

Prerequisites

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Note that upon completion of the manual setup I did circle back and investigated this method. It appears to be a wizard driven interface for the manual steps and could simplify the process however at the time of writing there is a disclaimer that prevents our use of this method in this scenario.

Note: An application registered here can't be used as a service principal. Learn how to register a service principal

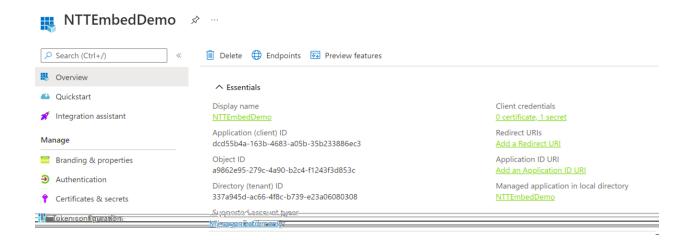
Creating an App Reg



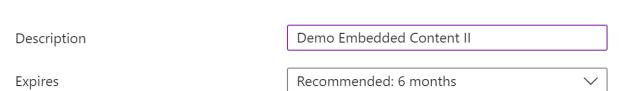
Select a platform

App registrations 🖈 … + New registration ⊕ Endpoints 🌽 Troubleshooting 💍 Refresh 💆 Download 💀 Preview features 📗 🛱 Got feedback? **Microsoft Azure** Search resources, services, and docs (G+/) Home > Register an application * Name The user-facing display name for this application (this can be changed later). NTTEmbeddedDemo Supported account types Who can use this application or access this API? Accounts in this organizational directory only (Sierra Systems Dev AD only - Single tenant) Accounts in any organizational directory (Any Azure AD directory - Multitenant) Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox) Personal Microsoft accounts only 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.

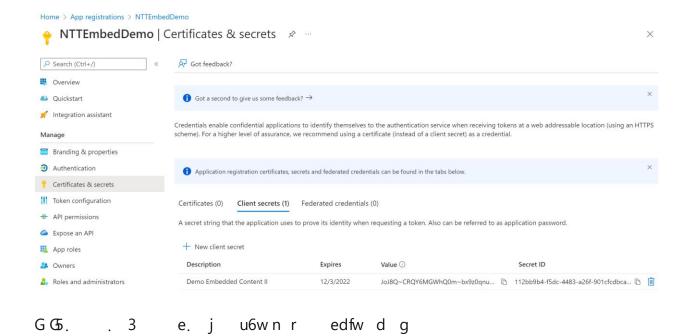
e.g. https://example.com/auth



Add a client secret



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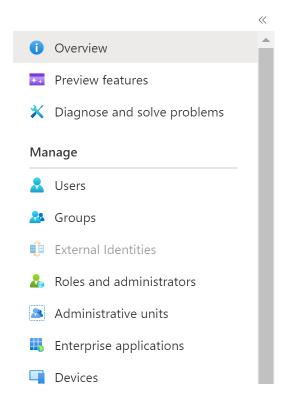
Security Group

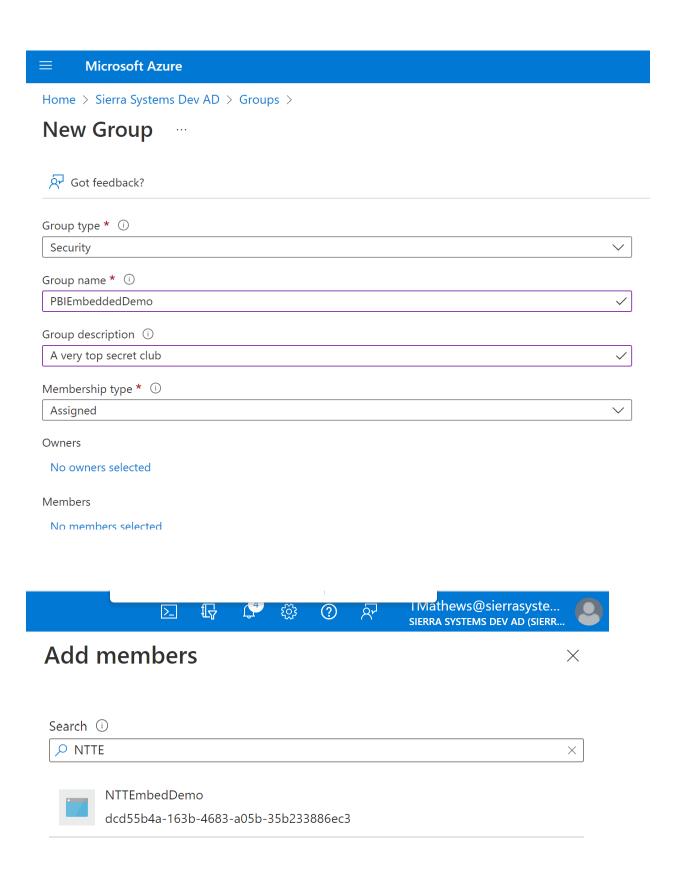




Home >





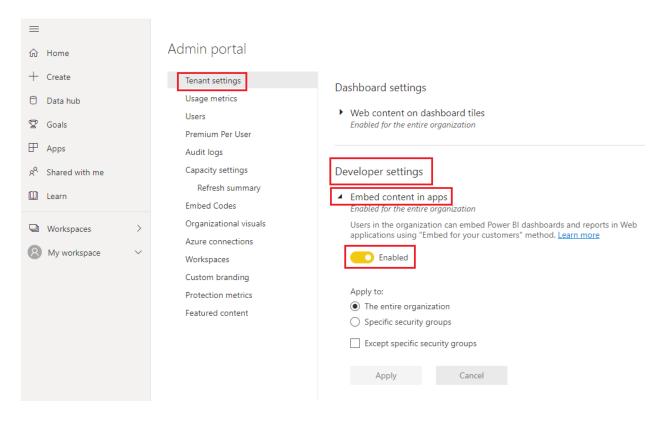


Power BI Config

Tenant settings Admin portal

Developer settings

Embed content in apps



Allow service principals to use Power BI APIs

Developer settings

- ► Embed content in apps

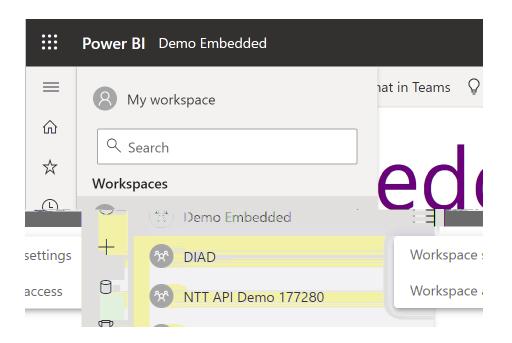
 Enabled for the entire organization
- Allow service principals to use Power BI APIs
 Unapplied changes

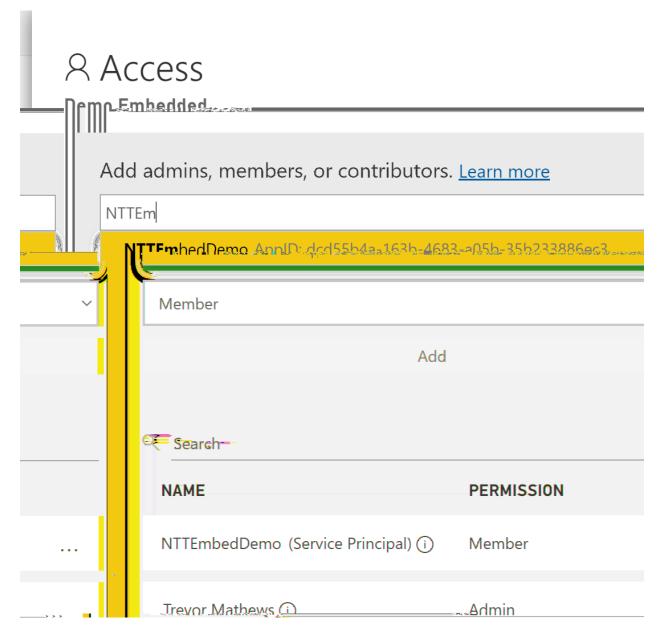
Web apps registered in Azure Active Directory (Azure AD) will use an assigned service principal to access Power BI APIs without a signed in user. To allow an app to use service principal authentication its service principal must be included in an allowed security group. Learn more



Service principals can use APIs to access tenant-level features controlled by Power BI service admins and enabled for the entire organization or for security groups they're included in. You can control access of service principals by creating dedicated security groups for them and using these groups in any Power BI tenant level-settings. Learn more

Apply to: The entire organization Specific security groups (Recommended)				
Enter security groups				
Except specific security groups				
	Apply	Cancel		





Setup Completion

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Client ID





Our Example

↑ Essentials

Display name NTTEmbedDemo

Application (client) ID dcd55b4a-163b-4683-a05b-35b233886ec3

Object ID a9862e95-279c-4a90-b2c4-f1243f3d853c

Directory (tenant) ID 337a945d-ac66-4f8c-b739-e23a06080308

Supported account types My organization only

Client credentials

<u>0 certificate, 1 secret</u>

Redirect URIs

Add a Redirect URI

Application ID URI

Add an Application ID URI

Managed application in local directory

NTTEmbedDemo

Workspace ID

powerbi.com/groups/97341742-1a52-416b-a331-e6c2c78e7a4e/reports/

Tenant settings Usage metrics Users Workspaces Premium Per User Audit logs View personal and group workspaces that exist in your organization. To change users' ability to create workspaces, see Tenant settings Capacity settings Refresh summary Description ~ State ~ Name ~ Type ∨ **Embed Codes** Organizational visuals TemplateAppTest Workspace Active Azure connections Workspaces ■ Details Workspace Orphaned Custom branding Access Protection metrics Featured content

Our Example

Admin portal

app.powerbi.com/groups/f538985c-629f-4137-8eed-e6ab1a68b569/reports/377c25db-a32e-4e3f-af20-b0d5fce5e4fc/ReportSection

c 0565 3/6c . 04 5bba b3 . 35 36

Report ID

/reports/de0db6db-232f-4807-b5b5-1abe1d71da76/ReportSection

Our Example

app.powerbi.com/groups/f538985c-629f-4137-8eed-e6ab1a68b569/reports/377c25db-a32e-4e3f-af20-b0d5fce5e4fc/ReportSection

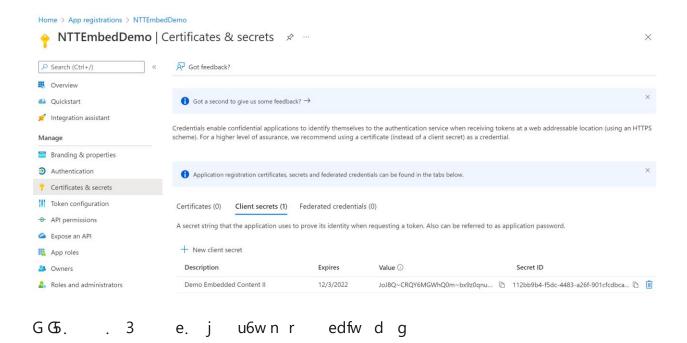
044 / a 0/b b0c c/ a c b b c

Client secret





Our Example



Tenant ID







Our Example

↑ Essentials

Display name

NTTEmbedDemo

Application (client) ID

dcd55b4a-163b-4683-a05b-35b233886ec3

Object ID

a9862e95-279c-4a90-b2c4-f1243f3d853c

Directory (tenant) ID

337a945d-ac66-4f8c-b739-e23a06080308

Supported account types

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Client credentials

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Redirect URIs

Add a Redirect URI

Application ID URI

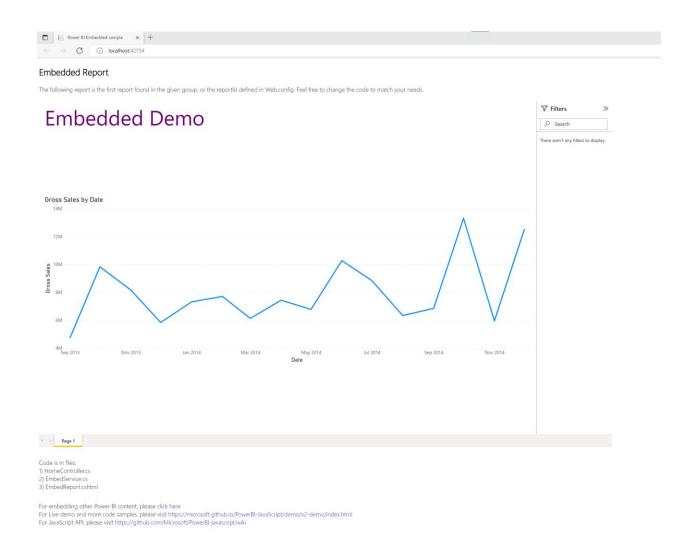
Add an Application ID URI

Managed application in local directory

NTTEmbedDemo

Visual Studio Project Example

Execution



Configured project code

