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Partner and Princial Cloud Architect
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How good is your security?

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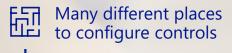
Information is your most attractive target



Most enterprises report using more than 60 security solutions

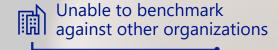
Challenges in defense/ security management













Assess your current situation

https//securescore.microsoft.com





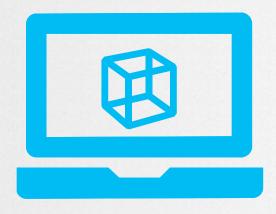








Secure Score





Score-based framework

Calculates a security score based on current security settings and behaviours and compares it to a baseline asserted by Microsoft



Insights into your security position

One place to understand your security position and what features you have enabled



Guidance to increase your security level

Learn what security features are available to reduce risk while helping you balance productivity and security











Identity Secure Score

Monitor and improve your identity security score. To view your overall score, go to M365 Secure Score. Last updated 6/1/2019, 2:00:00 AM 6 Your Identity Secure Score 171/263 Your score is above the average for your company's industry. 171 Skanke Domain Technology industry company average 25 Typical 0-5 person company Change industry





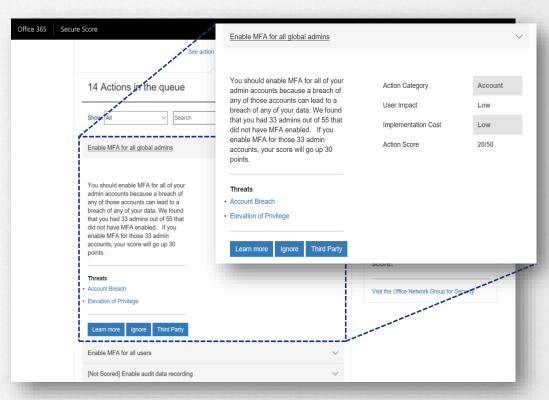






Enable controls through Secure Score

Get more details and enable control or take you to where you can enable











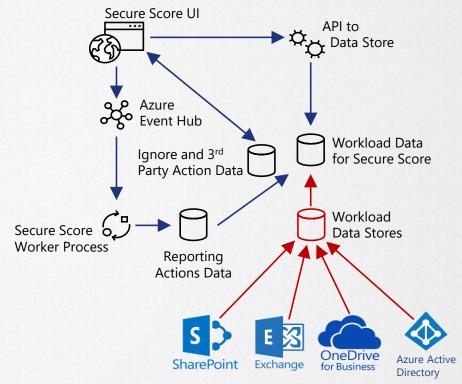


How scores get calculated

Nightly process collects telemetry from workloads

Ignore and 3rd party information is stored in another location

Reviewing report data is anonymized and store separately

























Device Trust













Device Trust

MAM vs MDM?













Device Trust

MAM vs MDM?

Health and Compliance?











Device Trust

MAM vs MDM?

Health and Compliance

Data Security







Identity Based Security

Identity driven approach

MFA / Conditional Access

Risk

Can we trust their device?



Who and What are accessing your data?









Getting the basics rights



Strengthen your credentials

MFA reduces compromise by 99.99%



Reduce your attack surface Blocking legacy authentication reduces compromise by 66%.



Automate threat response

Implementing risk policies reduces compromise by 96%



Increase your awareness with auditing and monitor security alerts

Attackers escape detection inside a victim's network for a median of 101 days. (Source: FireEye)



Enable self-help for more predictable and complete end user security

60% of enterprises experienced social engineering attacks in 2016. (Source: Agari)









"Less than 2% of tenant admins have MFA enabled"







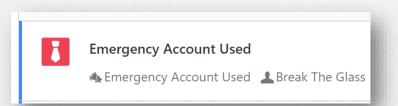




Secure Privileged Access

- Create a "Break The Glass" account
- Setup MFA on "all" Privileged roles
- Use AAD Privileged Identity MGMT
- Monitor usage Alerting









Secure ALL your users

Enable MFA the Right Way

Use Conditional Access

Protect ALL your apps

Trust on Device Level

Risk Based Policies

MDATP and AAD Identity Protection



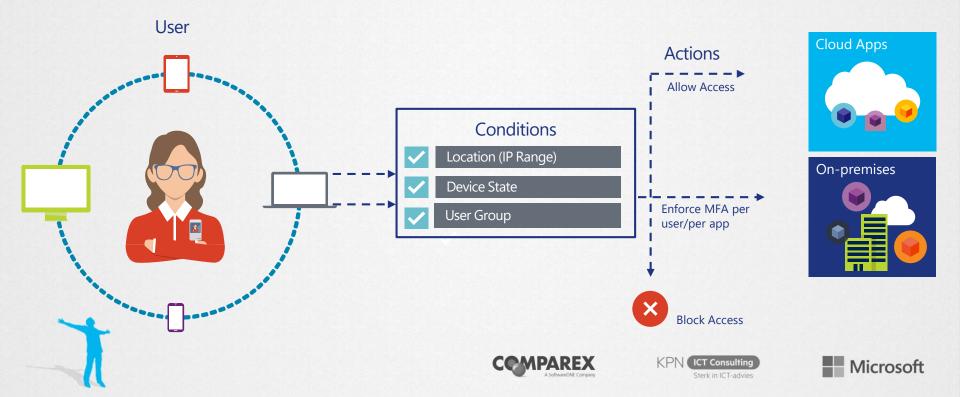






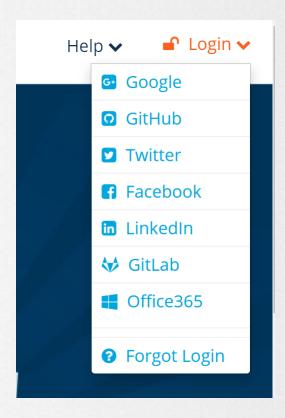


Conditional Access





What about those Oauth Apps?













MICROSOFT 365

What about those Oauth Apps?









Forgot Login









MICROSOFT 365



Microsoft

jks@skanke.net

Tillatelser forespurt

Automate.io Appinfo

Denne appen ønsker å:

- ✓ Maintain access to data you have given it access to
- Read and write to your mailbox settings
- Read and write to your and shared tasks
- Read and write to your and shared contacts
- Read and write to your and shared calendars
- Read and write mail you can access
- ✓ Sign you in and read your profile
- Read and write access to your mail
- ✓ Send mail as you
- ✓ Have full access to your calendars
- ✓ Have full access of your contacts
- ✓ Create, read, update and delete your tasks and projects

Ved å godta disse tillatelsene tillater du at denne appen kan bruke dataene som angitt i villkårene for bruk og personvernerklæringen. Du kan endre disse tillatelsene på https://myapps.microsoft.com. Vis detaljer

Avbryt

Godta











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SO WHO IS ACCESSING YOUR COMPANY DATA?











Controlling Oath Apps with MCAS

DEMO











Moving to Device Trust











Configure Conditional Access

Require MFA for all unknown Windows devices Require Managed App on Mobile

Zero Trust Network: No need to trust your local network.

Enable Baseline Policy for Admins

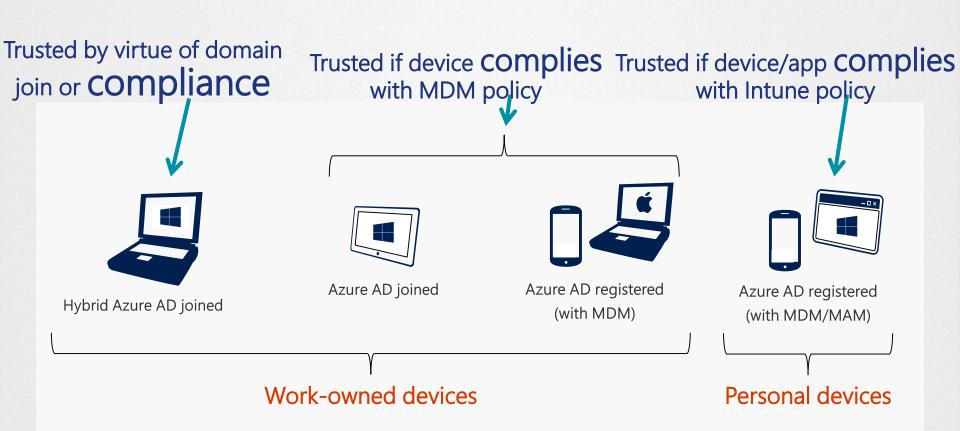
Block Legacy Auth with Policy











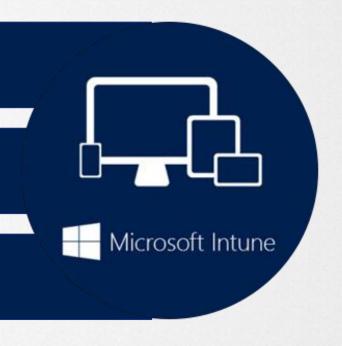


Utilize Microsoft Intune

Setup Configuration Policies

Setup Compliance Policies

Compliant Device

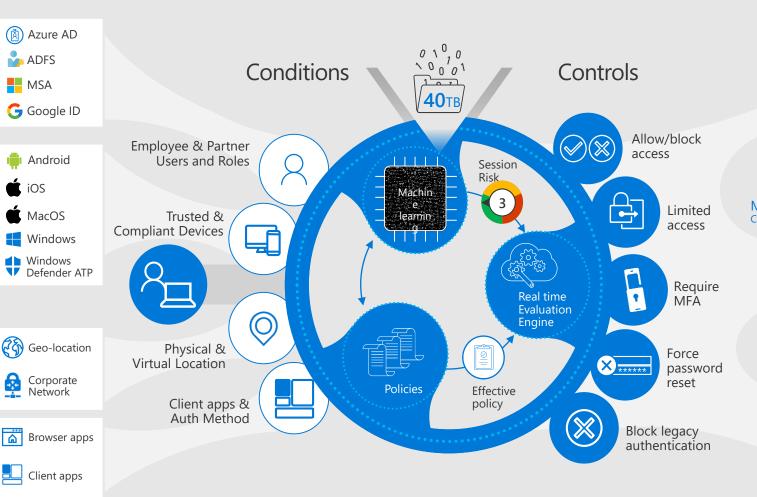














Microsoft Cloud



Cloud SaaS apps



On-premises apps



Conditional Access

DEMO









Intune App Protection for Mobile Devices

Independent of Mobile Device Management









Why Intune App Protection for Mobile Devices

Independent of Mobile Device Management

Protecting Data at App Level











Independent of Mobile Device Management

Protecting Data at App Level

End User Productivity not Affected









Why Intune App Protection for Mobile Devices

Independent of Mobile Device Management

Protecting Data at App Level

End User Productivity not Affected

Separate Work from Private

crosoft

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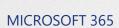
Independent of Mobile Device Management

Protecting Data at App Level

End User Productivity not Affected

Separate Work from Private

crosoft









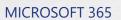


Enables BYOD









Enables BYOD

Non-intrusive Management









Enables BYOD

Non-intrusive Management

Full Privacy











Enables BYOD

Non-intrusive Management

Full Privacy

Works on all iOS and Android Devices











Enables BYOD

Non-intrusive Management

Full Privacy

Works on all iOS and Android Devices





Enables BYOD

Non-intrusive Management

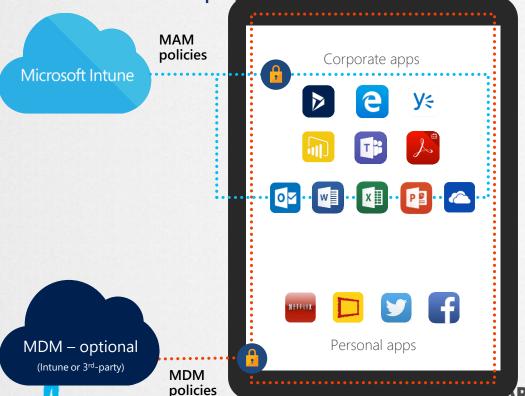
Full Privacy

Works on all iOS and Android Devices

Corporate Data Secured



Intune App Protection Policies (APP)



Comprehensive protection

- App encryption at rest
- App access control PIN or credentials
- Save as/copy/paste restrictions
- App-level selective wipe

MDM mgmt. by Intune or third-party is optional

Might be a good solution for these scenarios:

- BYOD when MDM is not required
- Extending app access to vendors and partners
- Already have an existing MDM solution





App Protection Policies

The Broker App(s)

Conditional Access Policies









The Broker App(s)

Registers the device in AAD

Android: Intune Company Portal

iOS: Microsoft Authenticator







3.4★★★☆☆

No11

Productivity

vity Age

What's New

Version History

Version 6.0.4

8 Ratings

1w ago

Announcing the Apple Watch companion app!
You can now approve notifications on your Watch. To
get started, open the Microsoft Authenticator more

Preview

Sign in



No pass





Conditional Access Policies

Require Managed Apps









Block Exchange Active Sync







Require Managed Apps

Block Legacy Authentication





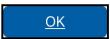
iks@skanke.net

You can't get there from here

It looks like you're trying to open this resource with an app that hasn't been approved by your IT department. Ask them for a list of approved applications.

Sign out and sign in with a different account

More details



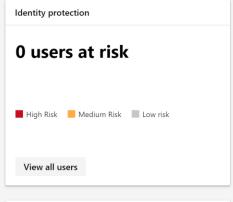
You are welcome to log in :)

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security.microsoft.com





Cloud App Security - OAuth apps

High Medium Low

App Security





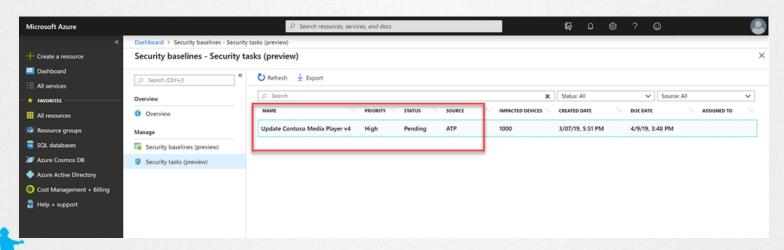






Intune Security Tasks

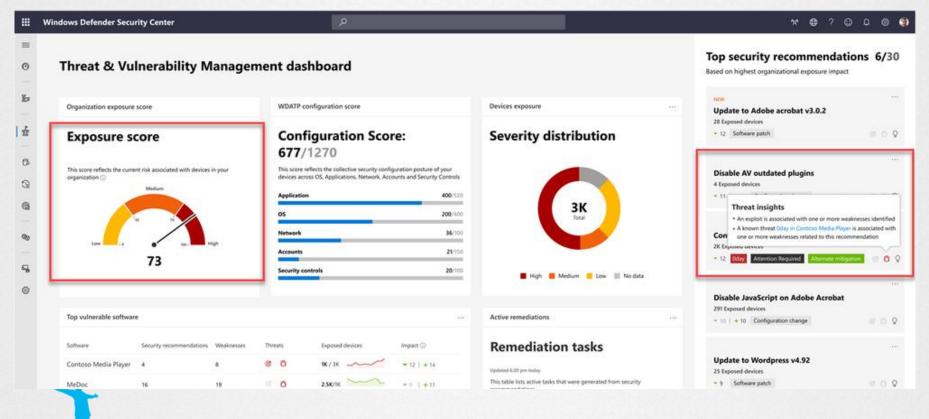
Intune Admin get tasks assigned from SecOps Integrated with Microsoft Defender ATP







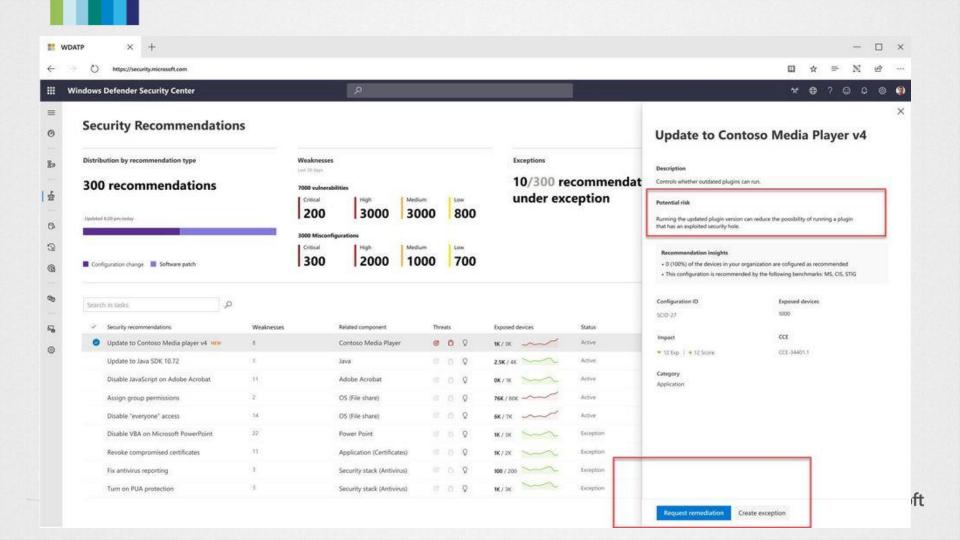


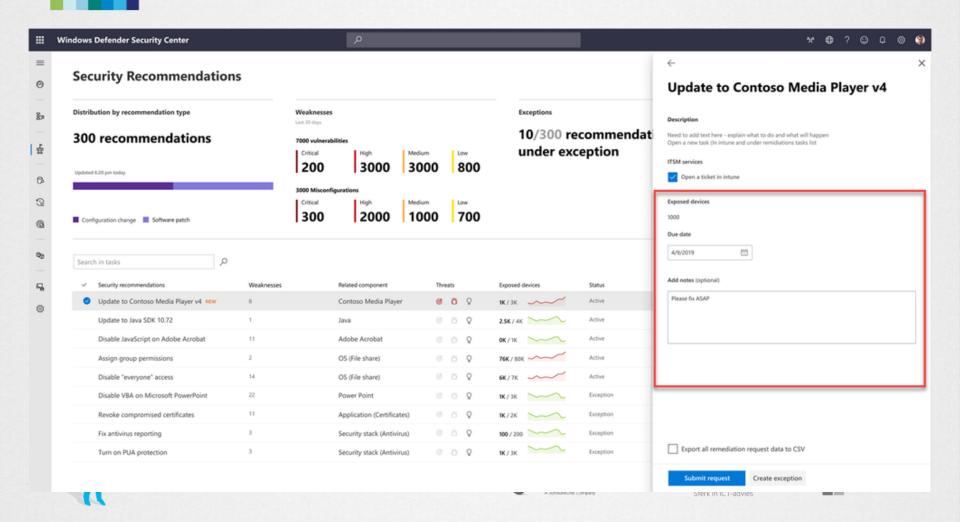


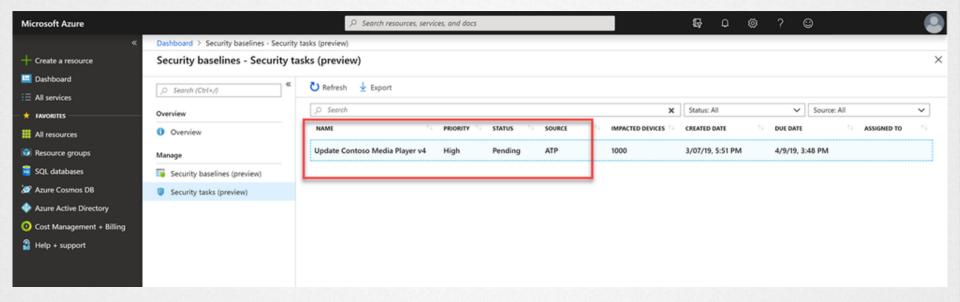










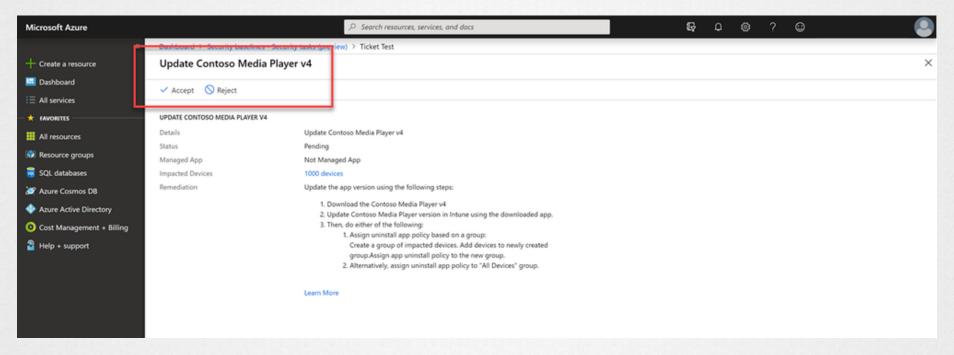










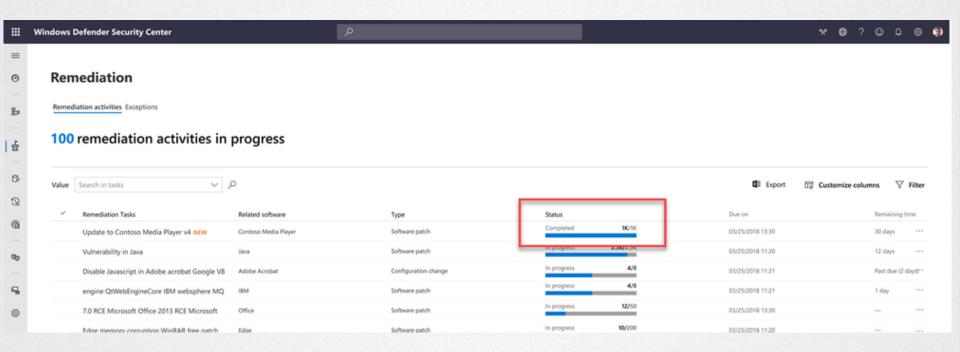




















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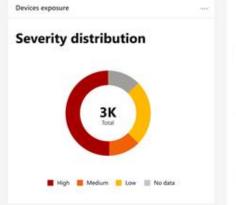
Microsoft

Threat & Vulnerability Management dashboard











Active remediations

COMPAREX

Top security recommendations 6/30

Based on highest organizational exposure impact



Disable VBA on Microsoft

65 Exposed devices

ICT Consulting

Sterk in ICT-advies



Top vulnerable software



DEMO











Log Analytics

Export logs to Log Analytics

Store logs in Storage Account

Stream to Event Hub (forward to SIEM)

Diagnostics settings
☐ Save ★ Discard 🗓 Delete
* Name
Archive to a storage account
Stream to an event hub
Send to Log Analytics

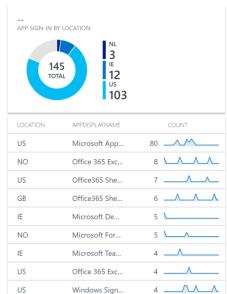




Logs logs logs







APP SIGN-IN BY LOCATION







Windows Sign...

Graph explorer

NL

See all





DEMO











Yellenge

Thank You

Remember to evaluate my session



