

A decorative network diagram consisting of interconnected nodes and lines, with some nodes highlighted in blue, is positioned in the top-left and bottom-right corners of the slide.

Application Security

App Security

A decorative graphic in the top-left corner consisting of a network of interconnected nodes and lines, rendered in a light gray color. The nodes are represented by small circles, some of which are solid and others are hollow, connected by thin lines.

Hello!

I am Eng Teong Cheah

Microsoft MVP

A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines. The nodes are represented by small circles, some of which are solid grey and others are hollow with a grey outline. The lines connecting them are thin and grey, creating a dense, organic structure.

App Security

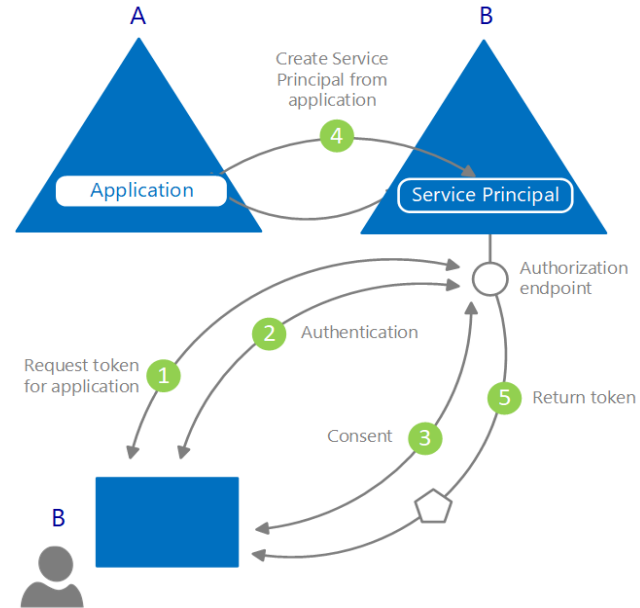
A decorative network diagram in the bottom-right corner, similar to the one in the top-left. It shows a cluster of nodes and connecting lines, with a small blue number '3' located near the bottom right edge of the cluster.

Microsoft Identity Platform

- ◎ OAuth 2.0 and OpenID Connect standard-compliant authentication service
- ◎ Open-source libraries
- ◎ Application management portal
- ◎ Application configuration API and PowerShell
- ◎ Developer content

Azure AD Application Scenarios

- Single page frontends run in a browser
- Web browser to a web application
- Web API on behalf of a user
- Web applications that need resources from a web API
- Daemon or server application that needs resources from a web API



App Registration

- Any application that outsources authentication to Azure AD must be registered in a directory
- Registration creates token information including a unique application id, one or more endpoints, and an application secret

Home > App registrations > Register an application

Register an application

PREVIEW

* Name

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

ContosoApp_1 ✓

Supported account types

Who can use this application or access this API?

☒ Accounts in this organizational directory only (Contoso Enterprises)

☐ Accounts in any organizational directory

☐ 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 URL 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 ✓


Register

Microsoft Graph Permissions


- ◎ Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process
- ◎ Delegated permissions are used by apps that have a signed-in user present
- ◎ Application permissions are used by apps that run without a signed-in user present

Web App Certificates

- ⦿ Enable require incoming certificate
- ⦿ Basic app plan tier or above
- ⦿ Requires HTTPs
- ⦿ Private or public certificates
- ⦿ Allow anonymous access with an exclusion path

 **HumanResources | TLS/SSL settings**
App Service


Bindings Private Key Certificates (.pfx) Public Key Certificates (.cer)

 **Protocol Settings**

Protocol settings are global and apply to all bindings defined by your app.

HTTPS Only: ☐ Off ☒ On

Minimum TLS Version ☐ 1.0 ☐ 1.1 ☒ 1.2

 **TLS/SSL bindings**

Bindings let you specify which certificate to use when responding to requests to a specific hostname over HTTPS. TLS/SSL Binding requires valid private certificate (.pfx) issued for the specific hostname.

+ Add TLS/SSL Binding

<input type="checkbox"/> Host name	Private Certificate Thumbprint	TLS/SSL Type
No TLS/SSL bindings configured		



Thanks!

Any questions?

You can find me at:
[@walkercet](#)

References

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