

Modern Identity for Developers

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Agenda

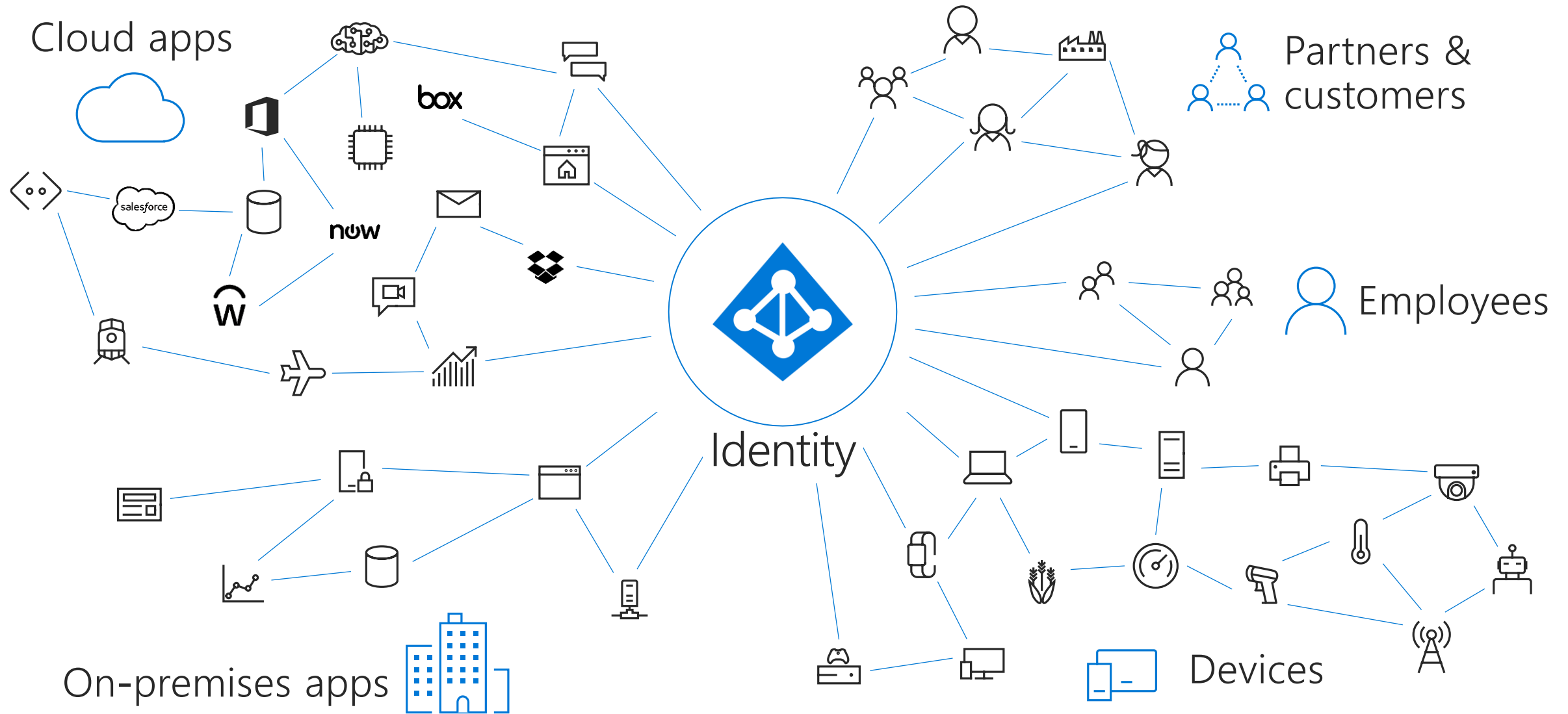
- Why build with Microsoft Identity Platform
- B2B (Azure AD)
- B2C (Azure AD B2C)
- Integrate with Microsoft 365
- Single Tenant vs Multitenant
- What is Microsoft Identity Platform
- Demo
- Next steps
- Q&A



Let's start with some code

```
34     var graphConfig = {
35         graphMeEndpoint: "https://graph.microsoft.com/v1.0/me",
36         graphMePhotoEndpoint: "https://graph.microsoft.com/v1.0/me/photo/$value",
37     };
38
39     // create a request object for login or token request calls
40     // In scenarios with incremental consent, the request object can be further customized
41     var requestObj = {
42         scopes: ["user.read"]
43     };
44
45     var myMSALObj = new Msal.UserAgentApplication(msalConfig);
46
47     // Register Callbacks for redirect flow
48     // myMSALObj.handleRedirectCallbacks(acquireTokenRedirectCallback, acquireTokenErrorRedirectCallback);
49     myMSALObj.handleRedirectCallback(authRedirectCallback);
50
51     function signIn() {
52         myMSALObj.loginPopup(requestObj).then(function (loginResponse) {
53             //Successful login
54             showWelcomeMessage();
55             //Call MS Graph using the token in the response
56             acquireTokenPopupAndCallMSGraph();
57         }).catch(function (error) {
58             //Please check the console for errors
59             console.log(error);
60         });
61     }
62
63     function signOut() {
64         myMSALObj.logout();
65     }
```

Identity is the control plane



How secure and accessible is your application?



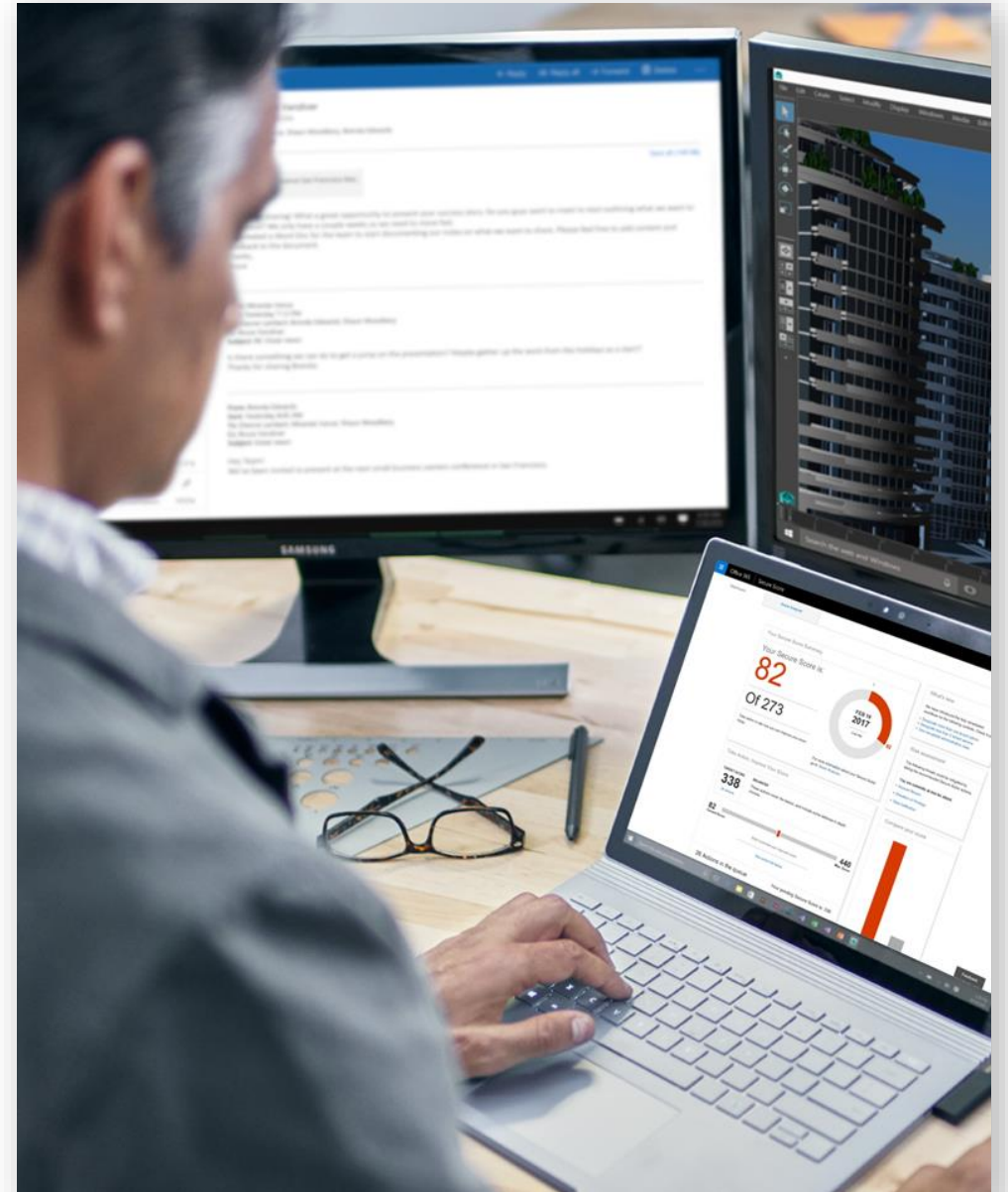
How can I accelerate adoption and usage with enterprise customers?



How can I secure my application and lower maintenance and support costs?



How do I build richer applications that can securely access user data in Microsoft 365?



Why build with the Microsoft identity platform

Unified toolkit to reach any Microsoft identity – personal Microsoft accounts to Azure AD accounts



Reach consumers and enterprises

Let your users sign in with their Microsoft personal account or work or school account provisioned by Azure AD



Protect your app and users

Comply with IT policy and extend the security benefits to your app for customers who use Azure AD



Create powerful apps

Build the next generation of apps and experiences by connecting to the Microsoft Graph



Integrate with ease

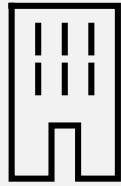
Build with confidence using our authentication libraries and open industry standards on a trusted, reliable platform

Azure Active Directory by the numbers

The world's #1 enterprise identity service

22.5M

organizations



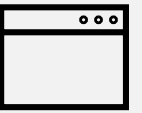
1.3B

identities



1.4M

third-party apps



100M

paid Azure AD/EMS
seats



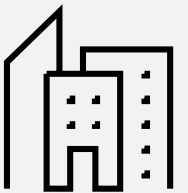
45B

daily Azure AD
authentications



90%

of Fortune 500
companies

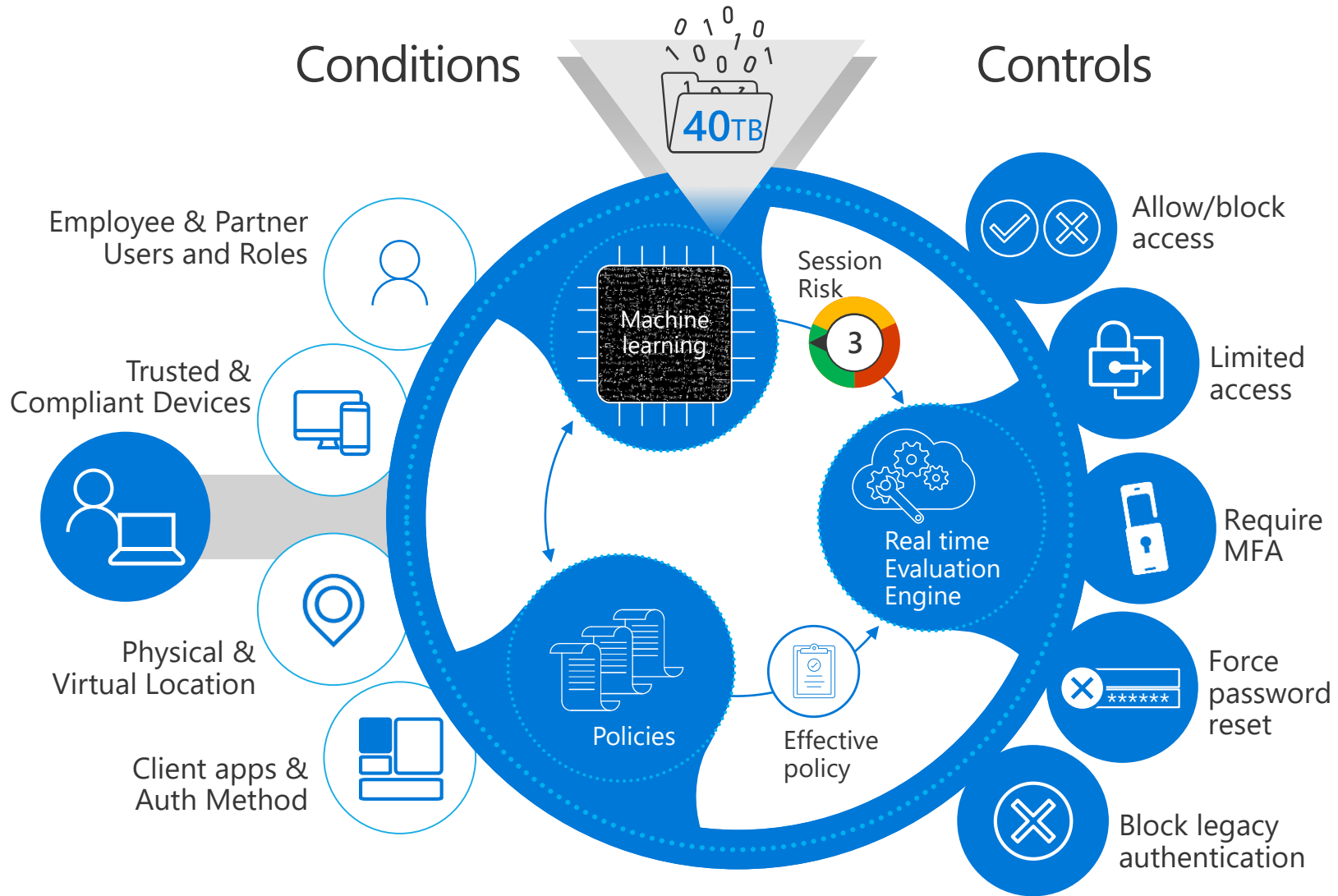


- Azure AD
- ADFS
- MSA
- Google ID

- Android
- iOS
- MacOS
- Windows
- Windows Defender ATP

- Geo-location
- Corporate Network

- Browser apps
- Client apps



Microsoft Cloud

Microsoft Cloud App Security



Cloud SaaS apps













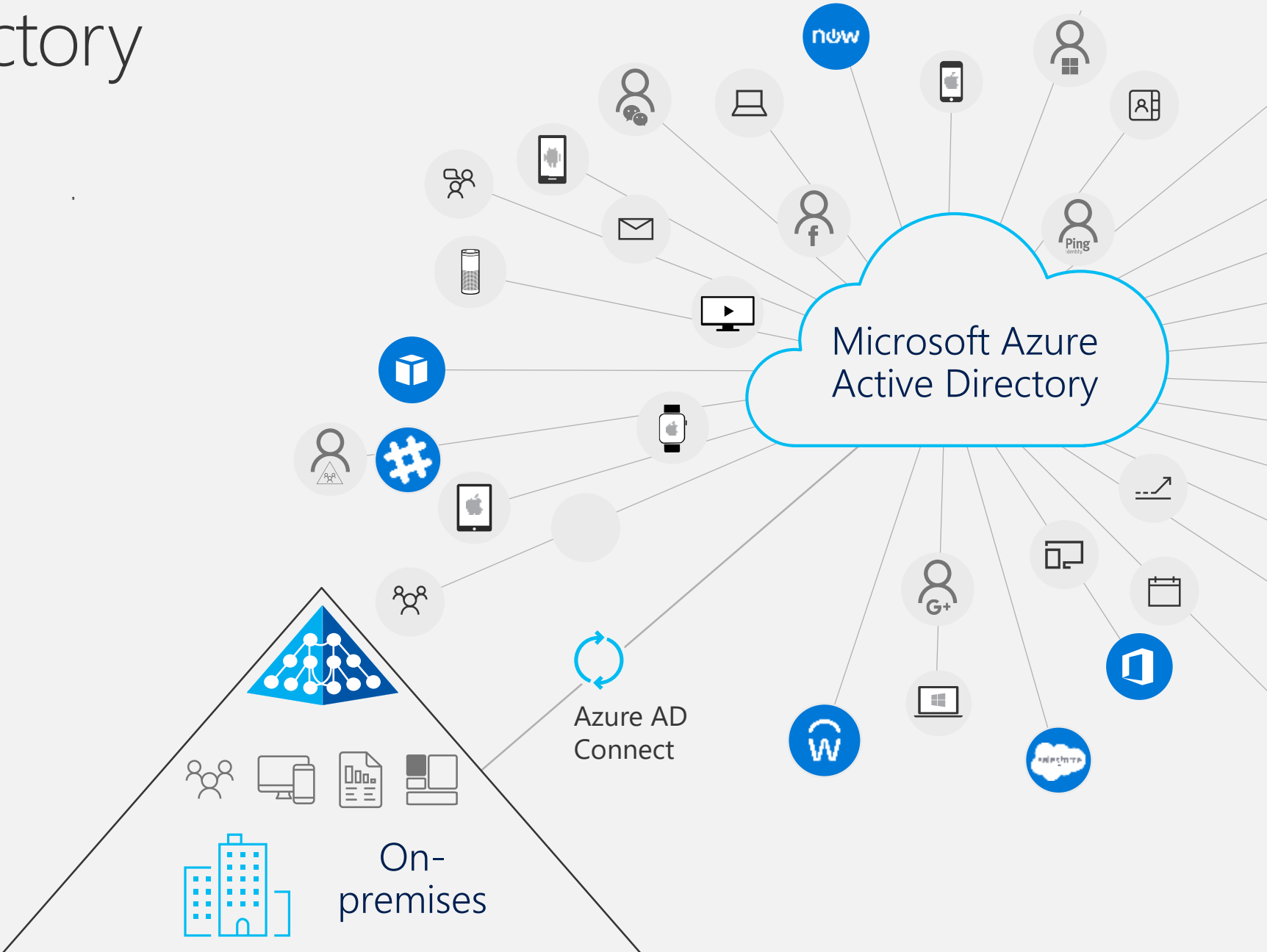
On-premises apps

Partners – Business to Business (B2B)

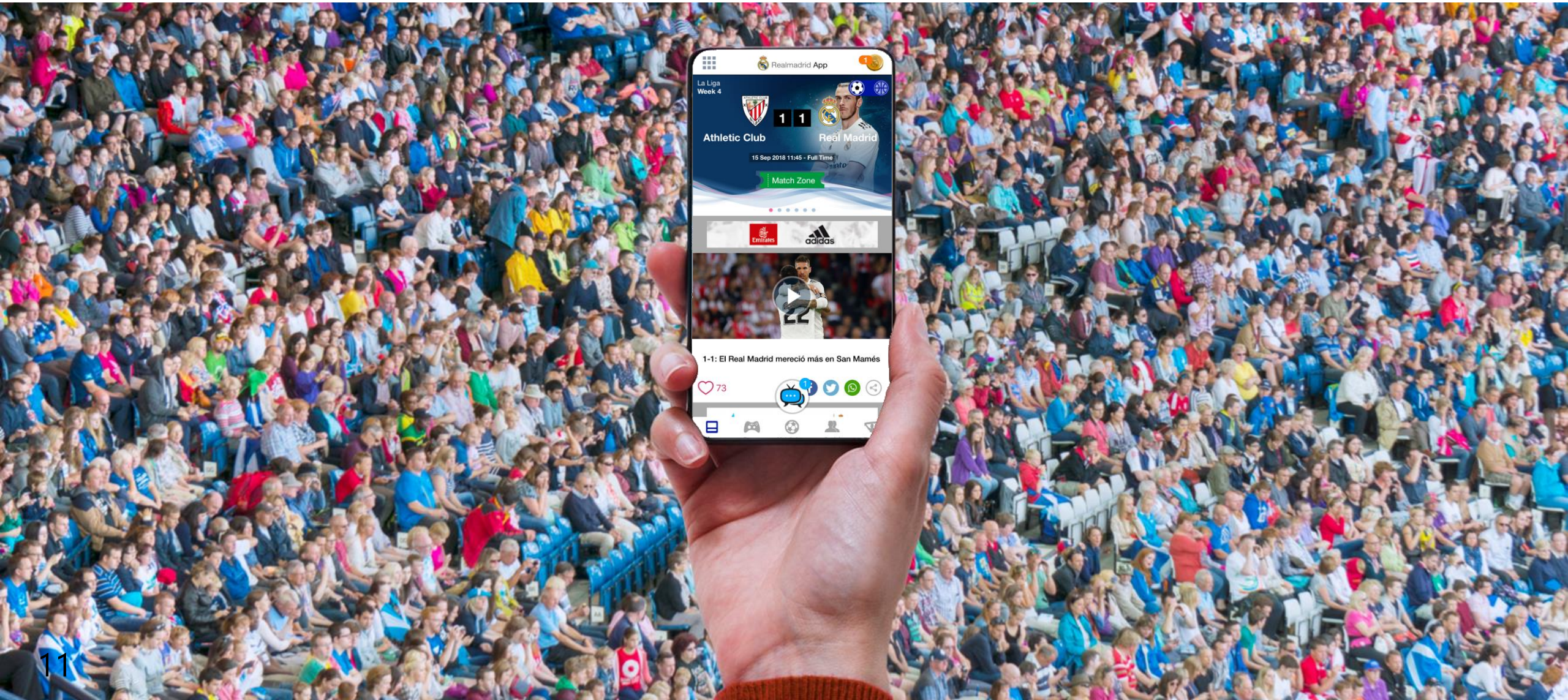


Azure Active Directory

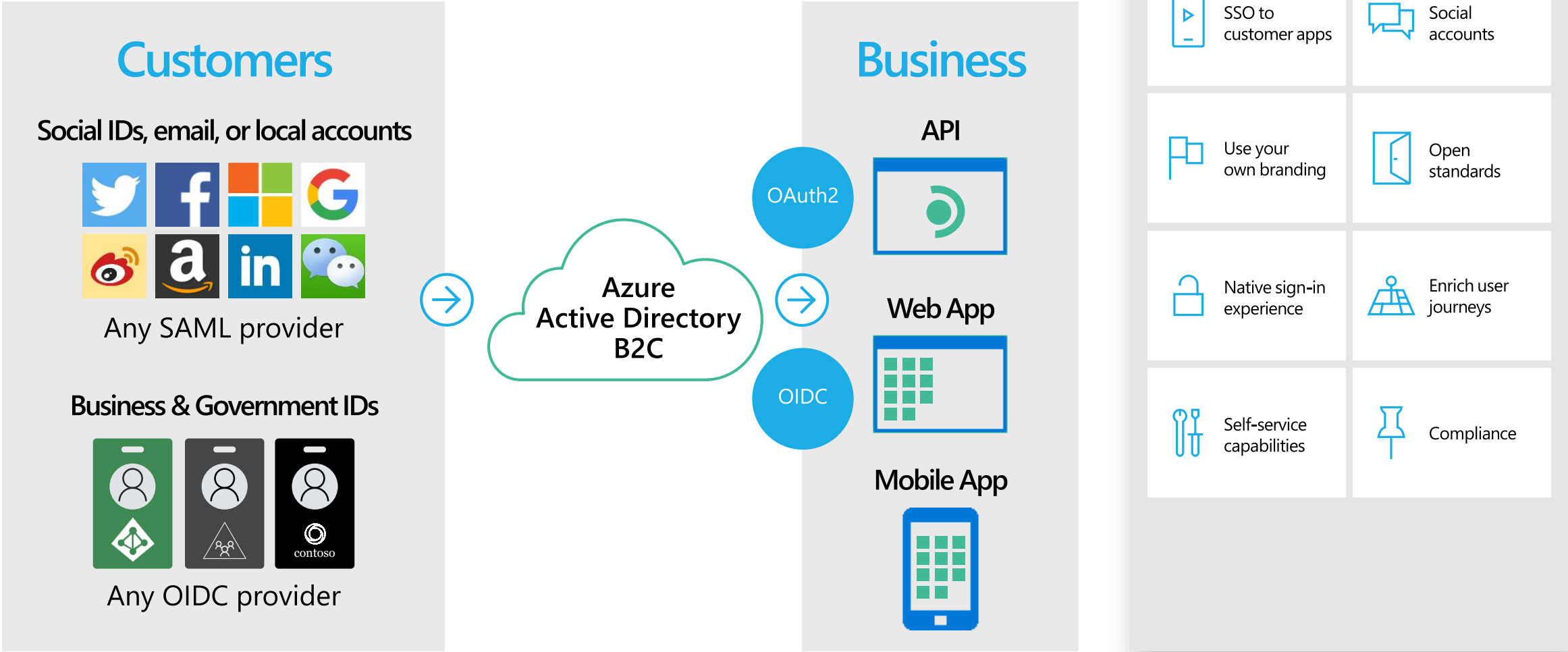
 Azure AD Connect	 Azure AD DS
 SSO to SaaS	 Self-Service capabilities
 Remote Access to on-premises apps	 Access Panel/MyApps
 Microsoft Authenticator - Password-less Access	 Conditional Access
 Office 365 App Launcher	 Multi-Factor Authentication



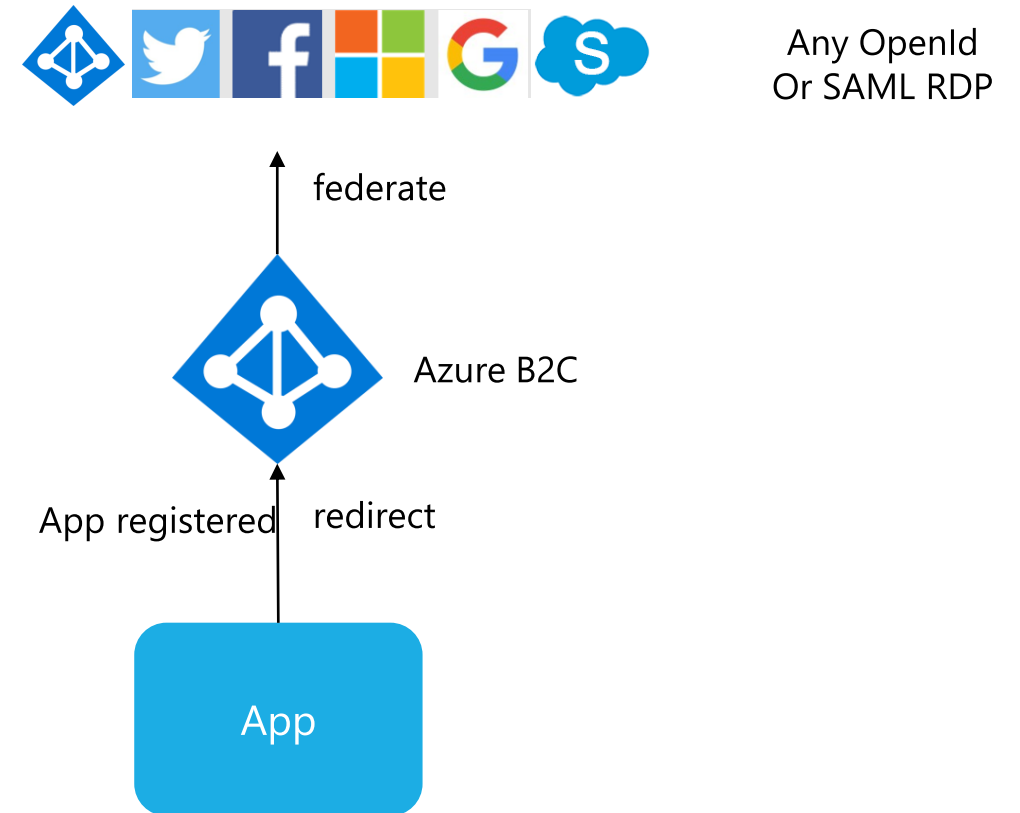
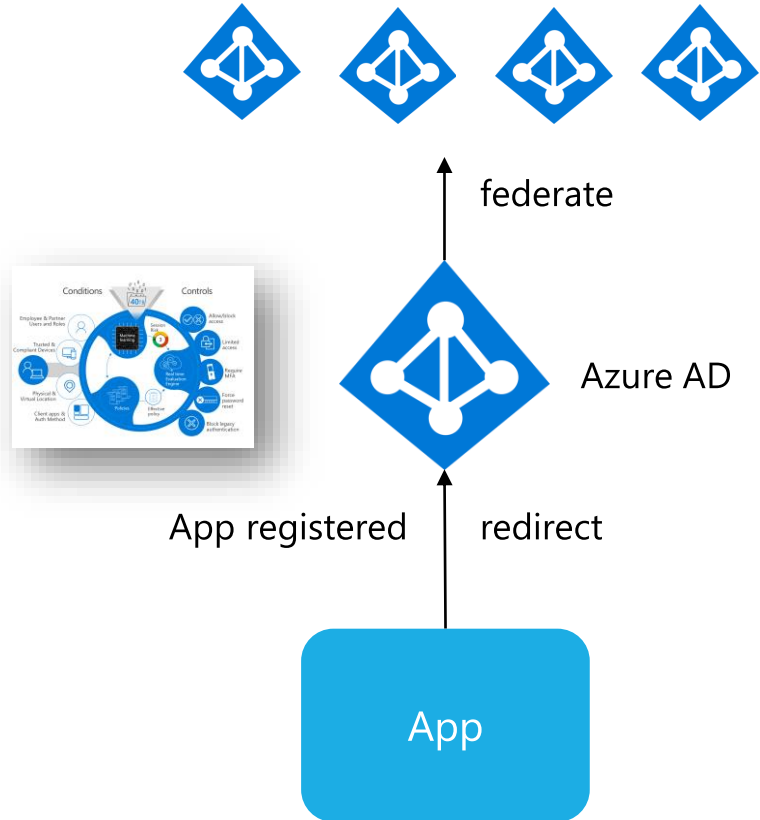
Customers – Business to Customers (B2C)



B2C provides simple, reliable and secure, SSO access to customer-facing apps with social or business IDs .



Azure AD versus Azure B2C for ISV



Integrate with Microsoft 365

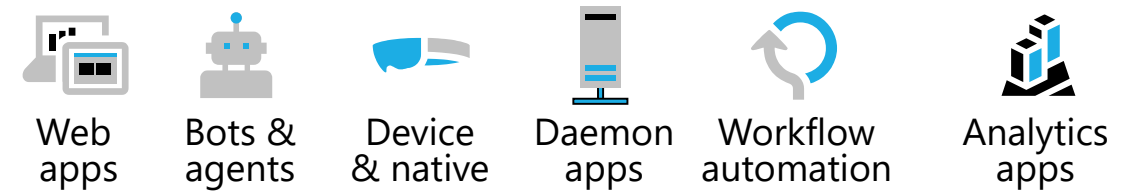


Microsoft 365 Platform

Extend Microsoft 365 experiences



Build your experience



Microsoft Graph API



Microsoft 365



Single tenant vs multi tenant (for Azure AD)

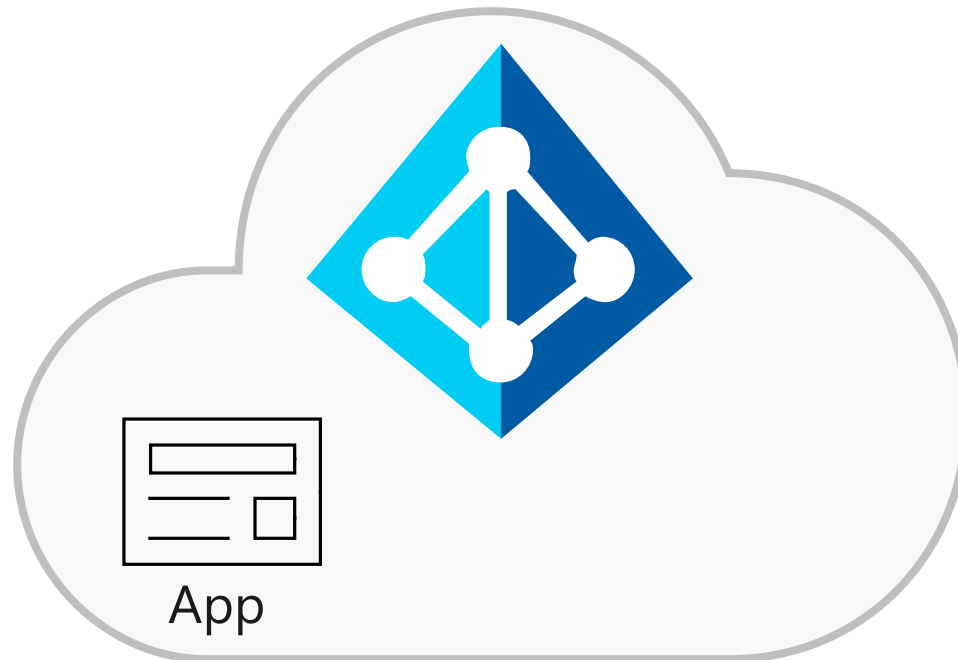
Single Enterprise App – Users come from only one enterprise

App registered for a specific Azure AD directory

Single-tenant

Registered with Azure Portal, script, automation provided by developer

Admins decide who can register apps in their tenant



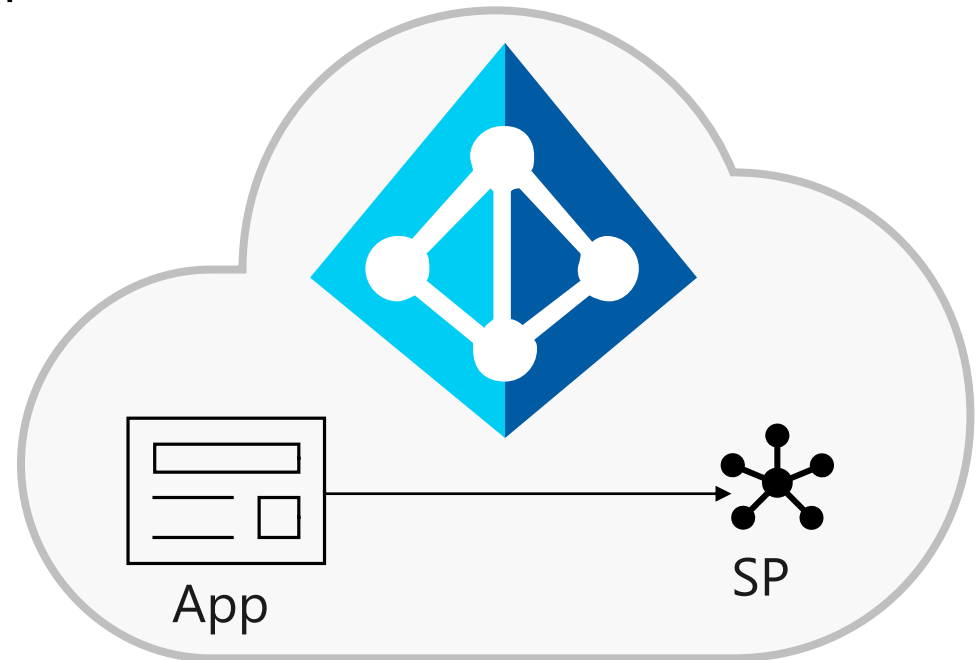
Making getting your app easier

App registered for use in any Azure Directory or any Azure AD and personal Microsoft accounts (e.g. Skype, Xbox, Outlook.com)

Multi-tenant

Registered in its “Home” directory (same process as single-tenant)

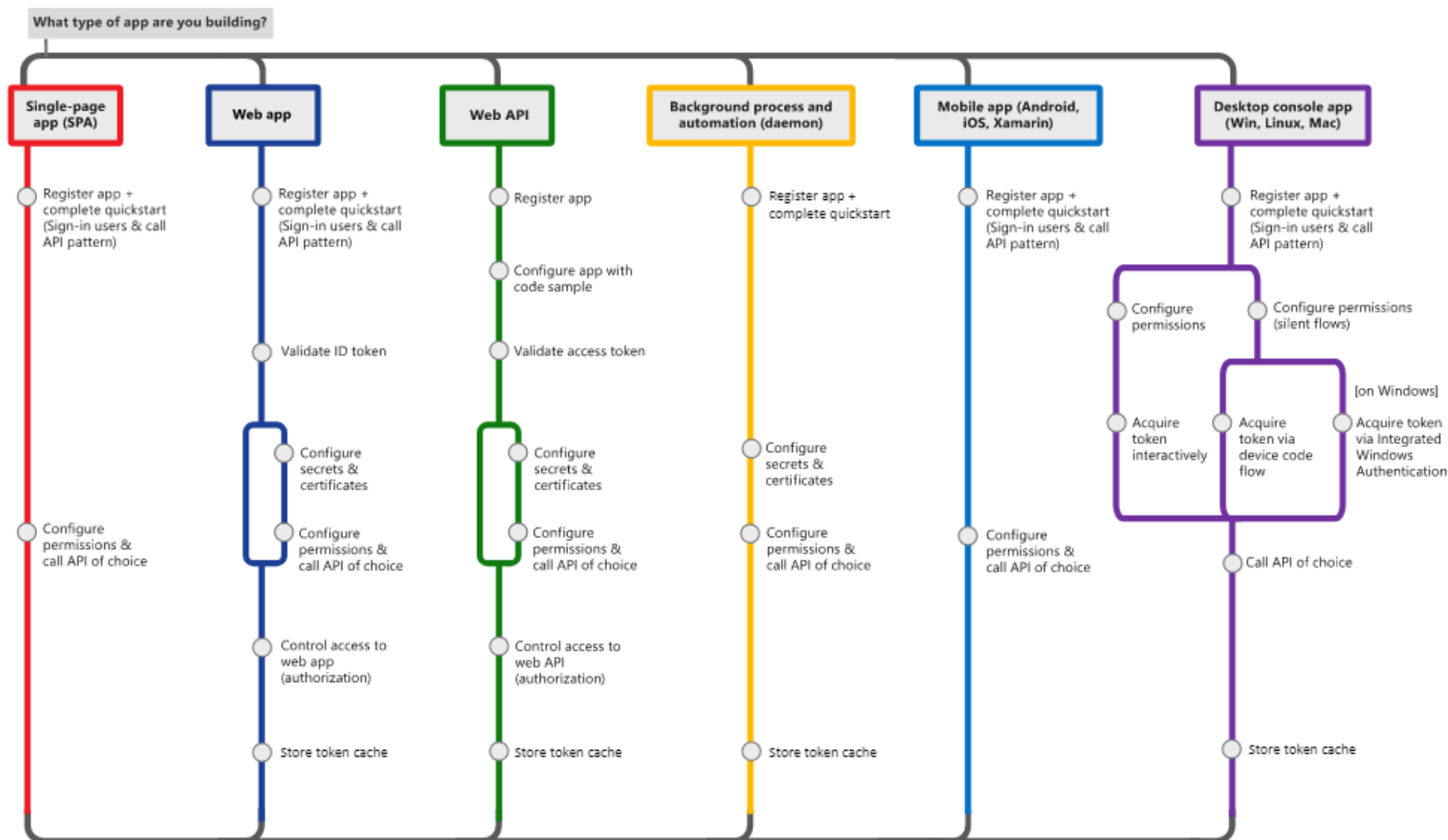
Admins decide who can consent to apps in their tenant



Microsoft Identity Platform (evolution of Azure AD for Developers)

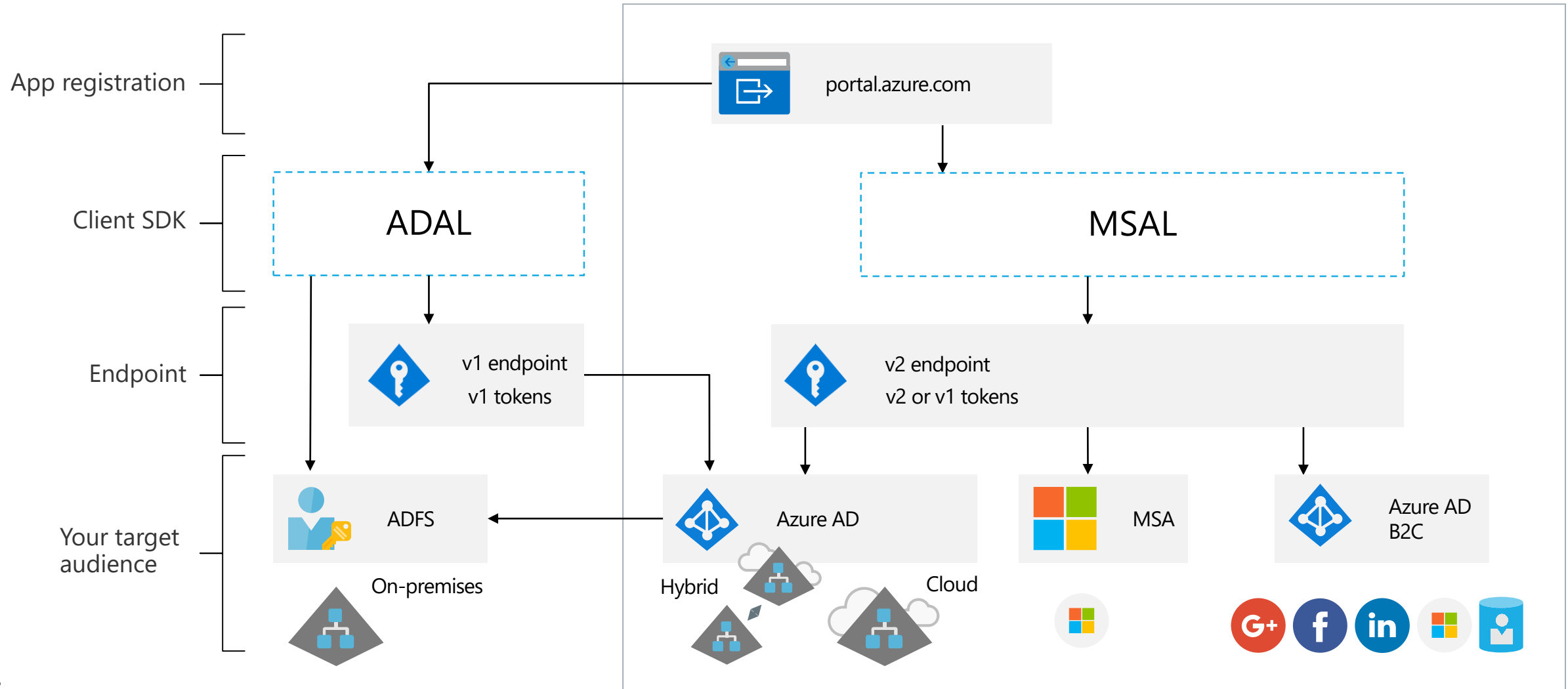
Microsoft identity platform

<http://aka.ms/IdentityPlatform>



Microsoft Identity Platform

Unified toolkit for building identity-connected applications



Fast and simple integration

Authentication libraries

- Secure access to users and data made simple
 - Microsoft's world (Microsoft Graph, other APIs)
 - Your own APIs
- MSAL - best in class auth libs
 - Built for v2 endpoint, reach any audience
 - Follows Microsoft Security Development Lifecycle
- Update at your own pace
 - ADAL based apps continue to work
 - Portfolio of ADAL and MSAL apps get Single Sign On



Microsoft Authentication Libraries (MSAL)

.NET, JS GA at Build

Updates frequently

Adding new features to MSAL only, security updates for ADAL



JavaScript



Angular



.NET



UWP



Java



Android

iOS

iOS












Xamarin

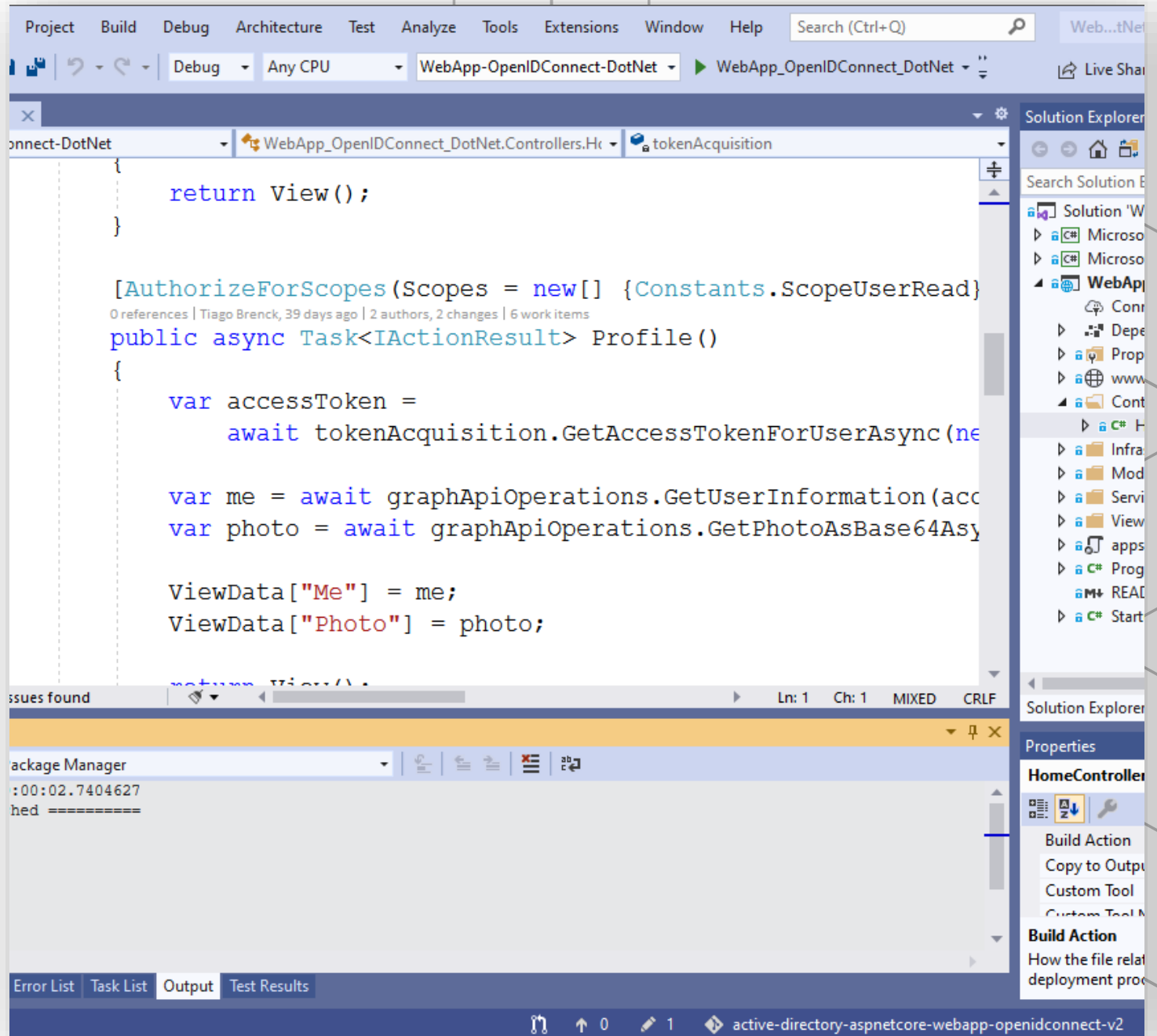


Python

Open Standards

Demo



Next steps

Modern Identity – Deep Dive Webinar Serie

Repeat topic Monday and Thursday – One topic pr week

Format: 45 minutes presentation. Intro to homework, Q&A. Listeners get a coding excercise as homework.

- | | |
|--|---------|
| 1. Adding Authentication | Week 18 |
| 2. Permission and Consent framework | Week 19 |
| 3. Accessing and protecting API's | Week 20 |
| 4. Authorization | Week 21 |
| 5. Azure Active Directorey B2C | Week 22 |
| 6. Best practices for securing your services | Week 23 |

1:1 Hands on Modern Identity Enablement for select ISV's

Accelerate partner competence and help them integrate their products with Azure Active Directory for managing their identity through a 4-step virtual engagement

1. Architecture Design Session (ADS)
2. Make the ISV Application multitenant (Guidance on how to architect and implement the solution to be multi-tenant)
3. Enable ISV application to integrate with Azure AD (Hands on training and guidance to do the integration through our toolkits)
4. Register the application in Azure Active Directory App Gallery

This offer is only valid to managed partners that has a multitenant app or that want to make their application multitenant.

Resources

Accelerate adoption and protect your application

SERVICE & SUPPORT

[Stack Overflow](#) | [Support](#)

DOCS

[Azure Active Directory](#) | [Microsoft Identity Platform](#) | [Microsoft Graph](#)

TOOLS

[Quick Starts](#) | [Graph Explorer](#) | [MSAL Libraries](#)

PRODUCT INFLUENCE

[UserVoice](#) | [MSAL Survey](#)

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developer.microsoft.com/identity/blogs/



azure.microsoft.com/services/active-directory



github.com/AzureAD



aka.ms/MsIdStackOverflow



[@AzureAD](#), [@msiddev](#)

Get your completed integrations listed into our app gallery by submitting it to aka.ms/AzureADAppGallery



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