

Quick Start Guide: How to Retrieve My Azure Account Information?

English v-1.0.1

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To deploy DeviceOn to your Azure subscription, a set of Azure account information is required. You will be prompted to enter required information on the WISE-PaaS/Marketplace when chose to Create Deployment. WISE-PaaS Marketplace will use the given information to create deployment to your Azure subscription.

If you already have DeviceOn installed in your Azure service and do not wish to install DeviceOn again, you can skip this document.





Method 1:

Create & Get Information on Azure Portal

Step 1. Create Your Application

- 1.1. Log into your <u>Azure Portal ></u>.
- 1.2. Select [Azure Active Directory]
- 1.3. Select [App registrations]
- 1.4. Add [New Registration]
- 1.5. Setup your Application Name then click [Register].
 - Enter your Application display name in **Name** filed.
 - Setup Supported account types by selecting account type to access this API.
 - Under **Redirect URI**, select Web for the type of application you want to create. Enter the URI where the access token is sent to. Note: You cannot create <u>Native application</u> credential nor use the type for an automated application.

Step 1.3 Select App registrations

- [Dashboard > Microsoft - App registre	Dashboard > Microsoft - App registrations						
	Microsoft - App registratio	ns				\$ >		
		«	+ New registration	n 🌐 Endpoints 🗙 Troubleshooting 📔 💙 Got feedback?				
	Boles and administrators	All applications Owned applications						
				me or Application ID to filter these results				
	Devices		DISPLAY NAME	APPLICATION (CLIENT) ID	CREATED ON	CERTIFICATES & SECRETS		
	App registrations							
ſ	App registrations (Legacy)							

Step 1.4 Add New registration

Dashboard > Microsoft - App registrations					
Microsoft - App registrations					
,O Search (Ctrl+/)	New registration	🕀 Endpoints			

Step 1.5 Setup Application name to Register

Dashboard > Microsoft - App registrations > Register an application
Register an application
▲ If you are building an application for external users that will be distributed by Microsoft, you must register as a first party application to meet all security, privacy, and compliance policies. Read our decision guide [2]
* Name
The user-facing display name for this application (this can be changed later).
example-app 🗸
Supported account types
Who can use this application or access this API?
Accounts in this organizational directory only (Microsoft)
Accounts in any organizational directory
O Accounts in any organizational directory and personal Microsoft accounts (e.g. Skype, Xbox, Outlook.com)
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 changed later, but a value is required for most authentication scenarios.
Web 🗸 https://contoso.org/exampleapp 🗸
Du procession unu accesto the Microsoft Distance Deliving 12
by proceeding, you agree to the Microsoft Mattorni Policies [2]
Register



DeviceOn Quick Start Guide for Azure Deployment

Step 2. Get Subscription ID

To access resources in your subscription, you must assign Application to a role. You can set the scope at the level of Subscription, Resource Group, or Resource; Permissions are inherited to lower levels of scope.

For more details, see RBAC: Built in Roles >

- 2.1.Select **All services** then select **Subscriptions** to setup the level of scope you wish to assign this application.
- 2.2. Find the **Subscription** you would like to assign to the Application created in the Step 1 and copy the **Subscription ID** for the Azure information requested on the Marketplace later.

! Troubleshoot: If you do not see the subscription you're looking for, select **global subscriptions** filter. Make sure the subscription you want is selected for the portal.

2.3.Select Access control (IAM) then Add role assignment

Would You Like To Deploy This App To Microsoft Azure? Please enter your Microsoft Azure information to initiate deployment (don't have Azure account yet? contact us to create one)					
Azure Subscription ID:	Subscription ID				
enter your subscription ID					
Application (client) ID: enter your service principal application ID					
Directory (tenant) ID: enter your tenant ID					
Client Secret: enter your service principal password					
Fig1. Marketpla	ce Fields				
Done. Skip Deployment Cr	eate Deployment				

Step 2.1 Select Subscriptions

Microsoft Azure			ho Search resources, services, and docs			
« + Create a resource	All services Filter	By category 🗸				
i∃ All services						
+ FAVORITES	Dashboard	*	All resources			
Dashboard	Management groups	*	• Subscriptions			
All resources	 Cost Management + Billing 	PREVIEW 📩	(Reservations			

Step 2.2 Copy Subscription ID

SUBSCRIPTION	Ťψ	SUBSCRIPTION ID	
Visual Studio Enterprise – MPN			

Step 2.3 Setup Access Control

Dashboard > Subscriptions > Internal testing subscription - Access control (IAM)								
Internal testing subscription - Access control (IAM)								
, Search (Ctrl+/)	«	🕂 Add	Edit colu	imns	🖒 Refre	esh		Ī
 Overview 	•	Add role a	assignment		nts	Deny a	assignm	ner
🔓 Access control (IAM)		Add co-a	dministrator		Add ro	le assign	ment	



- 2.4. Select the **Owner** role. By default, Azure AD applications aren't displayed in the available options. To find your application, search for the name.
- 2.5.Click **Save** to finish assigning the role. You see your application in the list of users assigned to a role for that scope.

Step 2.4 Add Role Assignment

Add role assignment	\times
Role 🚯	
Owner	\sim
Assign access to 🕦	
Azure AD user, group, or service principal	\sim
Select 🚯	
AdvantechAAD	~
AdvantechAAD	



Step 3. Get Application & Tenant ID

3.1. Select Azure Active Directory

- 3.2. From **App registrations** in Azure AD, select your application
- 3.3.Copy the **Directory (tenant) ID** for the Azure information requested on the Marketplace later.
- 3.4. Copy the **Application (client) ID** for the Azure information requested on the Marketplace later.



Step 3.2 Find Your Application

Da	Dashboard > Microsoft - App registrations						
M Azu	Microsoft - App registrations						
2							
Roles and administrators			All applications Owne	ed applications			
				oplication ID to filter these results			
	Devices		DISPLAY NAME	APPLICATION (CLIENT) ID	CREATED ON	CERTIFICATES & SECRETS	
- 8	App registrations		example-app		5/14/2019		
8	App registrations (Legacy)		_				

Step 3.3 Copy Directory ID (ref. Marketplace filed #C)

Dashboard > Microsoft - App registrations > example-app								
example-app								
«	🗴 Delete 🌐 Endpoints							
Overview	Display name							
📣 Quickstart	example-app							
Manage	Application (client) ID 36fa6513-66cd-4c90-a7b2-3fdbe89d1630 Copy to clipboard							
- Branding	Directory (tenant) ID 72f988bf-86f1-41af-91ab-2d7cd011db47 🖸							
Authentication	Object ID							
📍 Certificates & secrets	4a48ed60-a01c-466t-a3bb-29a530707347	*						

Step 3.4 Copy Application ID (ref: Marketplace field #B)

Dashboard > Microsoft - App registrations > example-app							
example-app							
«	🗴 Delete 🌐 Endpoints						
Overview	Dicnlay name						
📣 Quickstart	example-app Copy to clipboard						
Manage	Application (client) ID a8d0a934-4bf4-4a53-bfca-292751f2bd53						
5 Branding	Directory (tenant) ID						
Authentication	Object ID						
📍 Certificates & secrets							



Step 4. Add & Get Client Secret

4.1.Select [Certificates & secrets]

- 4.2. Select Client secrets then New client secret
- 4.3. Give new client secret description, setup expiration period. Then Click [Add]



Step 4.2 Set Client Secret for your Application

Dashboard > Microsoft - App registrations > example-app			
example-app			
«	菌 Delete 🌐 Endpoints		
🕔 Overview	Display name example-app		
🗳 Quickstart			
Manage	Application (client) ID a8d0a934-4bf4-4a53-bfca-292751f2bd53		
Branding	Directory (tenant) ID		
Authentication	Object ID		
📍 Certificates & secrets			

Step 4.3 Add Client Secret

Add a client	secret
Description	
demo secret	
Expires In 1 year In 2 years Never	
Add	Cancel

Step 3.4 Copy Client Secret (ref: Marketplace field #D)

Client secrets					
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			
demo secret	5/14/2020	nWu9HVZ7Rnj.2y7XSkVyUngZ][x9Z:e 🏠		Ō	





Method 2:

Create via Azure CLI (Command-line Tool)

Step 1. Install Azure CLI

For details, please view step by step guide >

- Step 2. Sign in Account
- 1. C:\>az login

Note: If the CLI can open your default browser, it will do so and load a sign-in page. Otherwise, you need to open a browser page and follow the instructions on the command line to enter an authorization code after navigating to https://aka.ms/devicelogin in your browser. Sign in with your account credentials in the browser.

Step 3. Get Subscription ID & Copy Output

2. C:\>az account show --query id

Step 4. Create service principal and get Application ID, Tenant ID and Client Secret

3. C:\>az ad sp create-for-rbac --name Servic
 ePrincipalName

Reference: <u>Create an Azure service principal with Azure</u> <u>CLI ></u>

DeviceOn Quick Start Guide for Azure Deployment

Would You Like To Deploy This App To Microsoft Azure? Please enter your Microsoft Azure information to initiate deployment (don't have Azure account yet? contact us to create one)		
Azure Subscription ID:	Subscription ID	
enter your subscription ID		
Application (client) ID:	App ID	
enter your service principal application ID		
Directory (tenant) ID:	Tenant ID	
enter your tenant ID		
Client Secret:	ollow to const	
enter your service principal password	Client Secret	
11		
Fig1. Marketplace Fields		
Done. Skip Deployment	eate Deployment	

Step 3 Get Subscription ID



Step 4 Get Application, Tenant IDs & Client Secret

:\>az ad sp create-for-rbacname AdvantechAD
etrying role assignment creation: 1/36
etrying role assignment creation: 2/36
Home Ide, Hilling a set of the set of the set of
"dignlavName": "údvantechúD"
"name". "http://AdvantechAD"
"password": "oroossi osoo loos uois suustavats".
"tenant": "