to perform four different operations depending on the JSON body of the incoming request.

Operation	JSON input	Description
App self-test	{ "function": "Test" }	Is the App installed and configured correctly.
App inspection	{ "function": "Dump" }	Check the presence of all App files and show their current MD5 sum. Only the sum is returned, never the file content.
Voice-enable a target Teams-user	{ "function": "Enable", "VKID": "<customer ID>", "Identity": "<target user ID>", "PhoneNumber": "+4588888888" }	Instruct the App enable Teams-calling and assign the given phone number on the target user.
Voice-disable a target Teams-user	{ "function": "Disable", "Identity": "<target user ID>", "PhoneNumber": "+4588888888" }	Remove Teams-calling on the target user.

These operations will be called by the Order Management system of the TDC Erhverv Selfservice system. We do not recommend you run the voice-enable/disable operations by yourself since they require synchronization with the TDC Erhverv telephony system, but at any point you can run the self-test and inspect operations to diagnose App health.

Please do not make any modifications to the Powershell code. Even once character out of place in this file will change its MD5 sum. If TDC Erhverv ever finds an app where the MD5 sum does not match what was delivered with that version of the Marketplace Offer, then support will not be available, and any unexpected side-effects of your local modifications will not be covered.

Example 1:

```
curl https://nuudaytob5sutozr67fiik.azurewebsites.net/api/psweb?code=3Br2w2pK1I6qfIrlLnMvZIsMQk2Fj58amQx1Ng nogoAzFuTsZg4g==
d '{"function": "Test"}'
H "Content Type: application/json" X GET
```

Expected response:

```
"appVersion": "
"command": "
"success":
"message":
"resultCode": "
```

Example 2:

```
curl https://nuudaytob5sutozr67fiik.azurewebsites.net/api/psweb?code=3Br2w2pK1l6qflrLnMvZIsMQk2Fj58amQx1Ng nogoAzFuTsZg4g==  
d '{"function": "Dump"}'  
H "Content Type: application/json" X GET
```

Expected respons:

```
{
  "runFileStatus": {
    "name": "run.ps1",
    "hash": "35DEB8F80790AE4FC592E978D7741A8C",
    "algorithm": "MD5",
    "path": "C:\\home\\site\\wwwroot\\psweb\\run.ps1",
    "lastWriteTime": "09/12/2023 12:02:10"
  },
  "hostFileStatus": {
    "name": "host.json",
    "hash": "87C6EC5070CAFFC64BFCA6EC866124D0",
    "algorithm": "MD5",
    "path": "C:\\home\\site\\wwwroot\\host.json",
    "lastWriteTime": "09/12/2023 12:02:09"
  },
  "profileFileStatus": {
    "name": "profile.ps1",
    "hash": "3232551F749A13C292B1471EBA30B0EF",
    "algorithm": "MD5",
    "path": "C:\\home\\site\\wwwroot\\profile.ps1",
    "lastWriteTime": "09/12/2023 12:02:10"
  },
  "requirementsFileStatus": {
    "name": "requirements.psd1",
    "hash": "7C9133B2BBF8F5E365C0C579C1CCB79C",
    "algorithm": "MD5",
    "path": "C:\\home\\site\\wwwroot\\requirements.psd1",
    "lastWriteTime": "09/12/2023 12:02:10"
  },
  "appVersion": "1.0.0",
  "command": "Dump",
  "success": true,
  "message": null,
  "resultCode": "0"
}
```





Azure app Integration
guide
TDC ERHVERV
ERHVERV AZURE APP

[TDC ERHVERV Azure App Integration](#) [pdf] User Guide

ERHVERV Azure App Integration, ERHVERV Azure App, Azure App, App Integration, Azure, App

References

-  [Microsoft Azure](#)
-  [Opsæt AD-integration](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.