

Partner Center Application Onboarding

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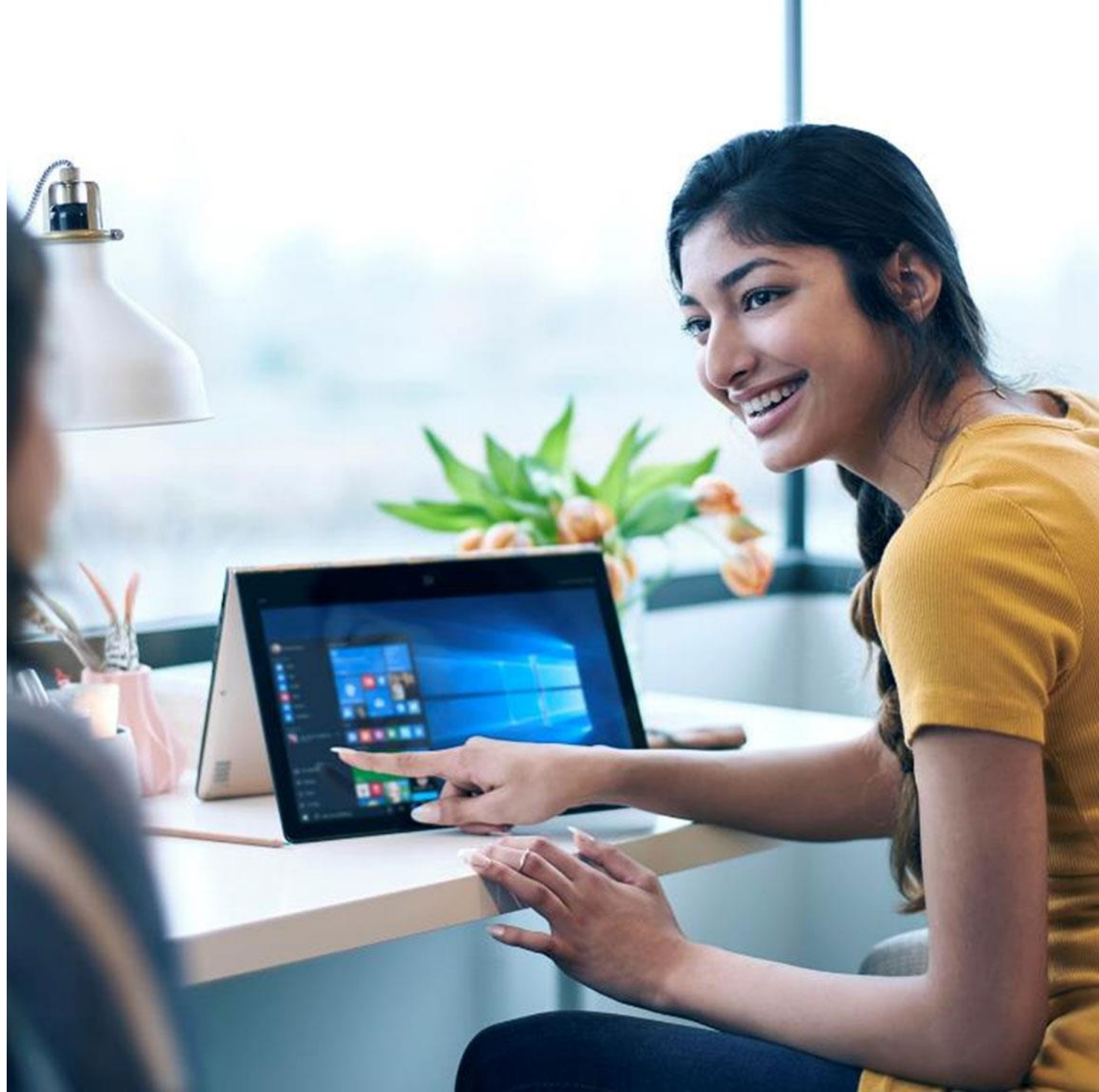
Agenda

- Introduction
- Application Onboarding Steps
- Validation
- Next Steps & Resources

Objectives

- understand configuration and information required by development team to start implementation
- be able to run sample Partner Center scenario in your environment
- know which resources are available (sample code, documentation)

Introduction



Partner Center Integration Project options



Use
Partner
Center web
site



Use a
distributors
portal

100
10101010
1011100010
10101010

Code against
CSP APIs



Panel providers
prebuilt portal

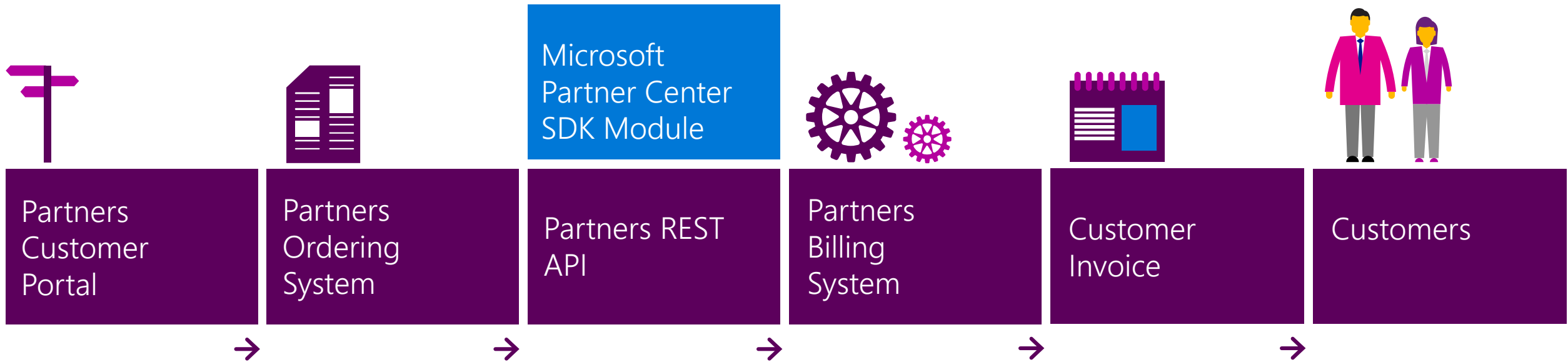


Hire third party
developer

Project scenarios:

- Build a portal for resellers
- Automate Partner Center operations
 - Automate service activation
 - Self service provisioning
- Integrate billing and usage data with own system

Work required in Partner Center Integration



Developer skills required:
REST, JSON, AZURE AD OAUTH, HTTP NETWORK TRACE
Fiddler, Postman

Typical APIs you would use

Partner Center APIs

Manage Customers
Place Orders
Manage Billing
Provide Support

Get Licenses Analytics
Get prices for Azure
Services (Rate Card)

Azure AD Graph API

Authentication
Group management
Rol assignment
Application registration

Azure Resource Manager API

Manage Azure
services
Apply resource tags

Microsoft Graph API

Authentication
O365 Service management
Office 365 usage Reports

Planning - Integration sandbox

Separate Partner Center tenant (not billed)

Limits

- Up to 75 Customers
- 5 subscriptions per Customer
- 25 licenses per subscription
- \$200 Azure usage per month

Creation of new Azure subscriptions have been temporarily disabled.

Limitations

- Invoices, Billing, Recon. Files, Azure Usage Records not available
- Cannot request reseller relationship
- Cannot create offer that require min 25 licenses

Best Practice

- Remove Customers and Subscriptions after testing

Account settings

Partner profile

Partner billing profile

Organization profile

User management

App Management

API

Integration sandbox

Shared services

Web storefront

Test drive new features

Insider preview

Other Planning Considerations

Global Datacenters vs. National Clouds

- National Clouds (US Gov./Germany) have different [considerations](#)

Authentication

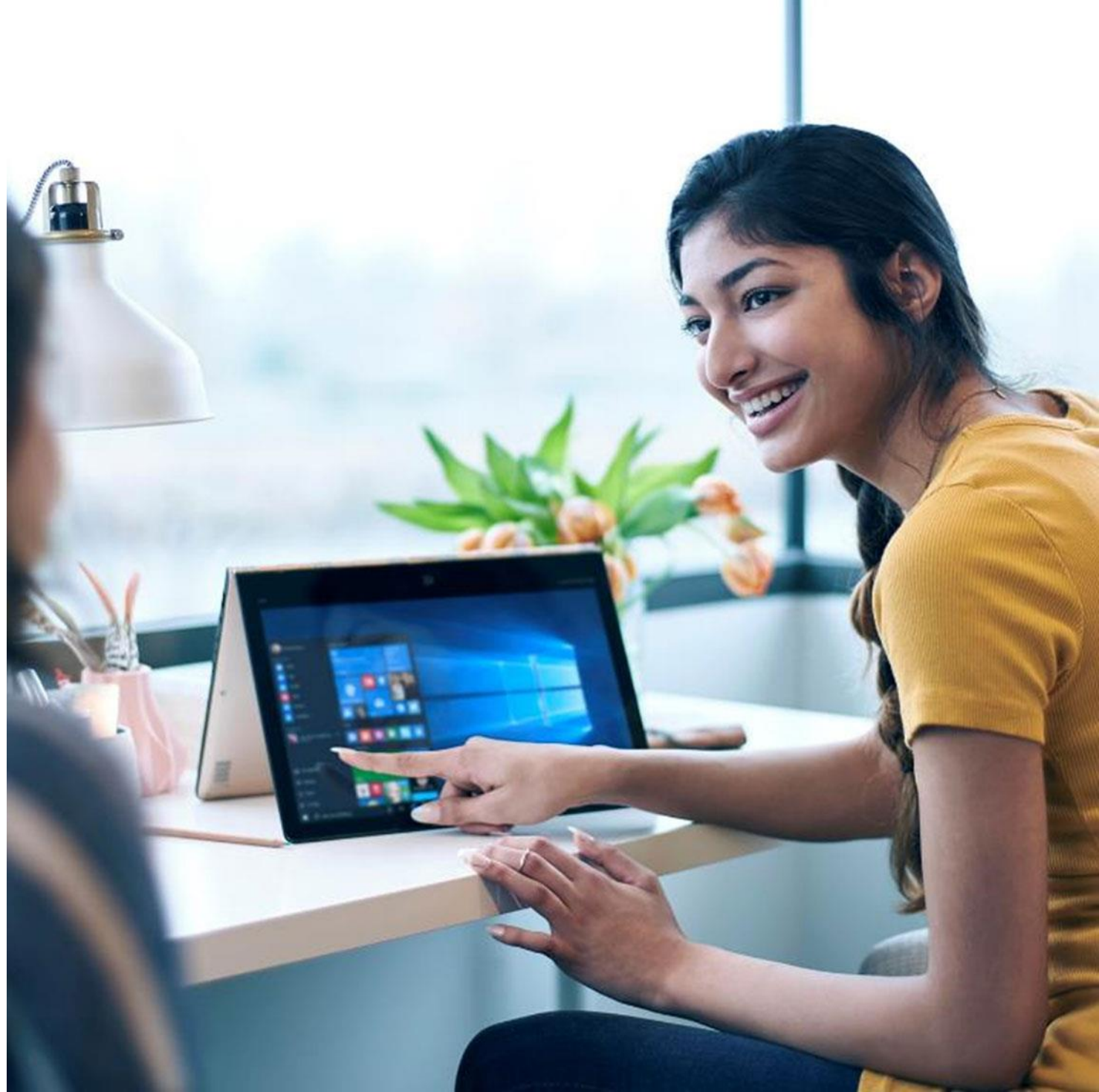
- App Only or App + User authentication

Production vs. Sandbox

C#/Java SDK vs. REST API

- Typically determined by the choice of programming language

Partner Center Application Onboarding



Application Onboarding Steps

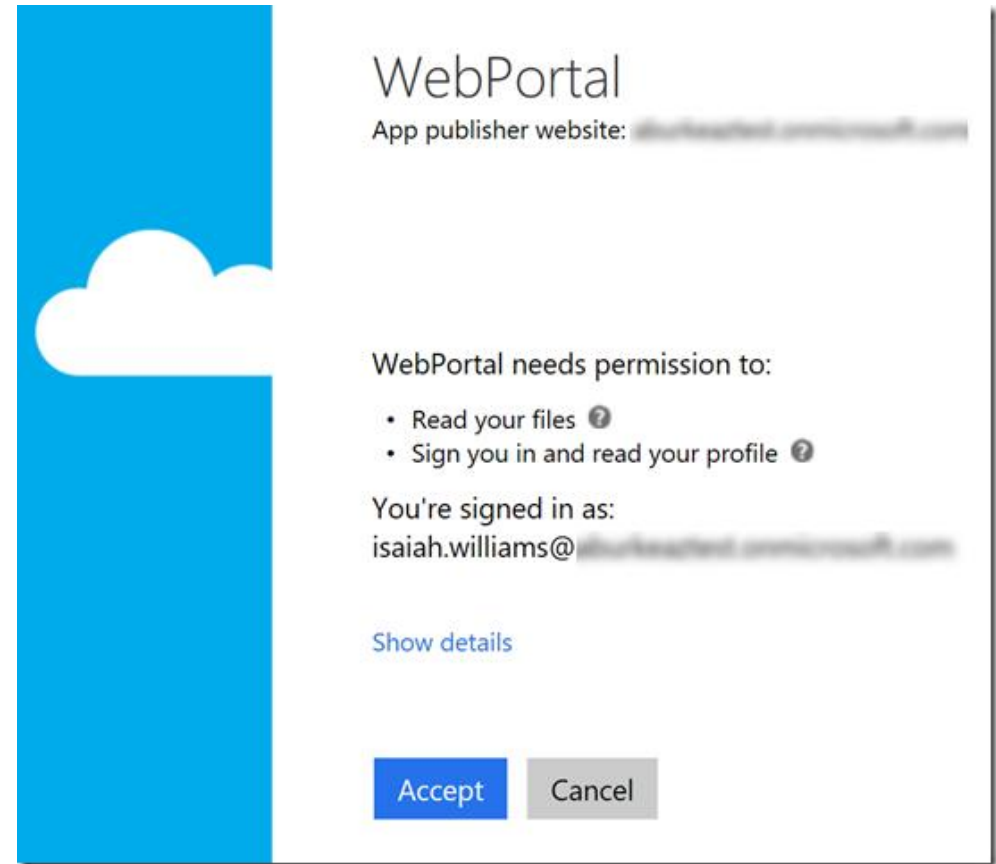
1. Create Application Registration in Partner Center
2. Create Application user account in Partner Center (App+User auth.)
3. Review Application Permissions in Azure Management Portal and consent the application for all users
4. Review multi-tenancy setting (web apps only)

Demo

Partner Center Application Onboarding

Pre-consent (optional)

- Required for background applications that operate across customer tenants
- Turns off the consent screen experience when accessing Customer tenant
- Will work only for Azure AD tenants with which you have reseller relationship
- Adds application Service Principal to AdminAgent group in your Partner Center tenant
- One-time configuration via Powershell script run by Global Admin of your Partner Center tenant



Pre-Consent script

```
Connect-AzureAD
```

```
$AppId = 'INSERT-APPLICATION-ID-HERE'
```

```
$DisplayName = 'INSERT-APPLICATION-DISPLAY-NAME-HERE'
```

```
$g = Get-AzureADGroup | ? {$_.DisplayName -eq 'AdminAgents'}
```

```
Get-AzureADGroupMember -ObjectId $g.ObjectId
```

```
$s = Get-AzureADServicePrincipal -All $true | ? {$_.AppId -eq  
$AppId}
```

```
if ($s -eq $null) { $s = New-AzureADServicePrincipal -AppId $AppId -  
DisplayName $DisplayName }
```

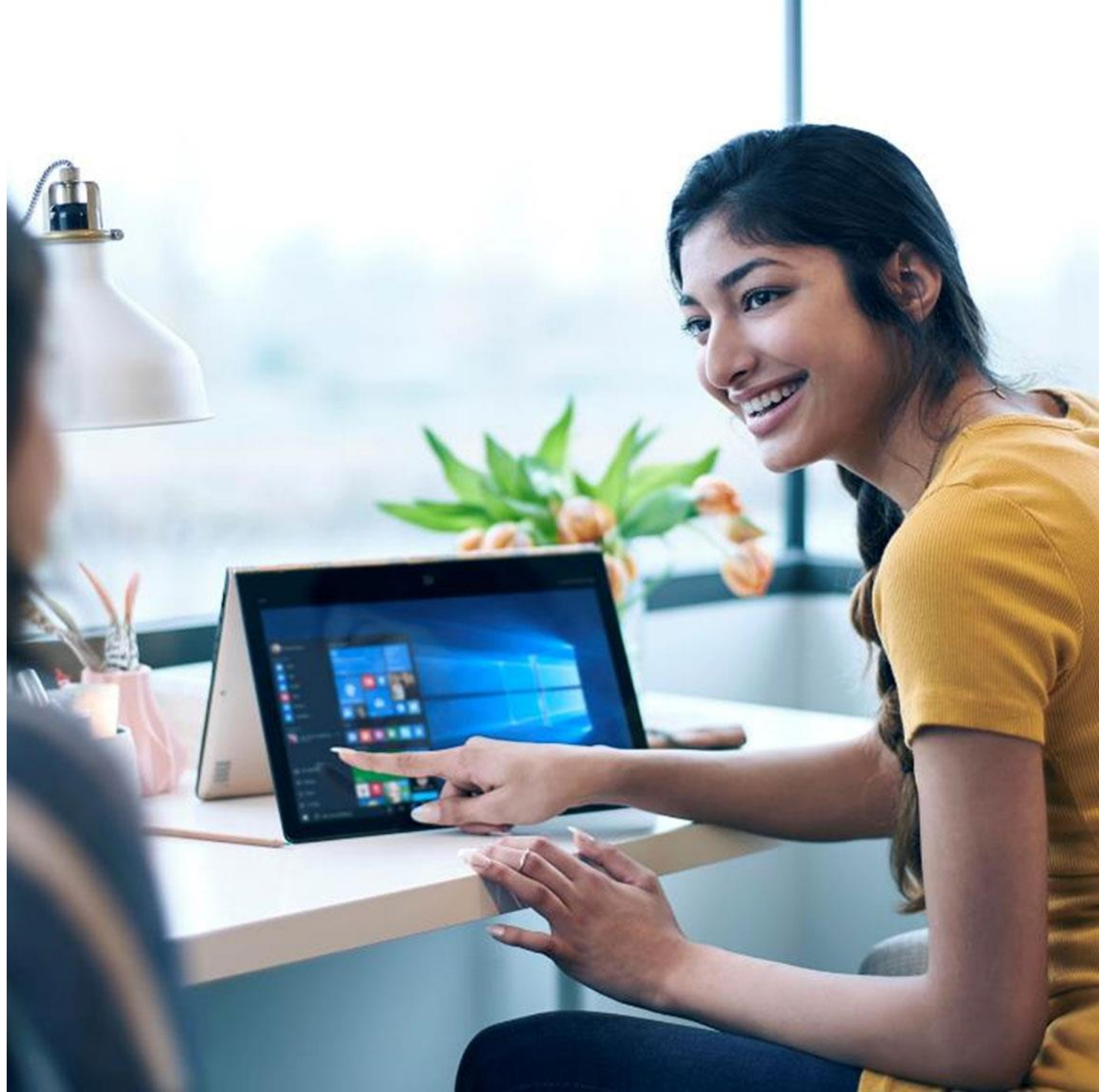
```
Add-AzureADGroupMember -ObjectId $g.ObjectId -RefObjectId  
$s.ObjectId
```

<https://github.com/Microsoft/Partner-Center-Explorer/blob/master/docs/Preconsent.md>

Demo

Configuring Pre-consent for application

Validation



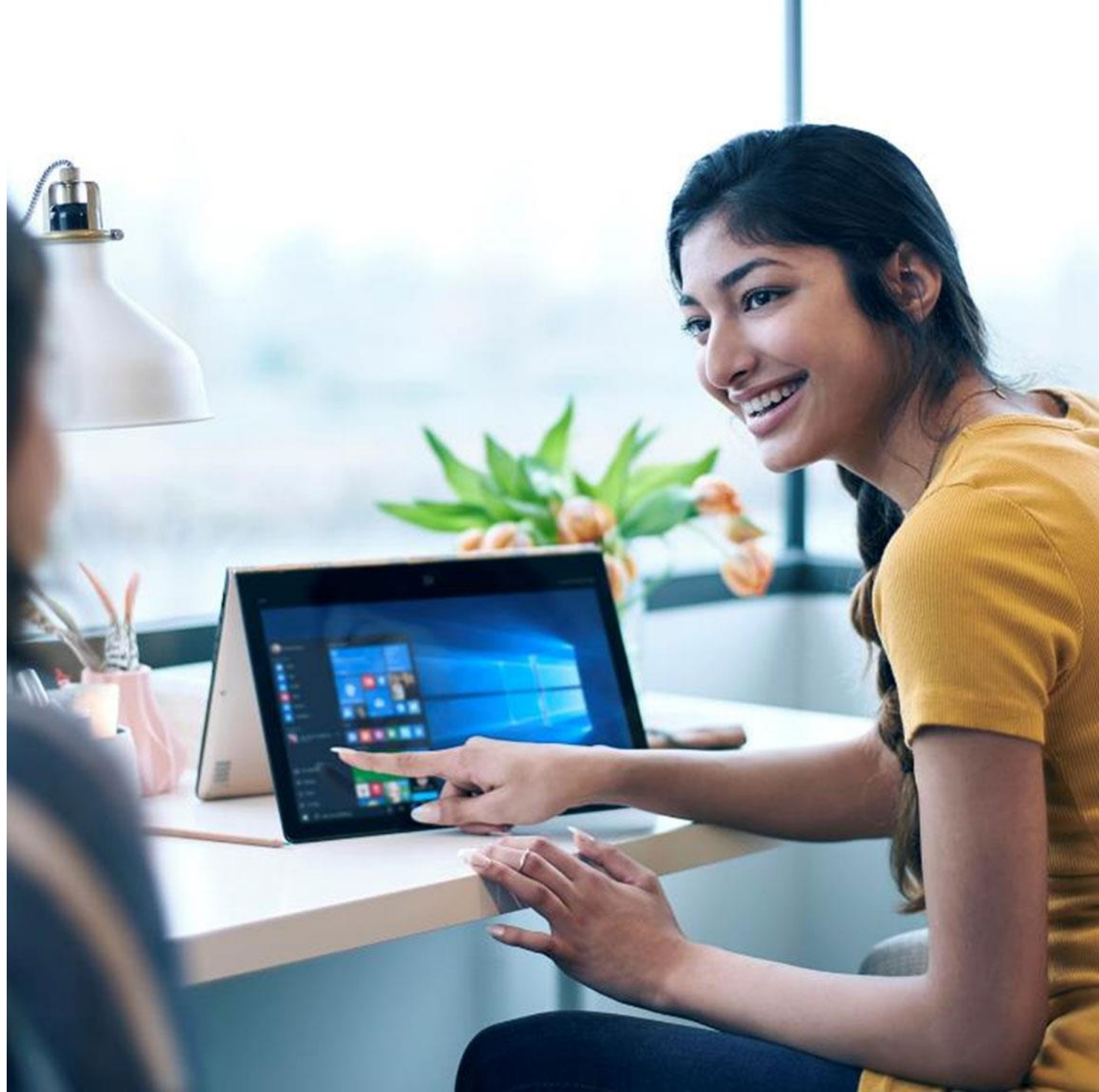
Demo

Create Customer and Offer (POSTMAN + REST)

Demo

Create Customer and Offer (C# and Partner Center SDK)

Resources & Next Steps



Next Steps

- Download webcast material from [GitHub](#)
- Onboard Your own Partner Center Application
- [Try the Console Application Test Scenarios](#)
- [Register for Partner Center Early Adopter Program](#)
- Join the webcast Microsoft API Integration for CSPs
- [Open 1:1 API Consultation request](#) if more help is needed
- [\(askptc@microsoft.com\)](mailto:askptc@microsoft.com)

References -Tools

Telerik Fiddler

<http://www.telerik.com/fiddler>

POSTMAN

<https://www.getpostman.com>

Partner Center PowerShell Module

<https://github.com/Microsoft/PartnerCenterPowerShellModule>

References – Documentation (Onboarding)

Setup API Access in Partner Center

<https://docs.microsoft.com/en-us/partner-center/develop/set-up-api-access-in-partner-center>

Partner Center Authentication

<https://docs.microsoft.com/en-us/partner-center/develop/partner-center-authentication>

Test and Debug

<https://docs.microsoft.com/en-us/partner-center/develop/test-and-debug>

References – Documentation (APIs)

Partner Center Scenarios (Operations C#+REST)

<https://docs.microsoft.com/en-us/partner-center/develop/scenarios>

Partner Center REST API reference

<https://docs.microsoft.com/en-us/partner-center/develop/partner-center-rest-api-reference>

Partner Center Swagger

<https://apidocs.microsoft.com/services/partnercenter>

References - SDKs

Microsoft Partner Center SDK Nuget (.Net)

<https://www.nuget.org/packages/Microsoft.Store.PartnerCenter>

Partner Center SDK Samples (C#)

<https://github.com/PartnerCenterSamples/Partner-Center-SDK-Samples>

Partner Center Java SDK (Java 7+)

<https://github.com/PartnerCenterSamples/Partner-Center-Java-SDK>

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Thank you