

# Security and Surveillance

Deployment Document

Version 1.0.0

# Contents

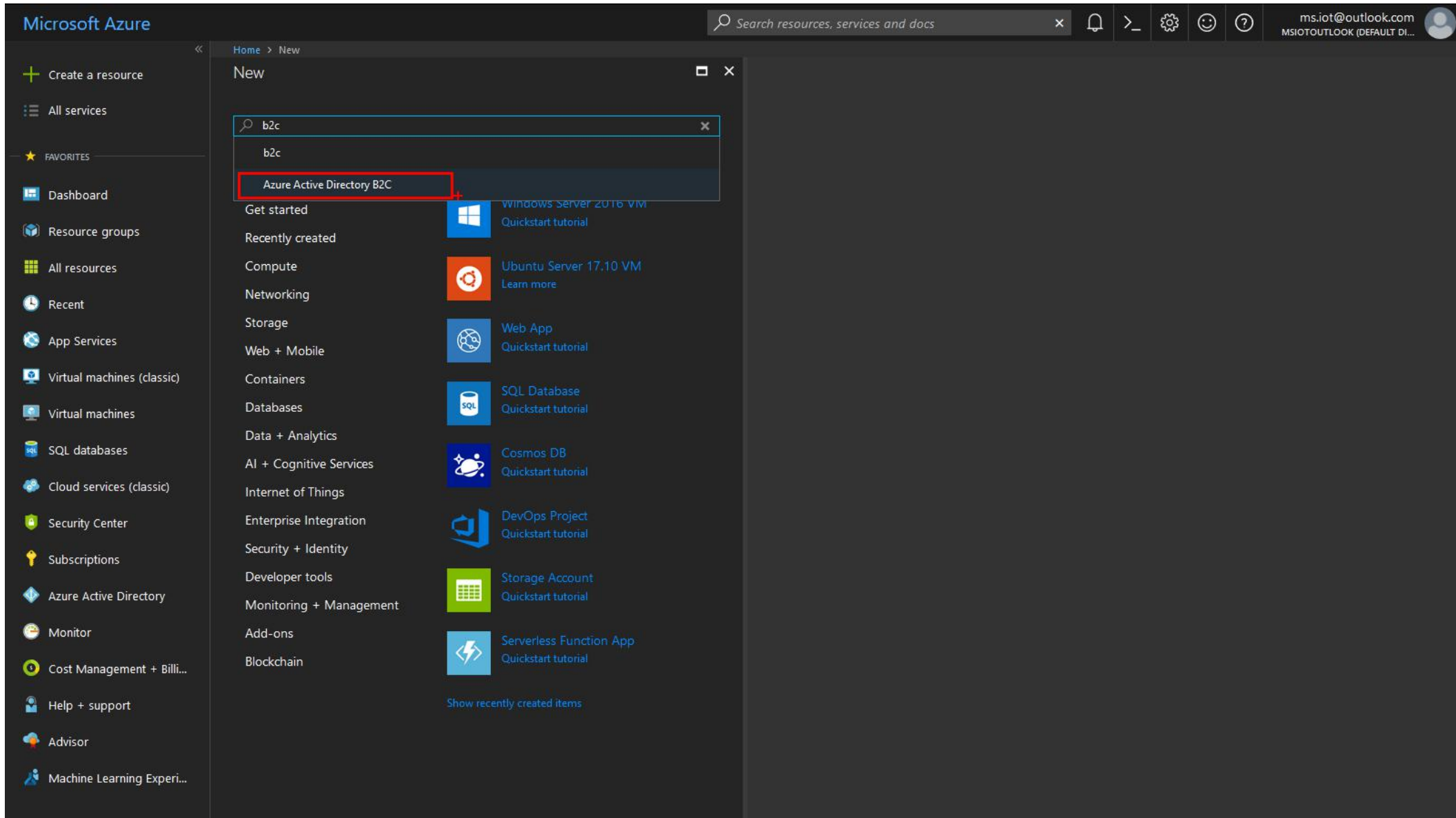
- Configuring Azure AD B2C
- Deploy Solution to Azure

# About this Document

- This document helps the user to get the Security and Surveillance solution working under user's Azure account.
- The document is briefly divided into two categories which are "Configuring Azure AD B2C" and "Deployment".
- The "Configuring Azure AD B2C" part helps you to create Azure AD B2C and make it ready to host Security and Surveillance solution. Please note that this step is mandatory before deployment as some of the details acquired in this step would be used during the actual deployment.
- The Deployment part, as the name suggests deals with the actual deployment of solution which happens with the help of Azure ARM templates.

# Configuring Azure AD B2C

# Login to Azure Portal - Creating AAD B2C



The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the 'Microsoft Azure' logo, a search bar with the text 'Search resources, services and docs', and user information for 'ms.ior@outlook.com'. The left sidebar contains a list of services and favorites, including 'Dashboard', 'Resource groups', 'All resources', 'Recent', 'App Services', 'Virtual machines (classic)', 'Virtual machines', 'SQL databases', 'Cloud services (classic)', 'Security Center', 'Subscriptions', 'Azure Active Directory', 'Monitor', 'Cost Management + Billi...', 'Help + support', 'Advisor', and 'Machine Learning Experi...'. The main content area is titled 'New' and displays a search bar with the text 'b2c'. Below the search bar, a list of services is shown, with 'Azure Active Directory B2C' highlighted in a red box. Other services listed include 'Windows Server 2016 VM', 'Ubuntu Server 17.10 VM', 'Web App', 'SQL Database', 'Cosmos DB', 'DevOps Project', 'Storage Account', and 'Serverless Function App'. Each service entry includes a brief description and a 'Quickstart tutorial' link.

The screenshot shows the Microsoft Azure portal interface. On the left is a dark sidebar with navigation links: 'Create a resource', 'All services', 'FAVORITES', 'Dashboard', 'Resource groups', 'All resources', 'Recent', 'App Services', 'Virtual machines (classic)', 'Virtual machines', 'SQL databases', 'Cloud services (classic)', 'Security Center', 'Subscriptions', 'Azure Active Directory', 'Monitor', 'Cost Management + Billi...', 'Help + support', 'Advisor', and 'Machine Learning Experi...'. The main content area is titled 'Azure Active Directory B2C' and includes a description, a list of features, and a 'Get started today' section. A red box highlights the 'Create' button at the bottom left of the page.

[https://twitter.com/intent/tweet?text=Just discovered Azure Active Directory B2C is available from Microsoft #Azure Marketplace. And it's available on AWS Marketplace too // aws.amazon.com/services/active-directory/?utm\\_source=mkt-AzureADB2C&utm\\_content=00cd4b1dd9524ea19bb0b3b841bea0f7&utm\\_campaign=social&utm\\_medium=T](https://twitter.com/intent/tweet?text=Just%20discovered%20Azure%20Active%20Directory%20B2C%20is%20available%20from%20Microsoft%20#Azure%20Marketplace.%20And%20it%20%27s%20available%20on%20AWS%20Marketplace%20too%20%2F%2F%20aws.amazon.com%2Fservices%2Factive-directory%2Futm_source=mkt-AzureADB2C&utm_content=00cd4b1dd9524ea19bb0b3b841bea0f7&utm_campaign=social&utm_medium=T)

Microsoft Azure

Search resources, services and docs

ms.iot@outlook.com  
MSIOTOUTLOOK (DEFAULT DI...

Home > New > Azure Active Directory B2C > Create new B2C Tenant or Link to existing Tenant

Create new B2C Tenant or Link to existing Tenant

Create a new Azure AD B2C Tenant ⓘ

Link an existing Azure AD B2C Tenant to my Azure subscription ⓘ

Left sidebar menu:

- Create a resource
- All services
- FAVORITES
- Dashboard
- Resource groups
- All resources
- Recent
- App Services
- Virtual machines (classic)
- Virtual machines
- SQL databases
- Cloud services (classic)
- Security Center
- Subscriptions
- Azure Active Directory
- Monitor
- Cost Management + Billi...
- Help + support
- Advisor
- Machine Learning Experi...

Microsoft Azure

Search resources, services and docs

ms.iot@outlook.com  
MSIOTOUTLOOK (DEFAULT DI...

Home > New > Azure Active Directory B2C > Create new B2C Tenant or Link to existing Tenant > Azure AD B2C Create Tenant

Create new B2C Tenant or Link to existing Tenant

Create a new Azure AD B2C Tenant

Link an existing Azure AD B2C Tenant to my Azure subscription

Azure AD B2C Create Tenant

\* Organization name ⓘ  
Mobiliya ✓

\* Initial domain name ⓘ  
snsdemodeploy ✓  
snsdemodeplo.onmicrosoft.com

Country or region ⓘ  
United States ▼

Directory creation will take about one minute.

Create



Microsoft Azure

+

 Create a resource

☰

 All services

★

 FAVORITES

🏠

 Dashboard

📁

 Resource groups

📊

 All resources

🕒

 Recent

🌐

 App Services

🖥️

 Virtual machines (classic)

🖥️

 Virtual machines

🗄️

 SQL databases

☁️

 Cloud services (classic)

🛡️

 Security Center

🔑

 Subscriptions

🔗

 Azure Active Directory

📊

 Monitor

💰

 Cost Management + Billi...

👤

 Help + support

🔧

 Advisor

🧠

 Machine Learning Experi...

Dashboard

+

 New dashboard

⬆

 Upload dashboard

⬇

 Download dashboard

✎

 Edit dashboard

🔗

 Share

⬆

 Full screen

📄

 Clone

All resources

ALL SUBSCRIPTIONS

🔄 Refresh

🌐 assetchkbkwebapp

📁 arm

🌐 sns-mongo

🌐 atsnxv3restapp

🌐 atsnxv3webapp

🌐 atsnxv3mobilegw

🌐 SnSServerBackend

🔗 DaveyloTHub

See more...

Service Health

💓

Personalized guidance and support when issues in Azure services affect you. [Learn more](#)

Marketplace

🛍️

AssetEventHub

EVENTHUB

Active

📊

DaveyImageAnalysis

COGNITIVE SERVICES

Active

🌐

SnSVM

Running

🖥️

Resources

SNS

🔄 Refresh

🌐 sns-mongo

🌐 SnSServerBackend

🌐 SnSWebapp

🌐 snscloudcomputeengine

🌐 SnSWebAppDev

🌐 SnSSettingsCheck

📁 SnAppServPlan

🌐 snsdevcloudcompute...

See more...

🔍 Search resources, services and docs

🔔

⌵

⚙️

😊

❓

ms.iam@outlook.com

MSIOTOUTLOOK (DEFAULT DI...

👤

Notifications

Dismiss

Informational

Completed

All

✅ Create directory

3:39 PM

Successfully created directory Mobiliya.

+

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9

Microsoft Azure

Search resources, services and docs

ms.iot@outlook.com  
MSIOTOUTLOOK (DEFAULT DI...)

Home > New > Azure Active Directory B2C > Create new B2C Tenant or Link to existing Tenant

Create new B2C Tenant or Link to existing Tenant

Create a new Azure AD B2C Tenant ⓘ

Link an existing Azure AD B2C Tenant to my Azure subscription ⓘ

+

Microsoft Azure

Search resources, services and docs

ms.iot@outlook.com  
MSIOTOUTLOOK (DEFAULT DI...

Home > New > Azure Active Directory B2C > Create new B2C Tenant or Link to existing Tenant > Azure AD B2C Resource

Create new B2C Tenant or Link to existing Tenant

Create a new Azure AD B2C Tenant ⓘ

Link an existing Azure AD B2C Tenant to my Azure subscription ⓘ

Azure AD B2C Resource

\* Azure AD B2C Tenant ⓘ  
snsdemodeploy.onmicrosoft.com

Azure AD B2C Resource name  
snsdemodeploy.onmicrosoft.com

\* Subscription  
Pay-As-You-Go

\* Resource group  
☒ Create new ☐ Use existing  
snsdemodeploy ✓

Resource group location  
East US

☐ Pin to dashboard

Create

Microsoft Azure

+

 Create a resource

☰

 All services

★

 FAVORITES

Dashboard

Resource groups

All resources

Recent

App Services

Virtual machines (classic)

Virtual machines

SQL databases

Cloud services (classic)

Security Center

Subscriptions

Azure Active Directory

Monitor

Cost Management + Billi...

Help + support

Advisor

Machine Learning Experi...

Dashboard

+ New dashboard

⬆ Upload dashboard

⬇ Download dashboard

✎ Edit dashboard

🔗 Share

⬆ Full screen

📄 Clone

All resources

ALL SUBSCRIPTIONS

Refresh

SnSServerDevBackend

SnSServerBackend

atsnxv3restapp

assetchkbkrestapp

sqlserveredldfkdkbgqya

assetchkbkdocdbgd3f...

assetchkbkwebapp

arm

See more...

Service Health

Personalized guidance and support when issues in Azure services affect you. [Learn more](#)

Marketplace

Active

DaveyImageAnalysis

COGNITIVE SERVICES

Active

SnSVM

Running

Resources

SNS

Refresh

SnSServerBackend

sns-mongo

SnSWebapp

snscloudcomputeengine

SnSWebAppDev

SnSSettingsCheck

SnAppServPlan

snsdevcloudcompute...

See more...

Search resources, services and docs

🔔

>

⚙

😊

?

ms.iot@outlook.com

MSIOTOUTLOOK (DEFAULT DI...

👤

Notifications

Dismiss: Informational Completed All

✓

Deployment succeeded

3:42 PM

Deployment 'Microsoft.AzureActiveDirectory' to resource group 'snsdemodeploy' was successful.

Go to resource

Pin to dashboard

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12

Microsoft Azure

+

 Create a resource

☰

 All services

★

 FAVORITES

🏠

 Dashboard

📁

 Resource groups

📊

 All resources

🕒

 Recent

🌐

 App Services

🖥️

 Virtual machines (classic)

🖥️

 Virtual machines

🗄️

 SQL databases

☁️

 Cloud services (classic)

🛡️

 Security Center

🔑

 Subscriptions

👤

 Azure Active Directory

📊

 Monitor

💰

 Cost Management + Billi...

🆘

 Help + support

🔧

 Advisor

🧠

 Machine Learning Experi...

Dashboard

+ New dashboard

⬆ Upload dashboard

⬇ Download dashboard

✎ Edit dashboard

🔄 Share

⌕ Full screen

📄 Clone

🗑 Delete

All resources

ALL SUBSCRIPTIONS

🔄 Refresh

🌐 SnSServerDevBackend

🌐 SnSServerBackend

🌐 atsnxv3restapp

🌐 assetchkbkrestapp

🗄️ sqlserveredldfkdkbgqya

🚀 assetchkbkdocdbgd3f...

🌐 assetchkbkwebapp

📁 arm

See more...

Service Health

💓

Personalized guidance and support when issues in Azure services affect you. [Learn more](#)

🛍 Marketplace

Active

DaveyImageAnalysis

COGNITIVE SERVICES

Active

SnSVM

Running

Resources

SNS

🔄 Refresh

🌐 SnSServerBackend

🚀 sns-mongo

🌐 SnSWebapp

🌐 snscloudcomputeengine

🌐 SnSWWebAppDev

🌐 SnSSettingsCheck

📁 SnAppServPlan

🌐 snsdevcloudcompute...

See more...

Resources

ATSNXNEW

🔄 Refresh

🌐 atsnxv2restapp

🗄️ atdb

🚀 atsnxv2docdbgd3f7mnjwpuyu

🌐 atsnxv2mobilegw

🌐 atsnxlogincheck

🌐 atsnxv2webapp

📁 5qtqq6fuxzvsvatvm

🔧 AppInsights5qtqq6fuxzvsv

See more...

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MSIOTOUTLOOK (DEFAULT DI...

Sign out

AmarTest

amartest123.onmicrosoft.com

AssetMonitoring

AssetMonitoringB2C.onmicr...

FirstAD

FirstActiveDir.onmicrosoft.co...

Franklin Energy Services, LLC.

franklinenergy.onmicrosoft.c...

Mobiliya

SnSB2C.onmicrosoft.com

Mobiliya

snsdemodeploy.onmicrosoft...

snsdemodeploy.onmicrosoft.com

TryADir.onmicrosoft.com

mobiliya

mobiliyaiot.onmicrosoft.com

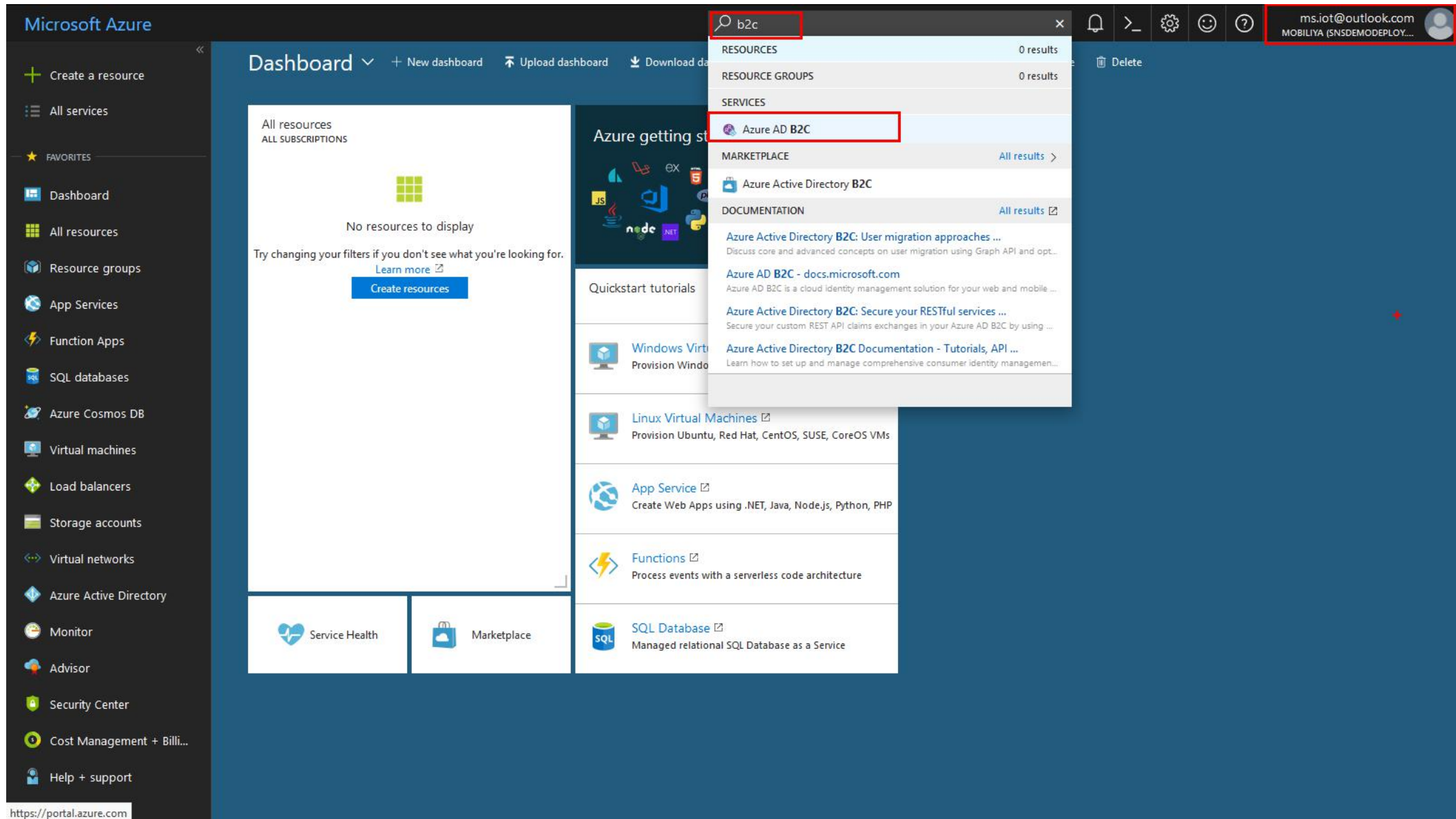
https://portal.azure.com

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13





The screenshot shows the Microsoft Azure portal interface. On the left is a dark sidebar with navigation options like 'Create a resource', 'All services', and 'FAVORITES'. The main area is titled 'Dashboard' and shows 'All resources' with a message 'No resources to display'. A search bar at the top right contains the text 'b2c'. A dropdown menu is open below the search bar, showing results categorized by 'RESOURCES', 'RESOURCE GROUPS', 'SERVICES', 'MARKETPLACE', and 'DOCUMENTATION'. Under the 'SERVICES' category, 'Azure AD B2C' is highlighted with a red box. The user's profile in the top right corner is 'ms.iod@outlook.com' with the role 'MOBILIYA (SNSDEMODEPLOY...)'. The URL 'https://portal.azure.com' is visible at the bottom left.

Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C

Azure AD B2C

snsdemodeploy.onmicrosoft.com

Search (Ctrl+)

Overview

MANAGE

Applications

Identity providers

User attributes

Users

POLICIES

Sign-up or sign-in policies

Profile editing policies

Password reset policies

Sign-up policies

Sign-in policies

All policies

Troubleshoot

Domain name

snsdemodeploy.onmicrosoft.com

Metered

Yes

Subscription ID

22b4e5a3-9229-45e2-a9f6-8bbc0a6ebdd3

Tenant type

Production-scale tenant

Subscription status

Registered

Resource name

snsdemodeploy.onmicrosoft.com

Welcome to Azure AD B2C.

Quick Start

Identity Experience Framework - PREVIEW

Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Sign-up or sign-in policies

Azure AD B2C - Sign-up or sign-in policies

snsdemodeployonmicrosoft.com

Search (Ctrl+)

+ Add

Upload Policy

Overview

MANAGE

Applications

Identity providers

User attributes

Users

POLICIES

Sign-up or sign-in policies

Profile editing policies

Password reset policies

Sign-up policies

Sign-in policies

All policies

Search

No policies found



Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home

Azure AD B2C - Sign-up or sign-in policies

Add policy

Select identity providers

Add policy

New sign-up or sign-in policy

Name

signUp-In

Identity providers

0 Selected

Sign-up attributes

0 Selected

Application claims

0 Selected

Multifactor authentication

Off

Page UI customization

Default

NAME

IDENTITY PROVIDER

Email signup

Local Account

Create

OK

Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Sign-up or sign-in policies > Add policy > Select sign-up attributes

Add policy

New sign-up or sign-in policy

Name

signUp-In

Identity providers

1 Selected

Sign-up attributes

0 Selected

Application claims

0 Selected

Multifactor authentication

Off

Page UI customization

Default

Create

Select sign-up attributes

<input checked="" type="checkbox"/>	NAME	DATA TYPE	DESCRIPTION	ATTRIBUTE TYPE
<input checked="" type="checkbox"/>	City	String	City	Built-in
<input checked="" type="checkbox"/>	Country/Region	String	Country/Region	Built-in
<input checked="" type="checkbox"/>	Display Name	String	Display Name	Built-in
<input checked="" type="checkbox"/>	Email Address	String	Email Address	Built-in
<input checked="" type="checkbox"/>	Given Name	String	Given Name	Built-in
<input checked="" type="checkbox"/>	Job Title	String	Job Title	Built-in
<input checked="" type="checkbox"/>	Postal Code	String	Postal Code	Built-in
<input checked="" type="checkbox"/>	State/Province	String	State/Province	Built-in
<input checked="" type="checkbox"/>	Street Address	String	Street Address	Built-in
<input checked="" type="checkbox"/>	Surname	String	Surname	Built-in

OK

Microsoft Azure

Home > Azure AD B2C - Sign-up or sign-in policies > Add policy > Select application claims

Add policy  
New sign-up or sign-in policy

\* Name ⓘ  
signUp-In ✓

\* Identity providers ⓘ  
1 Selected

Sign-up attributes ⓘ  
10 Selected

Application claims ⓘ  
0 Selected

Multifactor authentication ⓘ  
Off

Page UI customization ⓘ  
Default

Create

Select application claims

<input checked="" type="checkbox"/>	NAME	CLAIM TYPE	DATA TYPE	DESCRIPTION	ATTRIBUTE TYPE
<input checked="" type="checkbox"/>	City	city	String	The city in which the user is located.	Built-in
<input checked="" type="checkbox"/>	Country/Region	country	String	The country/region in which the user is located.	Built-in
<input checked="" type="checkbox"/>	Display Name	displayName	String	Display Name of the User	Built-in
<input checked="" type="checkbox"/>	Email Addresses	emails	StringCollection	Email addresses of the user.	Built-in
<input checked="" type="checkbox"/>	Given Name	givenName	String	The user's given name (also known as first name).	Built-in
<input checked="" type="checkbox"/>	Identity Provider	identityProvider	String	The social identity provider used by the user to access to your ap...	Built-in
<input checked="" type="checkbox"/>	Job Title	jobTitle	String	The user's job title.	Built-in
<input checked="" type="checkbox"/>	Postal Code	postalCode	String	The postal code of the user's address.	Built-in
<input checked="" type="checkbox"/>	State/Province	state	String	The state or province in user's address.	Built-in
<input checked="" type="checkbox"/>	Street Address	streetAddress	String	The street address where the user is located	Built-in
<input checked="" type="checkbox"/>	Surname	surname	String	The user's surname (also known as family name or last name).	Built-in
<input checked="" type="checkbox"/>	User is new	newUser	Boolean	True, if the user has just signed-up for your application	Built-in
<input checked="" type="checkbox"/>	User's Object ID	objectId	String	Object identifier (ID) of the user object in Azure AD.	Built-in

OK

Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Sign-up or sign-in policies > Add policy

Add policy

New sign-up or sign-in policy

Name ⓘ

signUp-In ✓

Identity providers ⓘ

1 Selected

Sign-up attributes ⓘ

10 Selected

Application claims ⓘ

13 Selected

Multifactor authentication ⓘ

Off

Page UI customization ⓘ

Default

Create

Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Sign-up or sign-in policies

Azure AD B2C - Sign-up or sign-in policies

snsdemodeployonmicrosoft.com

Search (Ctrl+)

Overview

MANAGE

Applications

Identity providers

User attributes

Users

POLICIES

Sign-up or sign-in policies

Profile editing policies

Password reset policies

Sign-up policies

Sign-in policies

All policies

+ Add

Upload Policy

Search

B2C\_1\_signUp-In

Default template

Preserve this for ARM deployment

Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Sign-up or sign-in policies

Azure AD B2C - Sign-up or sign-in policies

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Search (Ctrl+)

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MANAGE

Applications

Identity providers

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Sign-up or sign-in policies

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Password reset policies

Sign-up policies

Sign-in policies

All policies

+ Add

Upload Policy

Search

B2C\_1\_signUp-In

Default template



Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Applications

Azure AD B2C - Applications

snsdemodeployonmicrosoft.com

Search (Ctrl+)

+ Add

Overview

MANAGE

Applications

Identity providers

User attributes

Users

POLICIES

Sign-up or sign-in policies

Profile editing policies

Password reset policies

Sign-up policies

Sign-in policies

All policies

NAME

APPLICATION ID

No applications found in the tenant

Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Applications > New application

New application

Name

SnSDemoDeploy

Web App / Web API

Include web app / web API

Yes No

Allow implicit flow

Yes No

Redirect URIs must all belong to the same domain

Reply URL

https://abc.com/

App ID URI (optional)

https://snsdemodeploy.onmicrosoft.com/ SnSDemoDeploy

Native client

Include native client

Yes No

Redirect URI

urn:ietf:wg:oauth:2.0:oob

https://login.microsoftonline.com/tfp/oauth2/nativeclient

Redirect URIs must not be http or https

Custom Redirect URI

Create

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24



Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Applications

Azure AD B2C - Applications

snsdemoemployonmicrosoft.com

Search (Ctrl+)

Overview

MANAGE

Applications

Identity providers

User attributes

Users

POLICIES

Sign-up or sign-in policies

Profile editing policies

Password reset policies

Sign-up policies

Sign-in policies

All policies

+ Add

NAME	APPLICATION ID
SnSDemoDeploy	afad337c-825a-4427-9e56-05da2aed7171

+

Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Applications > SnSDemoDeploy - Properties

SnSDemoDeploy - Properties

Search (Ctrl+/)

Save Discard Delete

GENERAL

Properties

Keys

API ACCESS (PREVIEW)

API access (Preview)

Published scopes (Preview)

Name

SnSDemoDeploy

Application ID

afad337c-825a-4427-9e56-05da2aed7171

Web App / Web API

Include web app / web API

Yes No

Allow implicit flow

Yes No

Redirect URIs must all belong to the same domain

Reply URL

https://abc.com/

App ID URI (optional)

https://snsdemoemploy.onmicrosoft.com/SnSDemoDeploy

Native client

Include native client

Yes No

Redirect URI

urn:ietf:wg:oauth:2.0:oob

https://login.microsoftonline.com/tfp/oauth2/nativeclient

Redirect URIs must not be http or https

Preserve this for ARM deployment| as Client ID

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26

Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Applications > SnSDemoDeploy - Properties

SnSDemoDeploy - Properties

Search (Ctrl+/)

Save Discard Delete

GENERAL

Properties

Keys

API ACCESS (PREVIEW)

API access (Preview)

Published scopes (Preview)

Name

SnSDemoDeploy

Application ID

afad337c-825a-4427-9e56-05da2aed7171

Web App / Web API

Include web app / web API

Yes No

Allow implicit flow

Yes No

Redirect URIs must all belong to the same domain

Reply URL

https://abc.com/

App ID URI (optional)

https://snsdemoemploy.onmicrosoft.com/SnSDemoDeploy

Native client

Include native client

Yes No

Redirect URI

urn:ietf:wg:oauth:2.0:oob

https://login.microsoftonline.com/tfp/oauth2/nativeclient

Redirect URIs must not be http or https

Microsoft Azure

Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Applications > SnSDemoDeploy - Published scopes (Preview)

SnSDemoDeploy - Published scopes (Preview)

Search (Ctrl+/)

Save Discard

GENERAL

Properties

Keys

API ACCESS (PREVIEW)

API access (Preview)

Published scopes (Preview)

SCOPE	DESCRIPTION	FULL SCOPE VALUE
user_impersonation	Access this app on behalf of the signed-in user	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-44... ..
		...

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Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

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Home > Azure AD B2C - Applications > SnSDemoDeploy - Published scopes (Preview)

SnSDemoDeploy - Published scopes (Preview)

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Save Discard

SCOPE	DESCRIPTION	FULL SCOPE VALUE
user_impersonation	Access this app on behalf of the signed-in user	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-44... ...
offline_access	Access the user's profile	...
write	Allow this app to write	...
read	Allow this app to read notes	...
+		...

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Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Applications > SnSDemoDeploy - Published scopes (Preview)

SnSDemoDeploy - Published scopes (Preview)

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GENERAL

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Keys

API ACCESS (PREVIEW)

API access (Preview)

Published scopes (Preview)

SCOPE	DESCRIPTION	FULL SCOPE VALUE
user_impersonation	Access this app on behalf of the signed-in user	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-44... ..
offline_access	Access the user's profile	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-44... ..
write	Allow this app to write	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-44... ..
read	Allow this app to read notes	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-44... ..
		...

Update Published Scopes Success 4:28 PM

Published Scopes were successfully updated



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Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Applications > SnSDemoDeploy - Published scopes (Preview)

SnSDemoDeploy - Published scopes (Preview)

Search (Ctrl+/)

Save Discard

GENERAL

Properties

Keys

API ACCESS (PREVIEW)

API access (Preview)

Published scopes (Preview)

SCOPE	DESCRIPTION	FULL SCOPE VALUE
user_impersonation	Access this app on behalf of the signed-in user	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-44... ..
offline_access	Access the user's profile	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-4427-9e56-05da2aed7171 /user_impersonation
write	Allow this app to write	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-44... ..
read	Allow this app to read notes	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-44... ..
		...

Preserve this for ARM deployment|  
as user impersonation scope

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Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Applications > SnSDemoDeploy - Published scopes (Preview)

SnSDemoDeploy - Published scopes (Preview)

Search (Ctrl+/)

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Properties

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SCOPE	DESCRIPTION	FULL SCOPE VALUE
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offline_access	Access the user's profile	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-44... ..
write	Allow this app to write	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-44... ..
read	Allow this app to read notes	https://snsdemodeploy.onmicrosoft.com/afad337c-825a-44... ..
		...



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Create a resource

All services

FAVORITES

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Applications > SnSDemoDeploy - API access (Preview)

SnSDemoDeploy - API access (Preview)

Search (Ctrl+/)

+ Add

GENERAL

Properties

Keys

API ACCESS (PREVIEW)

API access (Preview)

Published scopes (Preview)

API	PERMITTED SCOPES
Access the user's profile	2

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ms.iod@outlook.com  
MOBILIYA (SNSDEMODEPLOY...)

API access (Preview)

SnSDemoDeploy - API access (Preview)

Search (Ctrl+/)

+ Add

GENERAL

Properties

Keys

API ACCESS (PREVIEW)

API access (Preview)

Published scopes (Preview)

API	PERMITTED SCOPE
Access the user's profile	2

Select API

SnSDemoDeploy

Select Scopes

4 selected

- ☒ Select all
- ☒ Allow this app to read notes (read)
- ☒ Allow this app to write (write)
- ☒ Access the user's profile (offline\_access)
- ☒ Access this app on behalf of the signed-in user (user\_impersonation)

Ok

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All services

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Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

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Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billi...

Help + support

Home > Azure AD B2C - Applications > SnSDemoDeploy - API access (Preview)

SnSDemoDeploy - API access (Preview)

Search (Ctrl+/)

+ Add

GENERAL

Properties

Keys

API ACCESS (PREVIEW)

API access (Preview)

Published scopes (Preview)

API

PERMITTED SCOPES

Access the user's profile	2
SnSDemoDeploy	4

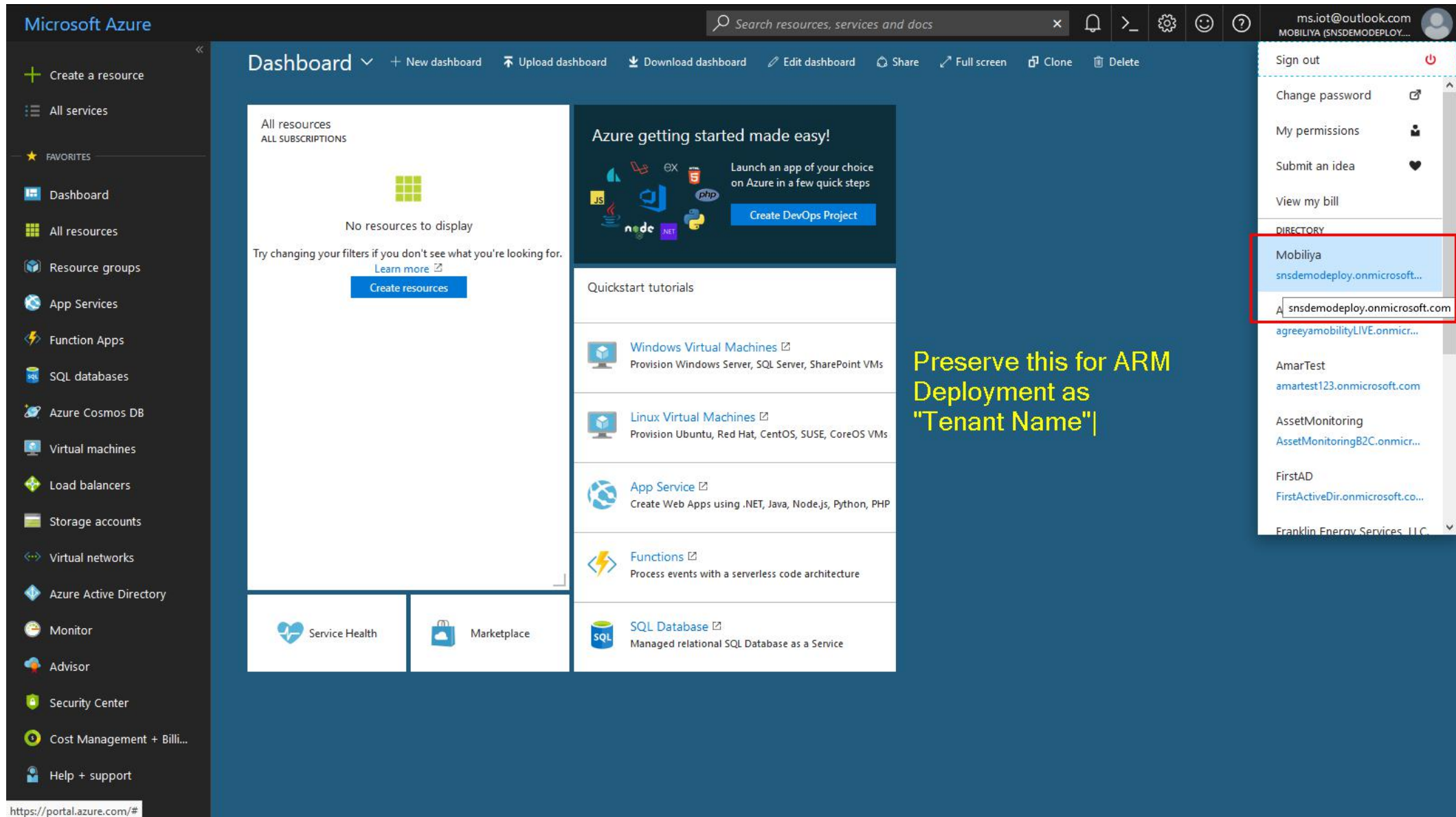
ms.iot@outlook.com

MOBILIYA (SNSDEMODEPLOY...

Adding API Access

API was successfully added

4:29 PM



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Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

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Sign out

Change password

My permissions

Submit an idea

View my bill

DIRECTORY

Mobiliya

snsdemodeploy.onmicrosoft...

snsdemodeploy.onmicrosoft.com

agreyamobilityLIVE.onmicr...

AmarTest

amartest123.onmicrosoft.com

AssetMonitoring

AssetMonitoringB2C.onmicr...

FirstAD

FirstActiveDir.onmicrosoft.co...

Franklin.Energy.Services.LLC

Preserve this for ARM Deployment as "Tenant Name" |

Service Health

Marketplace

SQL Database

Managed relational SQL Database as a Service

https://portal.azure.com/#

# AD B2C Configuration Done



# Deploy To Azure



# Pre-requisites

- Build and package source code of Web app, Backend server etc.
- Upload the packages on Azure blob storage with public container access and get package URLs for the same.

# ARM Template Changes

```

AzureResourceGroup1
azuredeploy.json
Schema: https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#
184 //IoT Hub Variables Start
185
186 "iotHubName": "[concat(parameters('iotHubNamePrefix'),uniqueString(resourceGroup().id))]",
187 "iotHubKeyName": "iothubowner",
188 "iotHubHostName": "[concat(variables('iotHubName'),'.azure-devices.net')]",
189
190 //IoT Hub Variables End
191
192 //Face API Variables Start
193
194
195
196 //Face API Variables End
197
198 //Storage Variables Start
199 "DeployStorageAccountName": "<Placeholder for deployment storage account name>",
200 "DeployStorageAccountKey": "",
201 "WebAppDeployPackageURI": "<Placeholder for Web App deployment package blob URL>",
202 "ComputeEngineDeployPackageURI": "<Placeholder for Compute Engine deployment package blob URL>",
203 "ServerBackendDeployPackageURI": "<Placeholder for REST API App deployment package blob URL>",
204 "SasToken": "?",
205
206 //Storage Variables End
207
208 //Database Variables Start
209
210 //Document DB Variables Start
211
212 "DocDBAccountName": "[concat(toLower(parameters('docDBNamePrefix')),uniqueString('resourceGroup().id'))]",
213 "offerType": "Standard",
214 "DocDBOfferThroughput": "400",
215
216 //Document DB Variables End
217
218 //Web App Variables Start

```

Replace the place holder text with appropriate values of package URLs and storage account details acquired in Step 1.



# ARM Template Changes Continued...

- After done with ARM template changes, upload the updated ARM template onto the blob storage and acquire the blob URL for it as done for packages in Step 1.
- Create a deployment URL in the following format (replace the placeholder text with actual values)

*[https://portal.azure.com/#create/Microsoft.Template/uri/https%3A%2F%2F<storage\\_account\\_name>.blob.core.windows.net%2F<container\\_name>%2Fazuredeploy.json](https://portal.azure.com/#create/Microsoft.Template/uri/https%3A%2F%2F<storage_account_name>.blob.core.windows.net%2F<container_name>%2Fazuredeploy.json)*

- Paste the above URL in browser window and hit 'enter'

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🏠

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📁

 Resource groups

📊

 All resources

🕒

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🌐

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🖥️

 Virtual machines (classic)

🖥️

 Virtual machines

🗄️

 SQL databases

☁️

 Cloud services (classic)

🛡️

 Security Center

🔑

 Subscriptions

👤

 Azure Active Directory

📊

 Monitor

💰

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🆘

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🔧

 Advisor

🧠

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Home > Custom deployment

Custom deployment

Deploy from a custom template

BASICS

Subscription

Pay-As-You-Go

Resource group

Create new

Use existing

SnsDemoDeployment

Location

East US

SETTINGS

IoT Hub Name Prefix

IoT Hub Pricing Tier

S1

Capacity Units

1

Face Api Name

Face Api Location

Face Api Pricing Tier

S0

Doc DB Name Prefix

App Service Plan Pricing Tier

S1

App Service Plan Instance Count

1

Hosting Plan Name

AppServPlan

Web Site Name

Compute Engine Name

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🕒

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☁️

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Home > Custom deployment

Custom deployment

Deploy from a custom template

App Service Plan Pricing Tier ⓘ

S1

App Service Plan Instance Count ⓘ

1

Hosting Plan Name ⓘ

AppServPlan

\* Web Site Name ⓘ

\* Compute Engine Name ⓘ

\* Server Backend Name ⓘ

\* B2c Client Id ⓘ

\* B2c Policy ⓘ

\* B2c Tenant ⓘ

\* B2c User Impersonation Scope ⓘ

\* Video Indexer Key ⓘ

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← Enter previously preserved values

← Enter subscription key of Azure Video Indexer

# Deployment Complete