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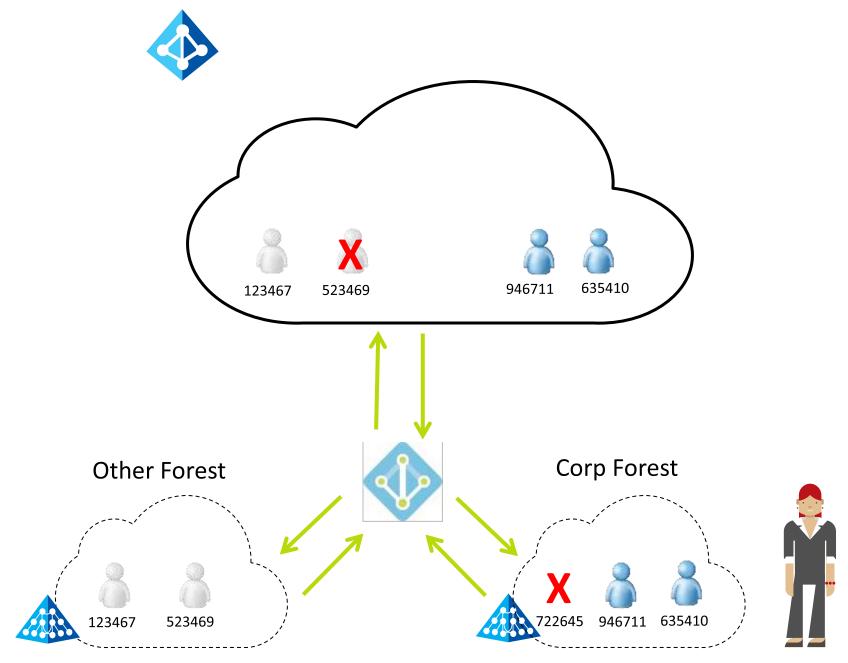
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MCT, MCT Regional Lead, Certified EC-Council Instructor

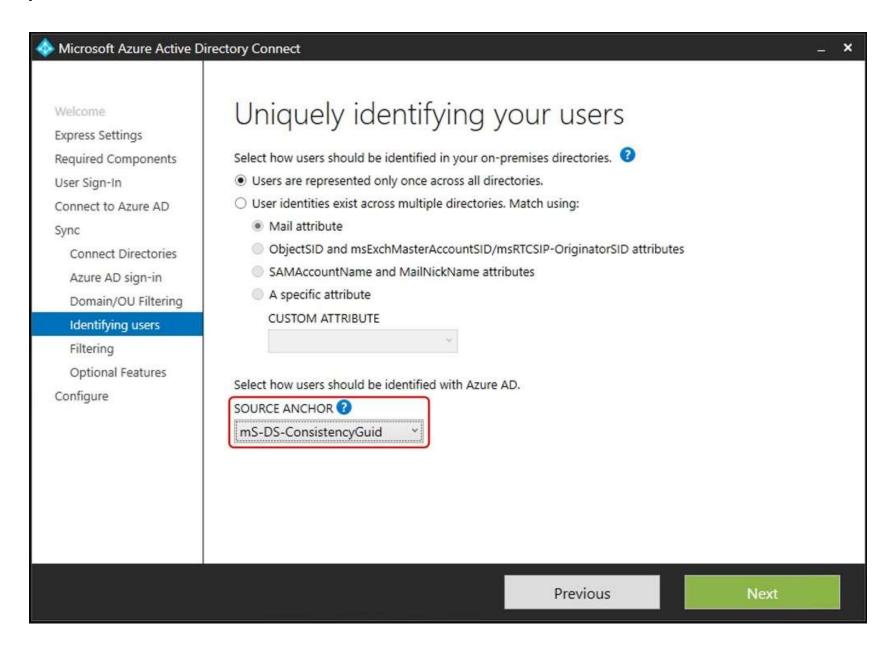
@SasaKranjac

Sync & Auth

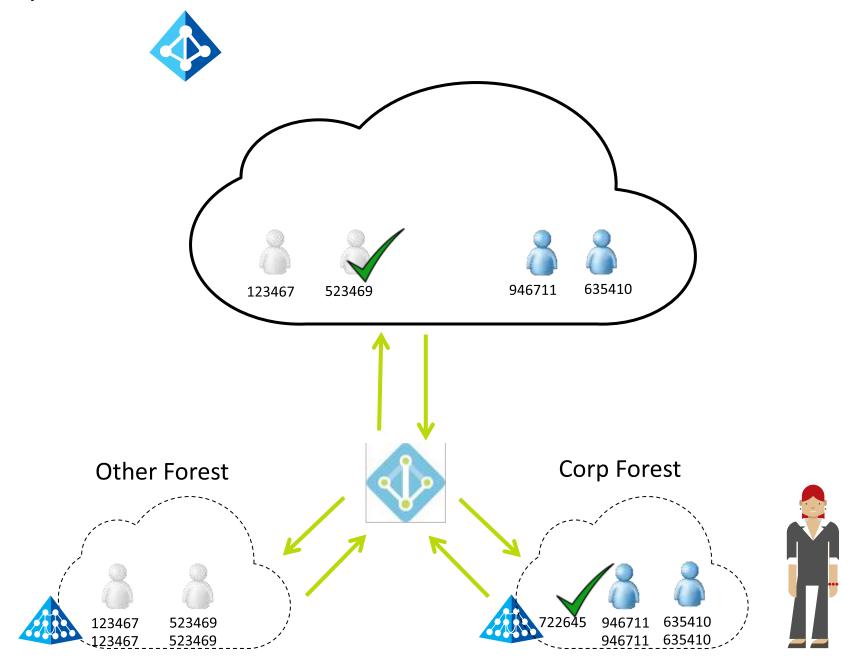
Sync Consistency GUID:



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Sync Dos and Don'ts

- Do: Plan your Upgrade
- Do: Enable Azure AD Connect Health, ADFS Health, ADDS Health
- Do: Sync what you need
- Do: Use a "<u>Consistency GUID</u>" if you are Multi-Forest

- Don't: Forget about Quota
 - 50K by default
 - 300K if you verify a domain
 - Support ticket to raise it beyond
- Don't: Forget about <u>Pass Through</u>
 <u>Auth</u> & Seamless SSO
- Don't: Have to use ADFS

Password Hash Sync

- Password Hash != Password
- You don't have to change your authentication flow
- You get Leaked Credentials Report as part of Azure AD P1
 - Pull this and all Azure AD reports into your SIEM system
- If everything goes down, this might end up saving your job
- Turn on Password Hash Sync!
- Turn on Seamless SSO

Conditional Access

What is Conditional Access?

- Goals it can help you achieve:
 - Prevent access to data from locations/clients that are undesirable
 - Prevent data download to devices that you are not comfortable with
 - Help you manage and reduce user and sign in risk
 - Reduce user friction, too many MFA prompts teach the user the wrong thing
- It's a part of your company's data loss prevention strategy
 - Intune to manage the device or the Apps
 - Azure information protection to Encrypt the data on the devices
 - Windows 10 with Windows HELLO for Business ultimately for strong auth across the board

Security Taxonomies

User Type:

Employee or Contractor or Partner

Device Type:

Managed Device or BYOD

Network Location:

Inside or Outside Network

Application:

What resources is the user accessing

Client Type:

Mobile/Desktop App or Web App

Risk Score:

• High, Medium, or Low

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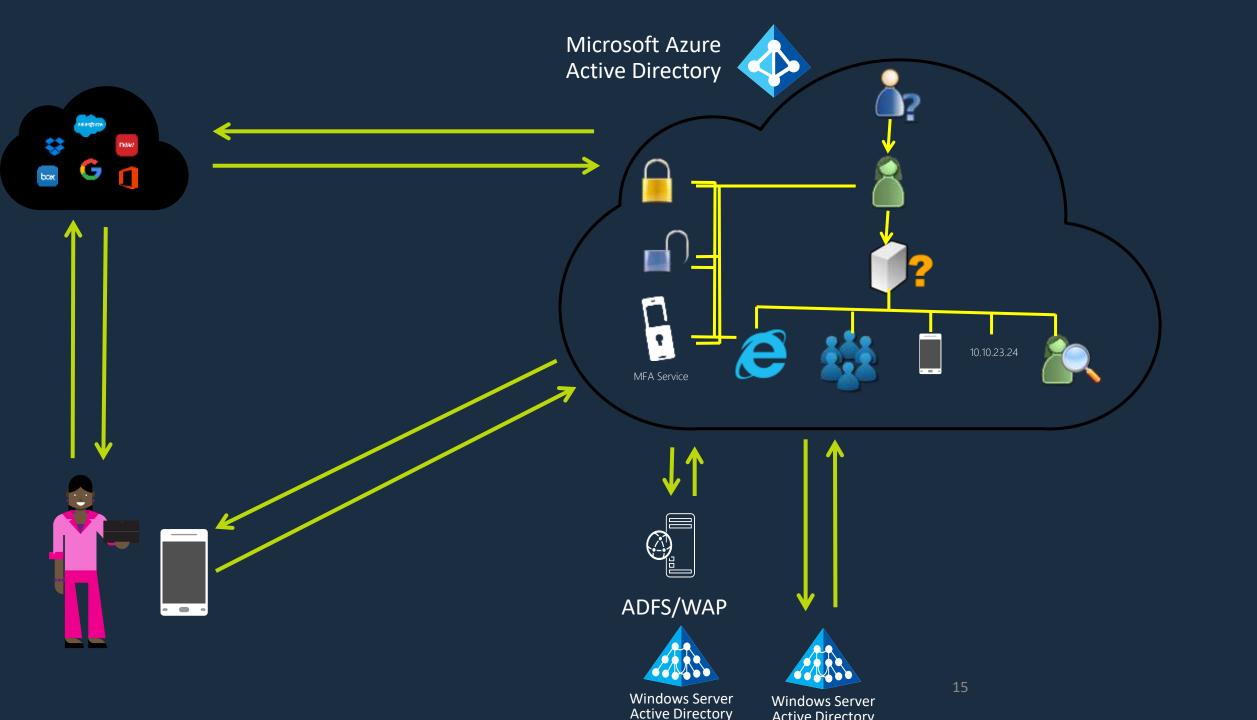
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Conditional Access Matrix

	Employee				Contractor	
Application	Inside Corp		Outside Corp		Inside Corp	Outside Corp
	Managed Device	BYO Device	Managed Device	BYO Device		
Exchange Online OWA	Just Allow	MFA	Just Allow	MFA for Medium Risk, Block for high	Require MFA	Require MFA
Outlook Desktop App	Allow with Win10 EDP or Bitlocker	MAM with PIN	Allow with Win10 EDP or Bitlocker	MAM with PIN	MAM with PIN	MAM with PIN
SharePoint Online	Just Allow	MFA and reduced session	Just Allow	MFA and reduced session	MFA	MFA and reduced session
OneDrive for Business	Allow with Win10 EDP or Bitlocker	MAM with PIN	Allow with Win10 EDP or Bitlocker	MAM with PIN	MAM with PIN	MAM with PIN

Conditional access policy	
Control user access based on conditional access policy to bring signals together, to make decisions, and enforce organizational policies. Learn more	• O
Name *	
Example: 'Device compliance app policy'	
Assignments	
Users and groups ①	
0 users and groups selected	
Cloud apps or actions ①	Selec
No cloud apps or actions selected	
Conditions ①	Inc
0 conditions selected	
Access controls	
Grant ①	
0 controls selected	
Session ①	

Include Exclude	User risk ①	Grant	>
None	Not configured	MODAL STORE FOR STORE STORE STORE STORE AND STORE STORE AND STORE STORE AND STORE STORE AND STORE STOR	
All users Select users and groups	Sign-in risk ①	Control user access enforcement to grant access. Learn more	o block or
	Not configured	O Block access	
All guest and external users ①	Device platforms ①	Grant access	
Directory roles ①	Not configured	Require multi-factor authenti	cation ①
Users and groups	Locations ① Not configured	Require device to be marked compliant ①	as
Select what this policy applies to Cloud apps User actions	Client apps ① Not configured	Require Hybrid Azure AD join device ①	ned
Include Exclude	Device state (Preview) ①	Require approved client app See list of approved client app	
None All cloud apps	Not configured	Require app protection policy See list of policy protected clie	
Select apps		Require password change ©	
		For multiple controls	
		Require all the selected contri	ols
		Require one of the selected of	ontrols

Conditional Access Dos and Don'ts

- Do: Use the Authenticator App
- Do: Exclude 1 Admin account from the policy
- Do: Enable Identity Protection
 Users respond much more
 favorably to conditional/situational
 MFA
- Do: Know how to debug Modern Auth issues
- Do: Know how to debug MFA authentications

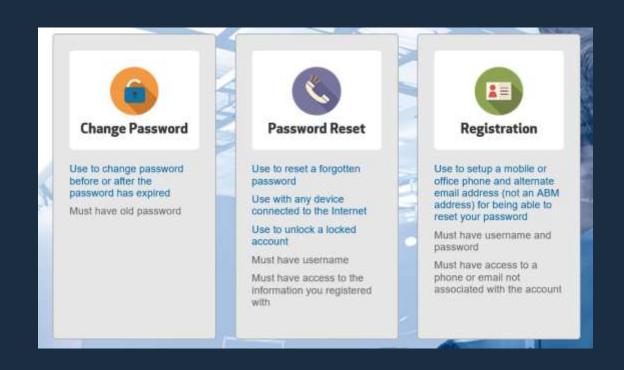
- Don't: Assume users/business units will understand why
- Don't: Forget to about the last 5%.
 But don't block on them.
- Don't: Underestimate the complexity of hybrid CA

Self-Service Password Reset

SSPR Dos and Don'ts

- Do: Get executive sponsorship
- Do: Stage using "Restrict Access to Password Reset"
- Do: Use "Require Users To Register When Signing In"
- Do: Deploy alongside an app that users want to use
- Do: Communicate to end users
- Do: consider building an SSPR
 Portal (password.company.com).

- Do: Use the PowerBI Content Pack
- Don't: test with an Administrative Account



Integrating SaaS apps with Azure AD

SaaS integration Dos and Don'ts

- Do: Use Dynamic Groups to automate entitlements
- Do: Use Provisioning when possible
- Do: Understand the subtleties of SSO:
 - SAML Identifier
 - Idle Timeout
 - Single Sign Out

- Do: Push ISVs to get in the gallery
- Do: Talk to your leadership: SSO is a security posture, not just an end user convenience issue.
- Don't: Assume all vendors understand how SSO works
- Don't: Forget about Conditional Access with SaaS

External Collaboration Controls

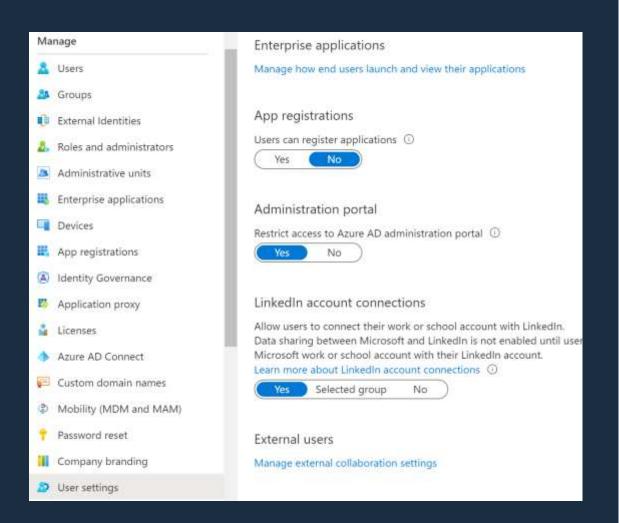
External Collaboration Controls

A principal is always created in the inviter directory referring to the principals of the external identities.

There are 2 parts to it:

- Invitation
- Redemption

Azure AD B2B Controls



Enterprise applications Users can consent to apps accessing company data on their behalf () Users can consent to apps accessing Limited company data for the groups they own Users can add gallery apps to My Apps ① (Admin consent requests Users can request admin consent to apps Yes they are unable to consent to (1) Who can review admin consent requests Reviewers Reviewer type Users Groups (Preview) Roles (Preview) Selected users will receive email Yes notifications for requests (1) Selected users will receive request expiration reminders. ① Consent request expires after (days) () -----Office 365 Settings Users can only see Office 365 apps in the Office 365 portal (i) Set up to three default applications for your end users so they can access third party resources on their first day of work. + Add application Name Status

Azure AD B2B Controls

External collaboration settings ☐ Save X Discard Guest user access Guest user access restrictions ① Learn more Guest users have the same access as members (most inclusive) Guest users have limited access to properties and memberships of directory objects Guest user access is restricted to properties and memberships of their own directory objects (most restrictive) Guest invite settings Guest invite restrictions (i) Learn more Anyone in the organization can invite guest users including guests and non-admins (most inclusive) Member users and users assigned to specific admin roles can invite guest users including guests with member permissions Only users assigned to specific admin roles can invite guest users No one in the organization can invite guest users including admins (most restrictive) Enable guest self-service sign up via user flows (1) Learn more

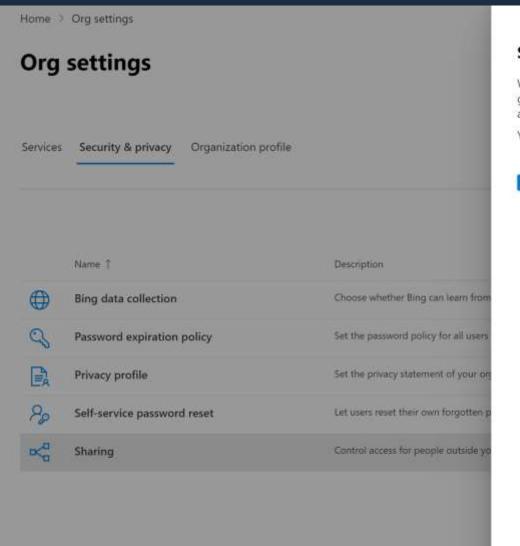
Collaboration restrictions

Allow invitations to be sent to any domain (most inclusive)

Allow invitations only to the specified domains (most restrictive)

Deny invitations to the specified domains

Office 365 Admin Portal B2B Controls



Sharing

When this setting is selected, all users can add people outside the organization as guests, so they appear on the Guest users page. When this setting isn't selected, only admins can add guests. Learn more about guests in your organization.

You can also change the external sharing settings for SharePoint.

Let users add new guests to the organization.

Quick Wins

Homework! Go home and do this

- Turn on Password Hash Sync
- Turn on MFA or use PIM (Privileged Identity Mgmt)
- Use the PowerBI Sign-On Content Pack (here)
- Next Week:
 - Turn on Azure AD Connect Health, all of them.
 - Enable Group Based Licensing
 - Enable SSPR for a Pilot set of users
 - Setup a SaaS app
 - Configure a Conditional Access Policy on it

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