

# Configure Azure AD Resources

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# Overview



**Perform bulk user updates**

**Configure self-service password reset**

**Manage multiple directories**



# Perform Bulk Azure AD User Updates

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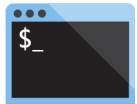
# Tools of the Trade



Microsoft Graph API



Azure PowerShell



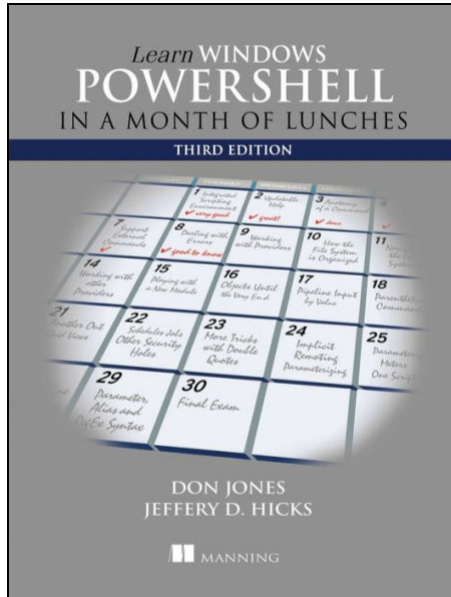
Azure CLI



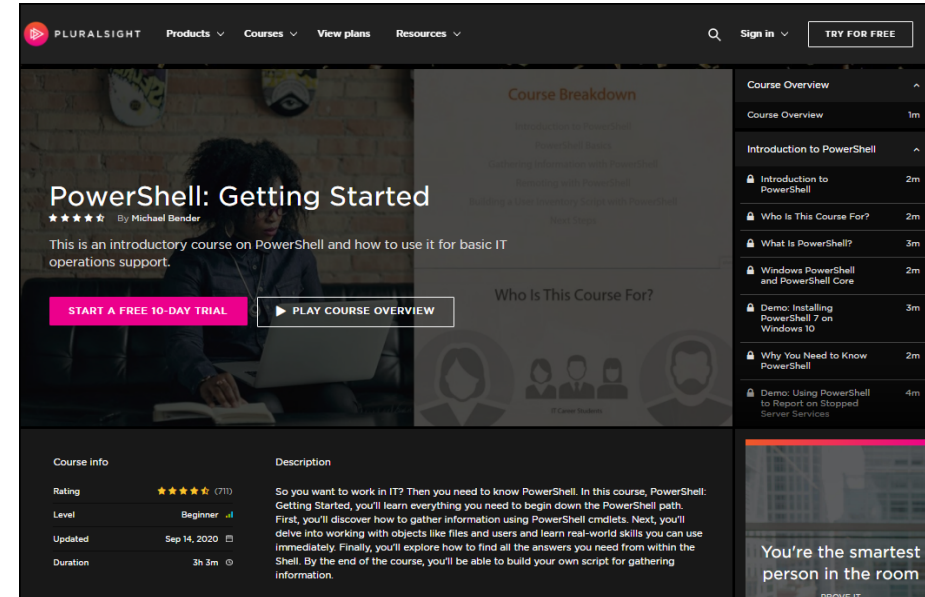
Comma-Separated Value (CSV) file format



# Build Your PowerShell Skills



***Learn Windows PowerShell in a Month of Lunches, 3e***  
(Manning)  
Don Jones, Jeff Hicks



***PowerShell: Getting Started***  
(Pluralsight)  
Michael Bender



# Bulk Update User Properties by Group

```
# Ref: https://timw.info/2jy
```

```
Import-Module AzureAD  
Connect-AzureAD
```

```
$adGroupId = "<Azure AD Group Id here>"
```

```
$users = Get-AzureADGroupMember -ObjectId $adGroupId  
  
foreach ($u in $users)  
{  
    Write-Host $u.DisplayName  
    Set-AzureADUser -ObjectId $u.Mail -Department "<New Value>"  
}
```



# Demo



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<https://techcommunity.microsoft.com/t5/windows-powershell/bulk-update-azure-ad-with-user-attributes-from-csv/m-p/1374479>



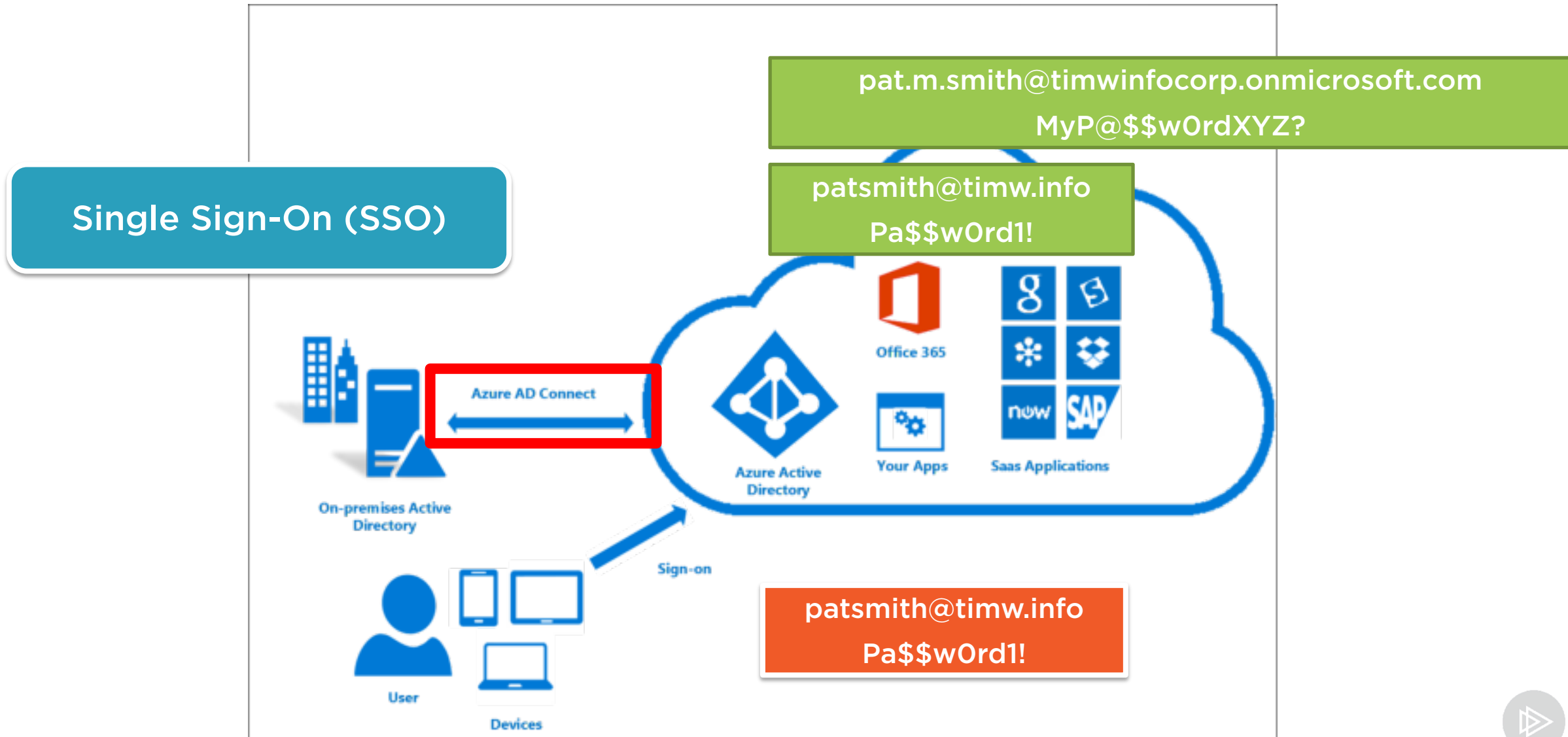
# Self-Service Password Reset (SSPR)

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# Hybrid Identity Use Case



# Azure AD Security Options

## Self-Service Password Reset

SSPR

Reduces support desk password change issues

Azure AD Premium P1 license required

Registration URL:  
<https://aka.ms/ssprsetup>

Enable with Azure portal  
Password writeback (P1)

## Multi-Factor Authentication

Azure MFA

Global Administrators get Azure MFA for free

Azure AD Premium P1 license required

Registration URL:  
<https://aka.ms/mfasetup>

Enable with Conditional Access or  
Azure AD Identity Protection (IdP)



# Conditional Access

Microsoft Azure Search resources, services, and docs (G+)

tim@timw.info TIMW.INFO

Dashboard >

## Conditional Access | Policies

Azure Active Directory

<< + New policy What If | Got feedback?

ⓘ New Conditional Access policies now apply to all client app types when not configured, including legacy authentication and Exchange ActiveSync. →

### What is conditional access?

Conditional Access gives you the ability to enforce access requirements when specific conditions occur. Let's take a few examples

Conditions	Controls
When any user is outside the company network	They're required to sign in with multi-factor authentication
When users in the 'Managers' group sign-in	They are required be on an Intune compliant or domain-joined device

[Want to learn more about conditional access?](#)

### Get started

- Create your first policy by clicking "+ New policy"
- Specify policy Conditions and Controls
- When you are done, don't forget to Enable policy and Create

[Interested in common scenarios?](#)

Navigation sidebar:

- Policies
- Insights and reporting
- Diagnose and solve problems
- Manage
  - Named locations
  - Custom controls (Preview)
  - Terms of use
  - VPN connectivity
  - Classic policies
- Troubleshooting + Support
  - New support request

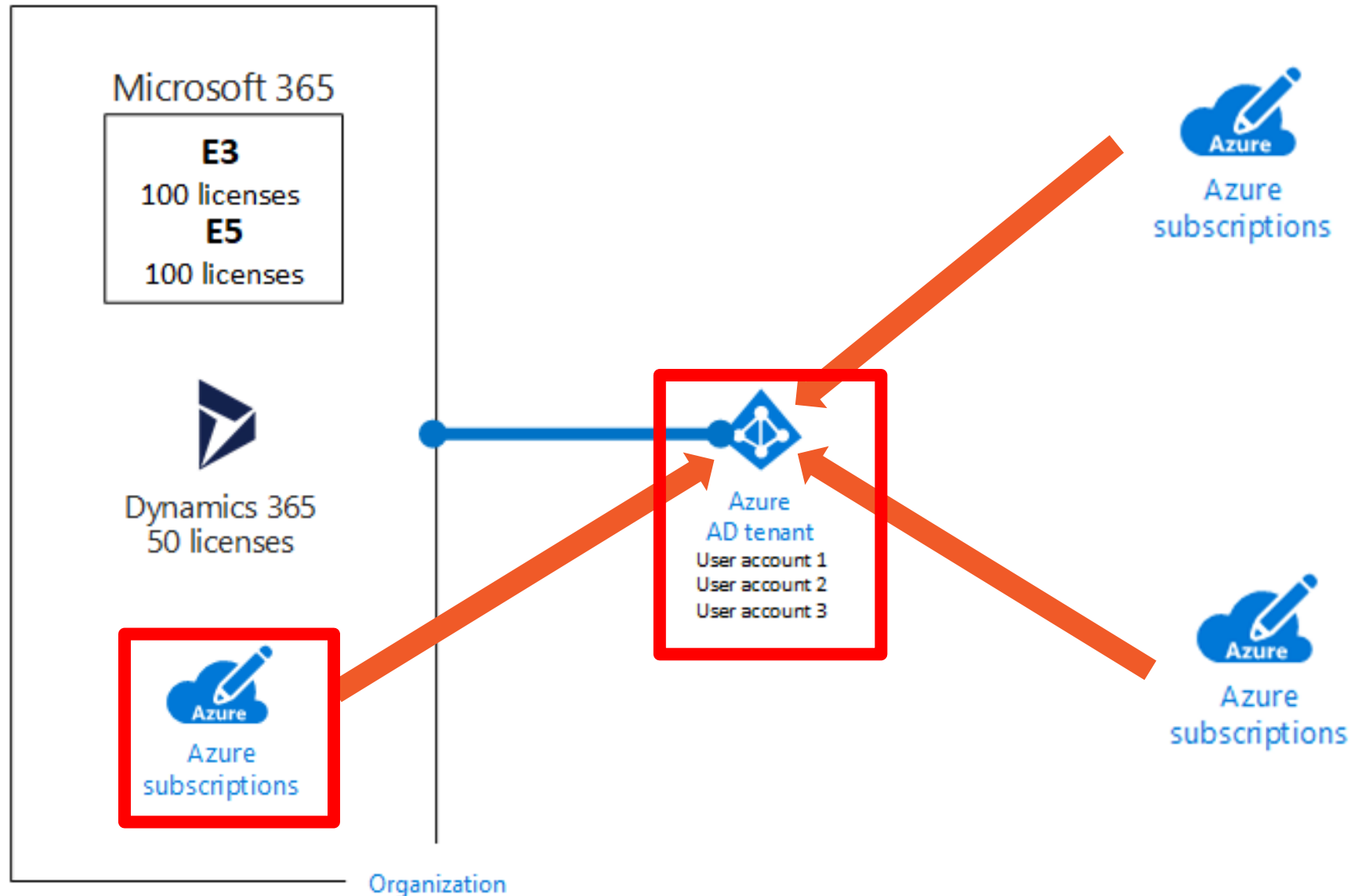


# Manage Multiple Directories

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# Azure AD Tenants, Subscriptions, and Licenses



# Demo



# 2

Configure and test SSPR

Transfer subscription to another tenant



# Summary



You will see a lot of PowerShell (and CLI to a lesser extent) on all your Azure exams

**Keep IaC and DevOps in mind**

- Microsoft DevOps certification

**Thanks!**

**Courses:** [timw.info/ps](https://timw.info/ps)

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