15 Security zaken die 'gratis' zijn

waar bijna niemand gebruik van maakt



Even voorstellen

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Security Assessments



Gebruikte bronnen

- Centrum for Internet Security (CIS) benchmark
- Microsoft best practices
- Eigen boeren verstand



Disclaimer

Benoemde zaken komen voort uit de eerder genoemde Best Practices. Het hoeft niet zo te zijn dat dit ook de beste oplossing is bij jou of je klant.

Meningen over hoe strikt beveiliging moet worden afgedwongen verschuilt per persoon en organisatie waar het op van toepassing is.



Gratis?

- Alles via maximaal E3 licenties
- Veel ook zonder überhaupt licenties te hebben



Accounts & Authentication



Sign-in frequency / Browser sessions

Global Admins

Block Legacy AuthN

Seperate accounts



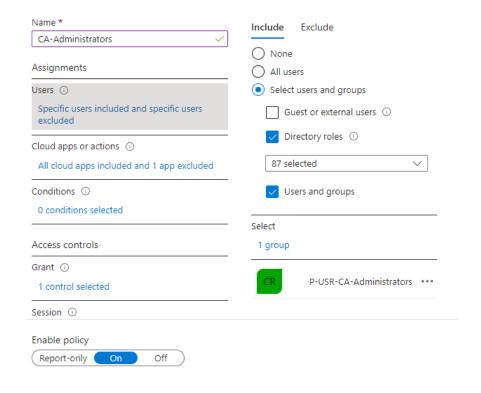
MFA/SSPR

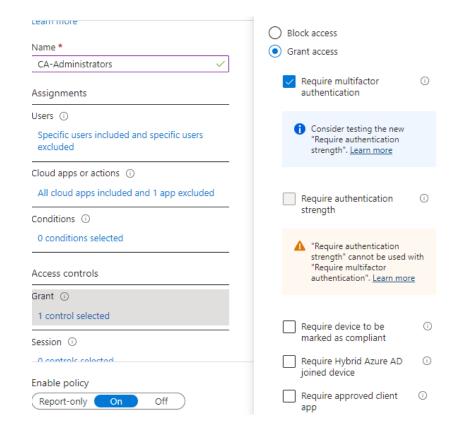
MFA & SSPR

- Begin met de administrators
 - Via Conditional Access
- Uitrollen naar iedereen in je Entra ID, ook je Guests!
 - Via Conditional Access
- Gebruik nieuwe methode (ook voor SSPR)
 - Entra ID -> Protection -> Authentication methods
- Controleer wie het allemaal in gebruik heeft staan
 - Entra ID -> Protection -> Authentication methods -> Activity
- Controleer wie Capable is
 - Entra ID -> Protection -> Authentication methods -> User registration details



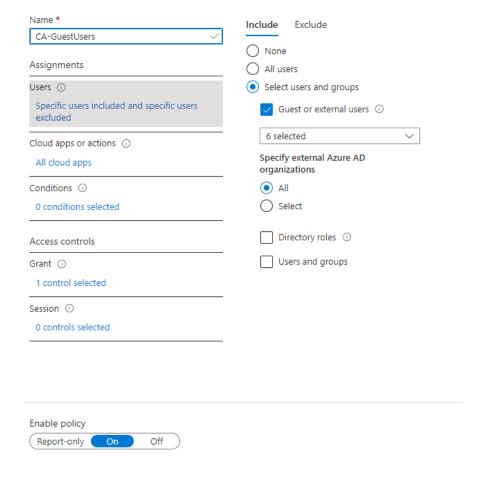
Conditional Access - Admin







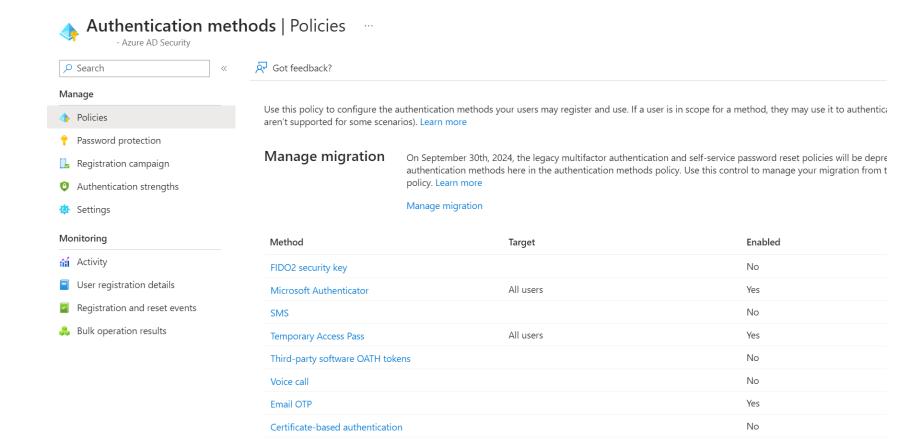
Conditional Access - Guests



Control access based on Conditional Access policy to bring signals together, to make decisions, and enforce organizational policies. Learn more	Block access Grant access		
Name * CA-GuestUsers	Require multifactor ① authentication		
Assignments Users ①	Consider testing the new "Require authentication strength". <u>Learn more</u>		
Specific users included and specific users excluded	Require authentication ①		
Cloud apps or actions ① All cloud apps	*Require authentication		
O conditions selected	strength" cannot be used with "Require multifactor authentication". <u>Learn more</u>		
Access controls			
Grant ①	Require device to be marked as compliant		
1 control selected Session ①	Require Hybrid Azure AD ① joined device		
0 controls selected	Require approved client opp See list of approved client apps		
Enable policy Report-only On Off	Require app protection opolicy See list of policy protected client apps		



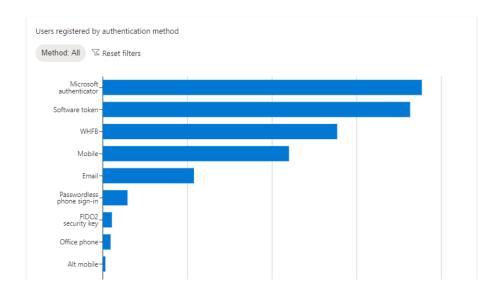
Nieuwe methodes!





Authentication methods: Activity









Authentication methods: User registration details

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Demo 1



Separate admin accounts

- Scheiding van omgevingen
- Meer lagen van beveiliging
- Beveiliging wordt enkel in de cloud toegepast (of on-prem)
- 'Local' admin account in de cloud



Teveel Global Admins

- Max 4!
- Andere rollen gebruiken
- Meer controle op gebruik
- PIM gebruiken met toestemming (E5 vereist)



Blokkeer legacy AuthN

- Via Conditional Access
- Ook binnen SharePoint!



Demo 2



Sign-in frequency / browser sessions

- Niet voor gebruikers, maar je administrators
- Global Admin bijvoorbeeld max 4 uur
- Non persistent browsersessies



Demo 3



Application permissions / Data management



Admin consent

External file sharing

Toegang tot data aan Apps

Add-ins in Office apps



Toegang aan Apps voor data en Admin consent workflow

- Meer controle
- Gebruikers doen maar wat
- Aanvragen erg simpel



Stop de gebruiker!



Consent and permissions | User consent settings

Microsoft Entra ID for workforce

Manage

- User consent settings
- Admin consent settings
- Permission classifications



Control when end users and group owners are allowed to grant consent to applications, and when they will be required to request administrator review and approval. Allowing users to grant apps access to data helps them acquire useful applications and be productive, but can represent a risk in some situations if it's not monitored and controlled carefully.

User consent for applications

Configure whether users are allowed to consent for applications to access your organization's data. Learn more

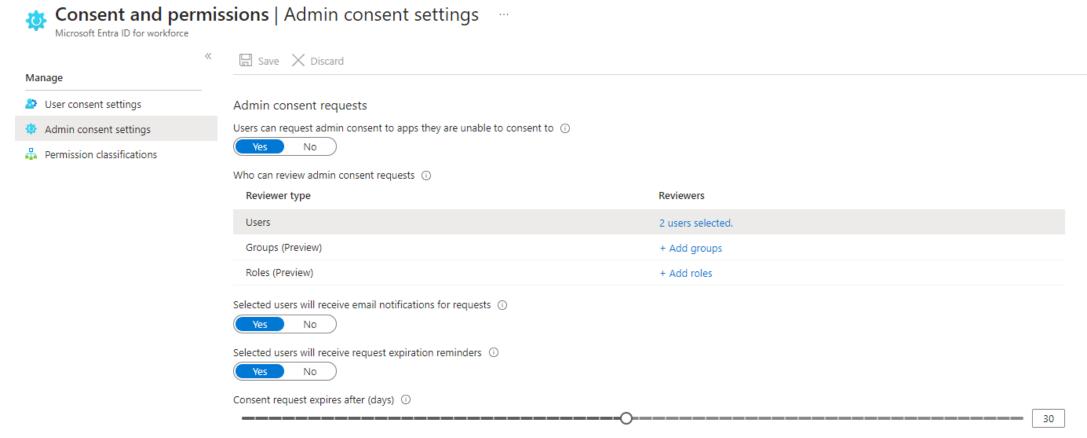
- Do not allow user consent An administrator will be required for all apps.
- Allow user consent for apps from verified publishers, for selected permissions (Recommended) All users can consent for permissions classified as "low impact", for apps from verified publishers or apps registered in this organization.
- Allow user consent for apps All users can consent for any app to access the organization's data.



⚠ With your current user settings, all users can allow applications to access your organization's data on their behalf. Learn more about the risks Microsoft recommends allowing user consent only for verified app publishers or apps from your organization, for permissions you classify as "low impact". Learn more



Bring in Admin workflow!





Demo 4

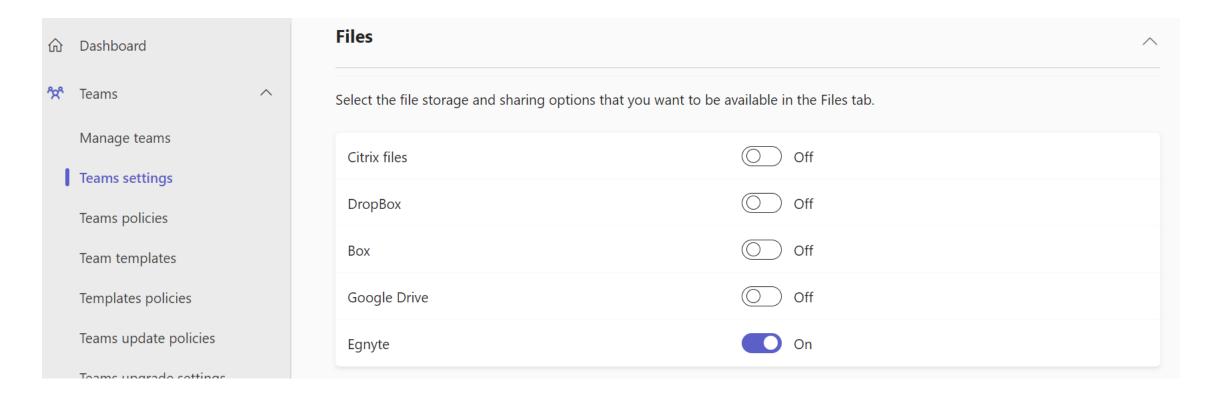


External file sharing

- Teams (en daarmee SharePoint)
- Third party cloud services
- Staat aan by default!



External file sharing



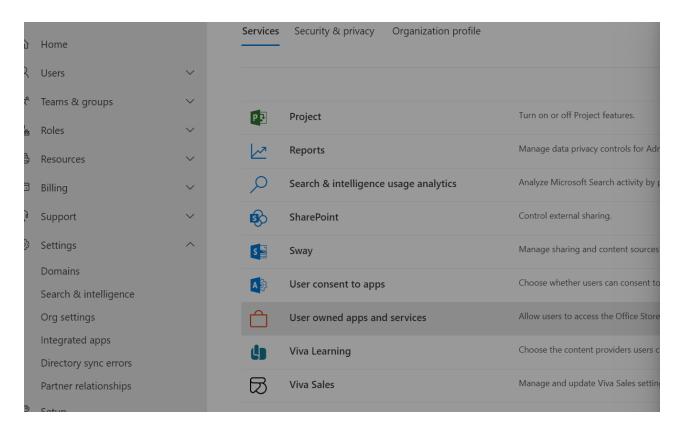


Add-ins in Office apps

- Geen inzicht in welke gebruikt worden
- Geen zicht op gebruik van data
- Veel malafide gewoon beschikbaar
- Blokkeer in Outlook, Word, Excel, PowerPoint
 - Outlook in nieuwe admin center!



Add-ins in Office apps



User owned apps and services

Choose whether users in your organization can access the Office Store and create Microsoft 365 trial accounts.

Let users access the Office Store

Allow people in your organization to access the Office Store using their work account. The Office Store provides access to apps that aren't curated or managed by Microsoft.

Let users start trials on behalf of your organization

Allow people in your organization to start trial subscriptions for apps and services that support trials. Admins manage licenses for these trials in the same way as other licenses in your organization. Only admins can upgrade these trials to paid subscriptions, so they won't affect your billing.

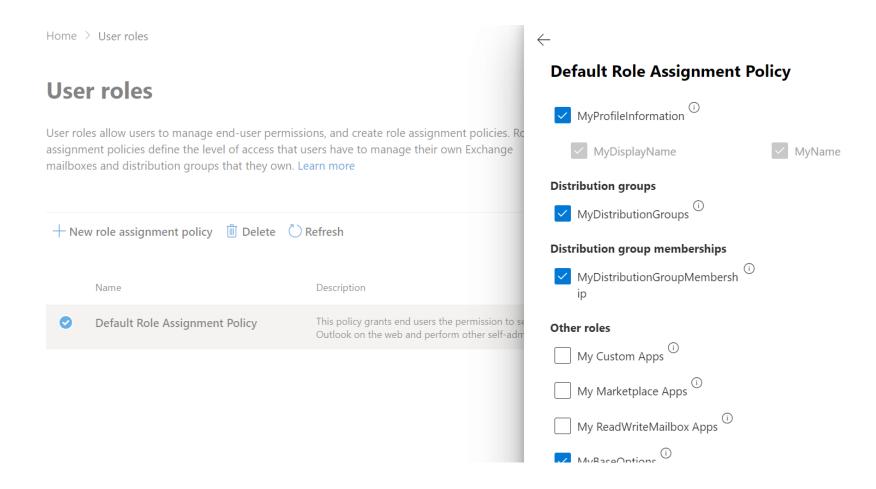
Let users auto-claim licenses the first time they sign in

Allow users to automatically claim a product license the first time they sign in to an app. To use this setting, select it here and then create an auto-claim policy.

In the autoclaim-policy, you'll set which app a person uses to claim a license, and which product the license will come from. To create an auto-claim policy, go to Billing > Licenses - Auto-claim policy.



Add-ins in Office apps





Email security / Exchange Online



Spam policies

SPF, DKIM, DMARC

Welke domeinen wel, en welke niet?

Email forwarding



Spam policies

- Niet ingesteld
- Niet voldoende ingesteld
- Geen notificatie



Email forwarding

- Veel gebruikte methode door hackers
- Geautomatiseerde doorsturen
- Handmatig doorsturen kan nog wel



Demo 5



SPF, DKIM, DMARC

- Vaak alleen SPF
- Vaak alleen op de emaildomeinen
- SPF en DKIM makkelijk in te stellen
- Voor DMARC aanvullende tool nodig
 - Dmarcian en Valimail



Welke domeinen wel, en welke niet?

Alle domeinen die in je bezit zijn!

Het feit dat jij niet via die domeinen mailt, betekent niet dat een ander dat niet doet!

Echter zit jij met de reputatieschade!



Storage / Mobile Device Management



Mobile Devices

OneDrive op unmanaged devices

External storage in OotW



OneDrive op unmanaged devices

- Toegestaan by default
- Data valt in zwart gat
- Data kan achterblijven
- Data kan niet gewist worden op afstand
- Grootste risico is de gebruiker



Demo 6



External storage in OotW

- Outlook on the Web
- Opslag van bijlages
- Staat aan by default



Mobile Devices

- Hebben geen wachtwoorden
- Mogen wachtwoorden hergebruiken
- Mogen jailbroken of rooted zijn
- Hebben geen sterke wachtwoorden
- Etc.
- Etc.
- Etc.
- Etc.



Dank jullie wel!

Vragen?

