IT DOES THAT TOO?

HIDDEN GEMS IN M365

Ray Kase
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K12 Tech Solutions, LLC

ROADMAP

- Intro
- CH-CH-CH-Changes
- M365 For Everyone!
- Security
- Purview
- Intune (Microsoft Endpoint Manager)
- Teams
  - Apps
- School Data Sync
- Stream
- Sway
- Azure
  - Azure AD
  - OAUTH

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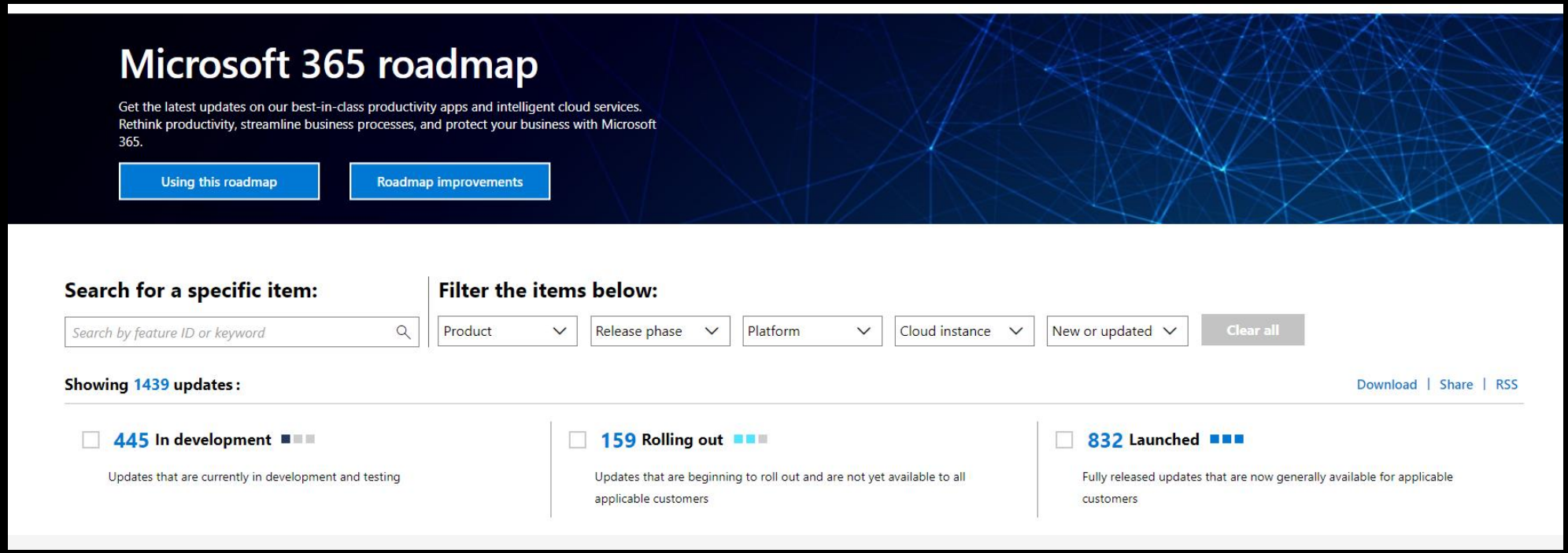
INTRO

- About Me
  - 20 Years as Director/CIO in K-12 and Local Government
  - K12 Tech Solutions, LLC
    - E-Rate RFPs
    - On-Prem Infrastructure (Windows/AD/Hyper-V/SCCM)
    - Cloud (M365/Azure/Service Migrations/Intune/Teams)
    - Security (Vulnerability Management/L1-L3 Assessments)
    - Department Analysis (Staffing/Service Delivery)

    - ray@k12techsolutions.net / 570-209-9486 / https://k12techsolutions.net/services

CH-CH-CH-CHANGES

- M365 is constantly changing with new features added every month.
  - Microsoft 365 Roadmap | Microsoft 365



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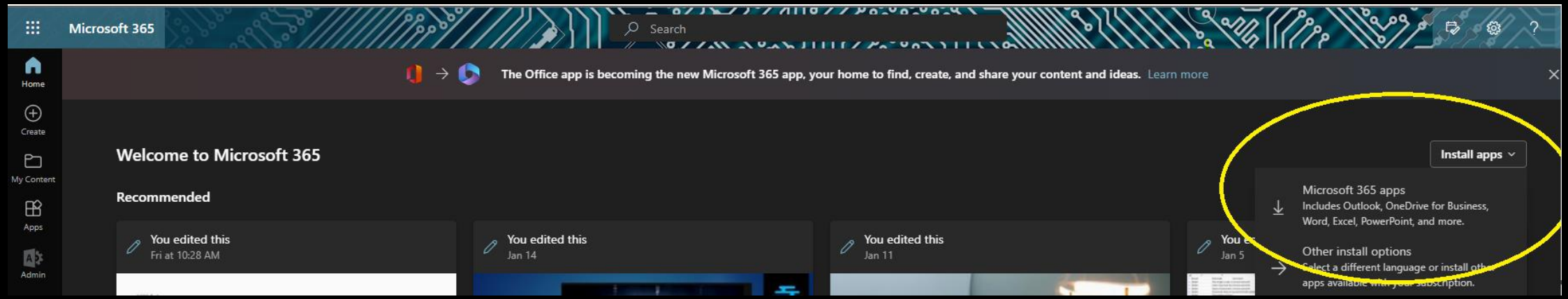
M365 FOR EVERYONE!

- 5 Free Installations for Every Employee, Student (Family)
  - Windows/Mac/iPad



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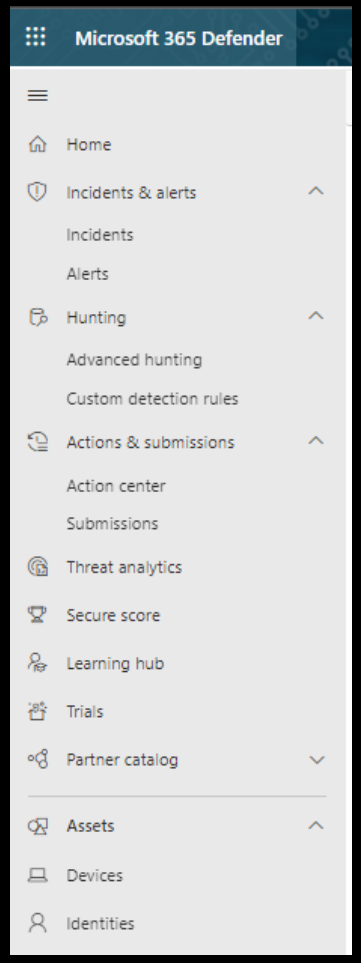
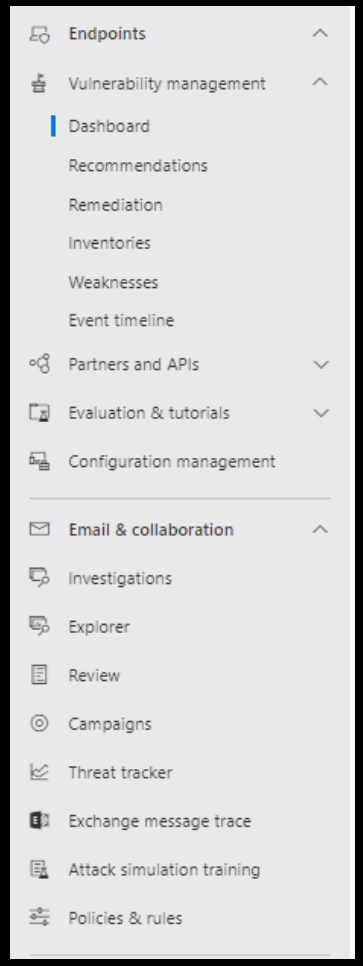
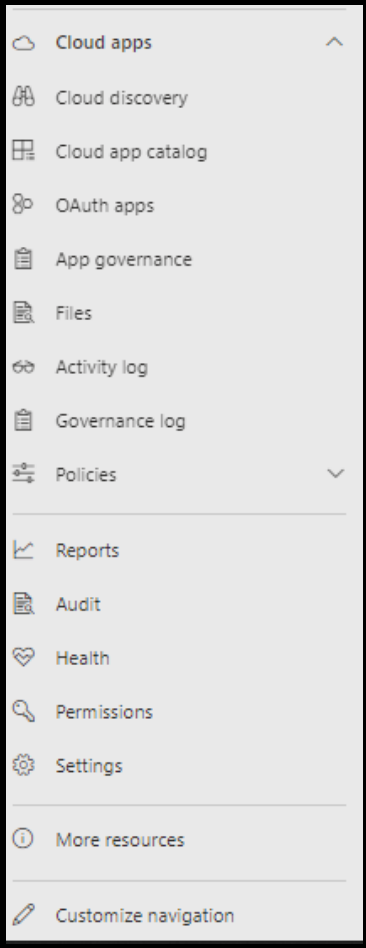
SECURITY (M365 DEFENDER)

- More than Just Virus Protection!







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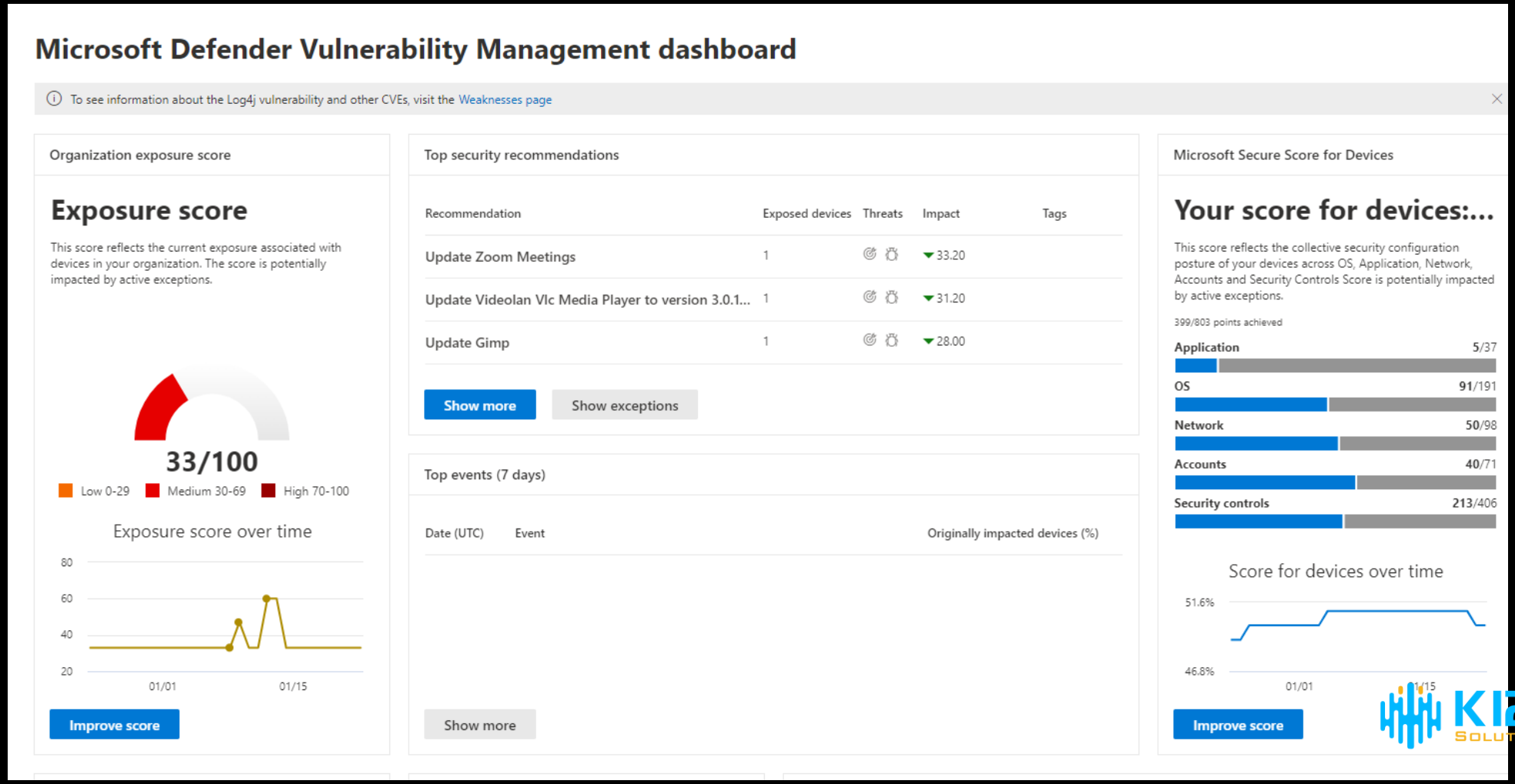

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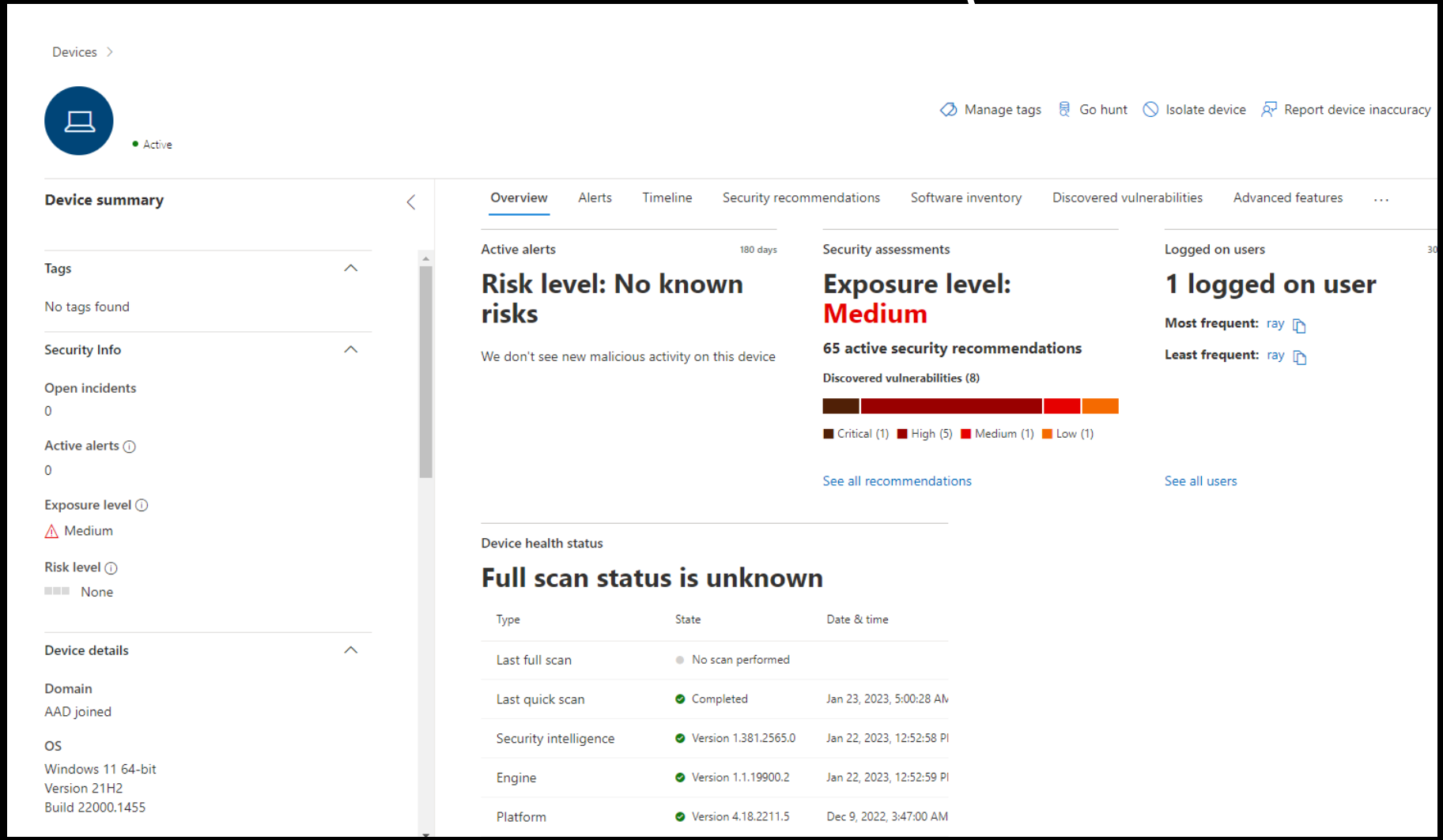

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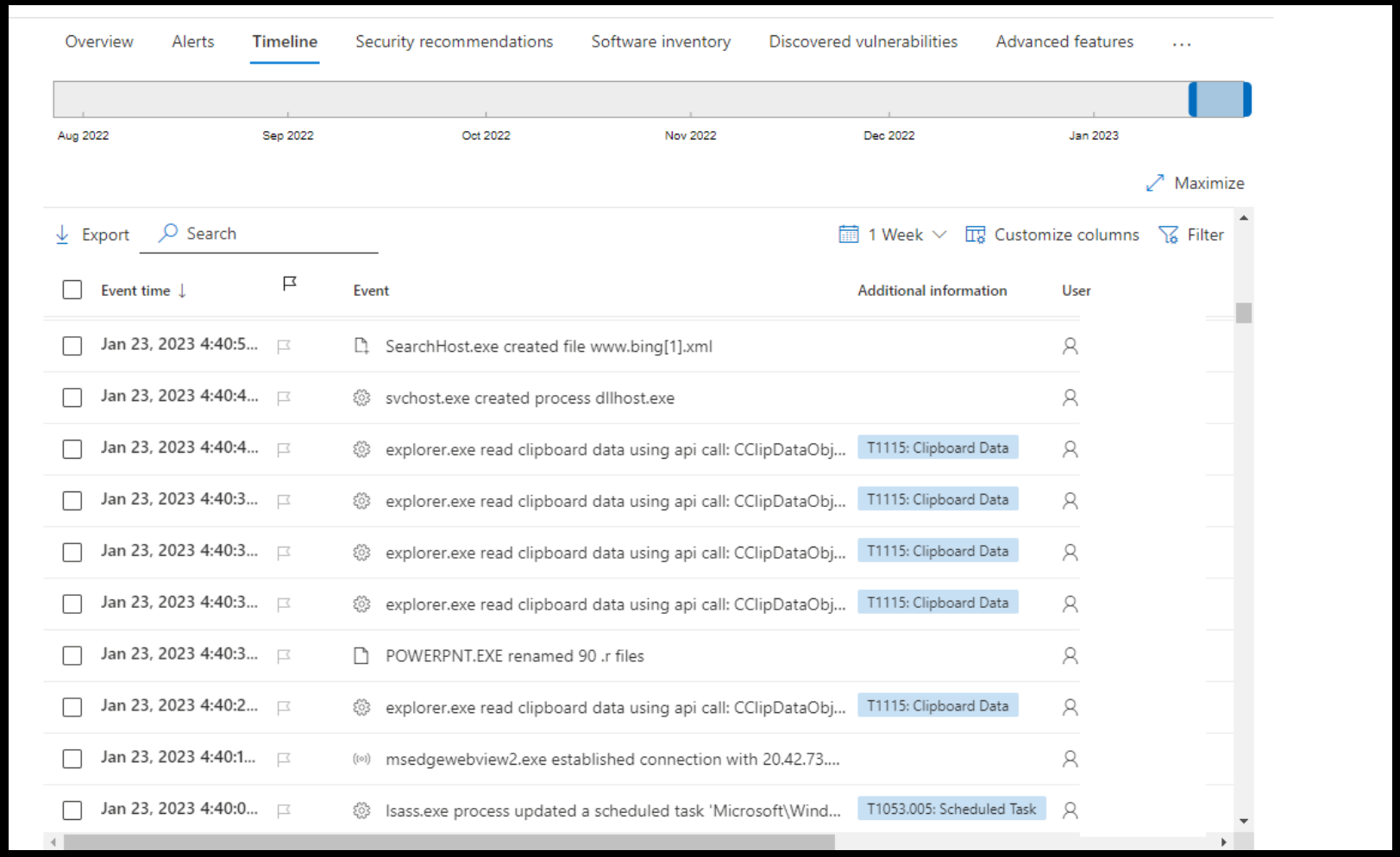

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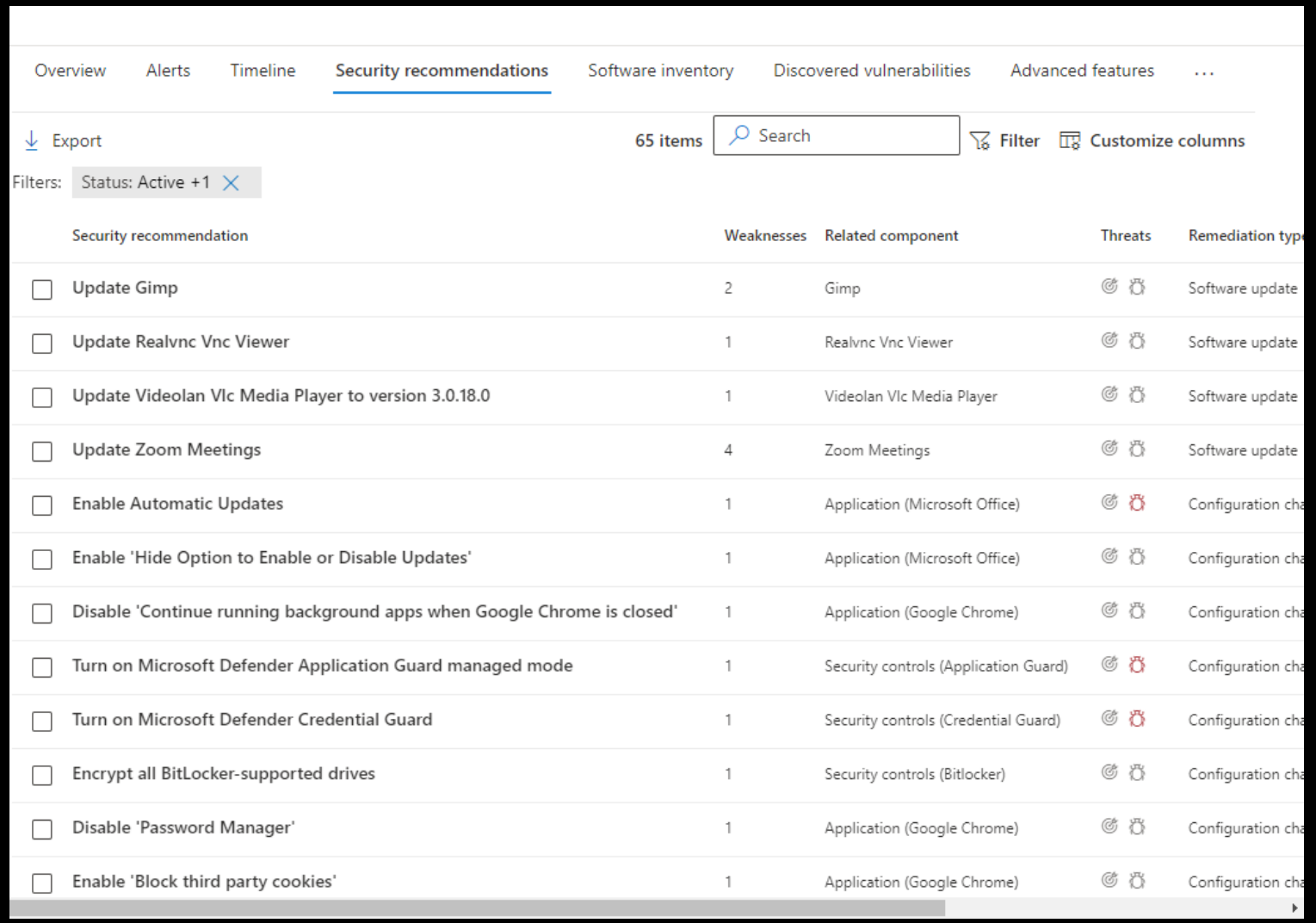

Security recommendation	Weaknesses	Related component	Threats	Remediation type
Update Gimp	2	Gimp		Software update
Update Realvnc Vnc Viewer	1	Realvnc Vnc Viewer		Software update
Update Videolan Vlc Media Player to version 3.0.18.0	1	Videolan Vlc Media Player		Software update
Update Zoom Meetings	4	Zoom Meetings		Software update
Enable Automatic Updates	1	Application (Microsoft Office)		Configuration cha
Enable 'Hide Option to Enable or Disable Updates'	1	Application (Microsoft Office)		Configuration cha
Disable 'Continue running background apps when Google Chrome is closed'	1	Application (Google Chrome)		Configuration cha
Turn on Microsoft Defender Application Guard managed mode	1	Security controls (Application Guard)		Configuration cha
Turn on Microsoft Defender Credential Guard	1	Security controls (Credential Guard)		Configuration cha
Encrypt all BitLocker-supported drives	1	Security controls (Bitlocker)		Configuration cha
Disable 'Password Manager'	1	Application (Google Chrome)		Configuration cha
Enable 'Block third party cookies'	1	Application (Google Chrome)		Configuration cha

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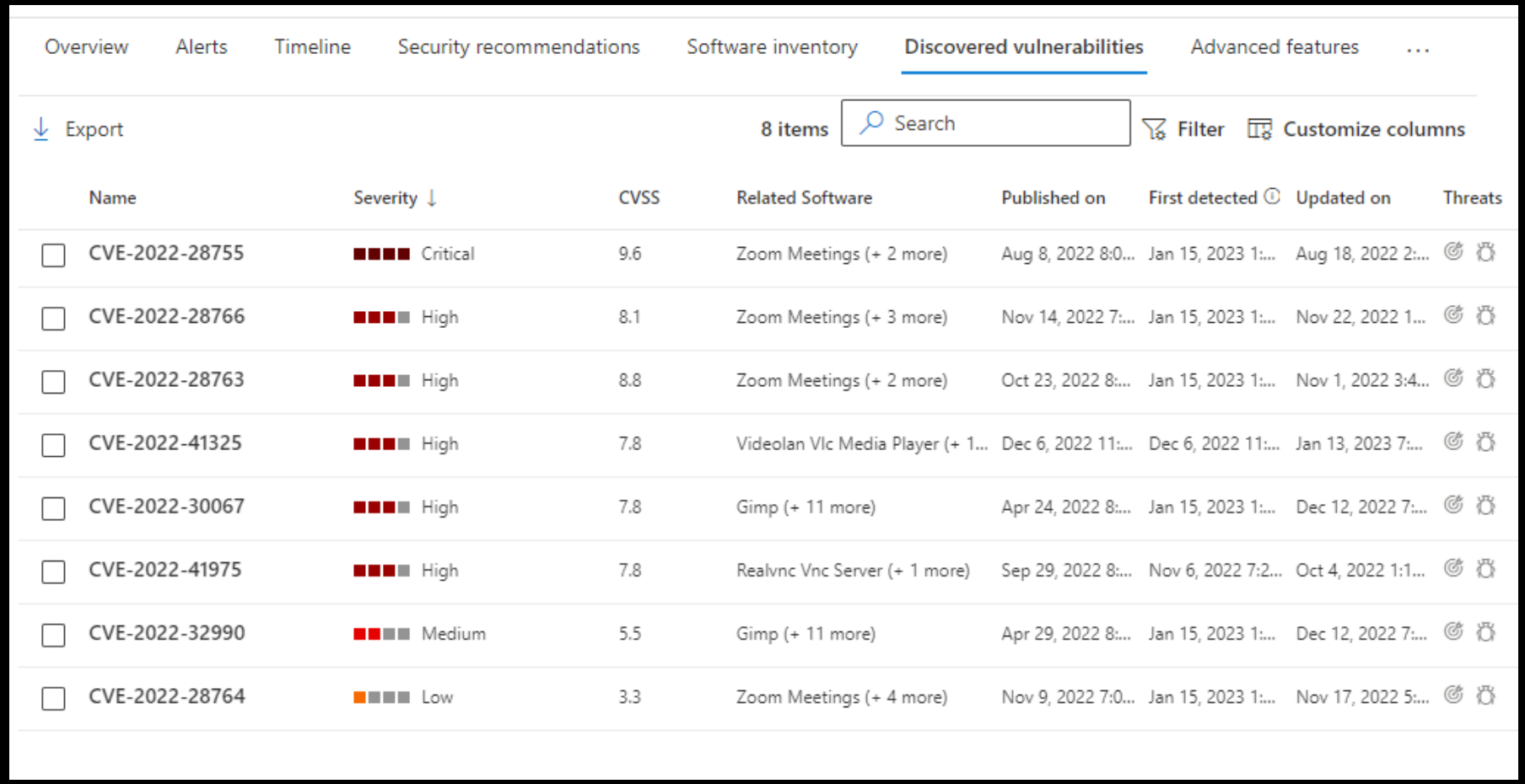
SECURITY (M365 DEFENDER)



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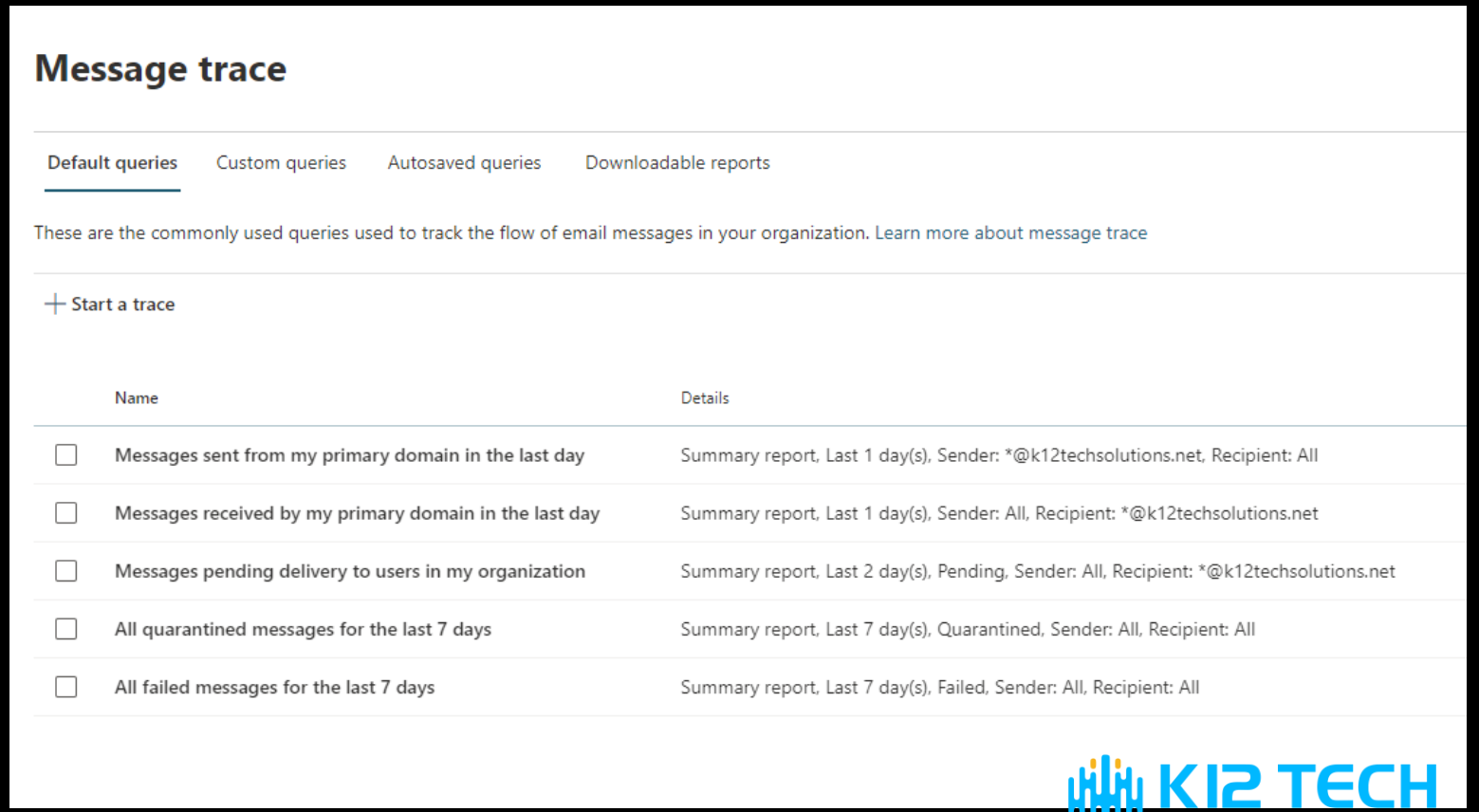
SECURITY (M365 DEFENDER)

- Message Trace is now in the Defender Blade
- eDiscovery is now in the Purview Blade



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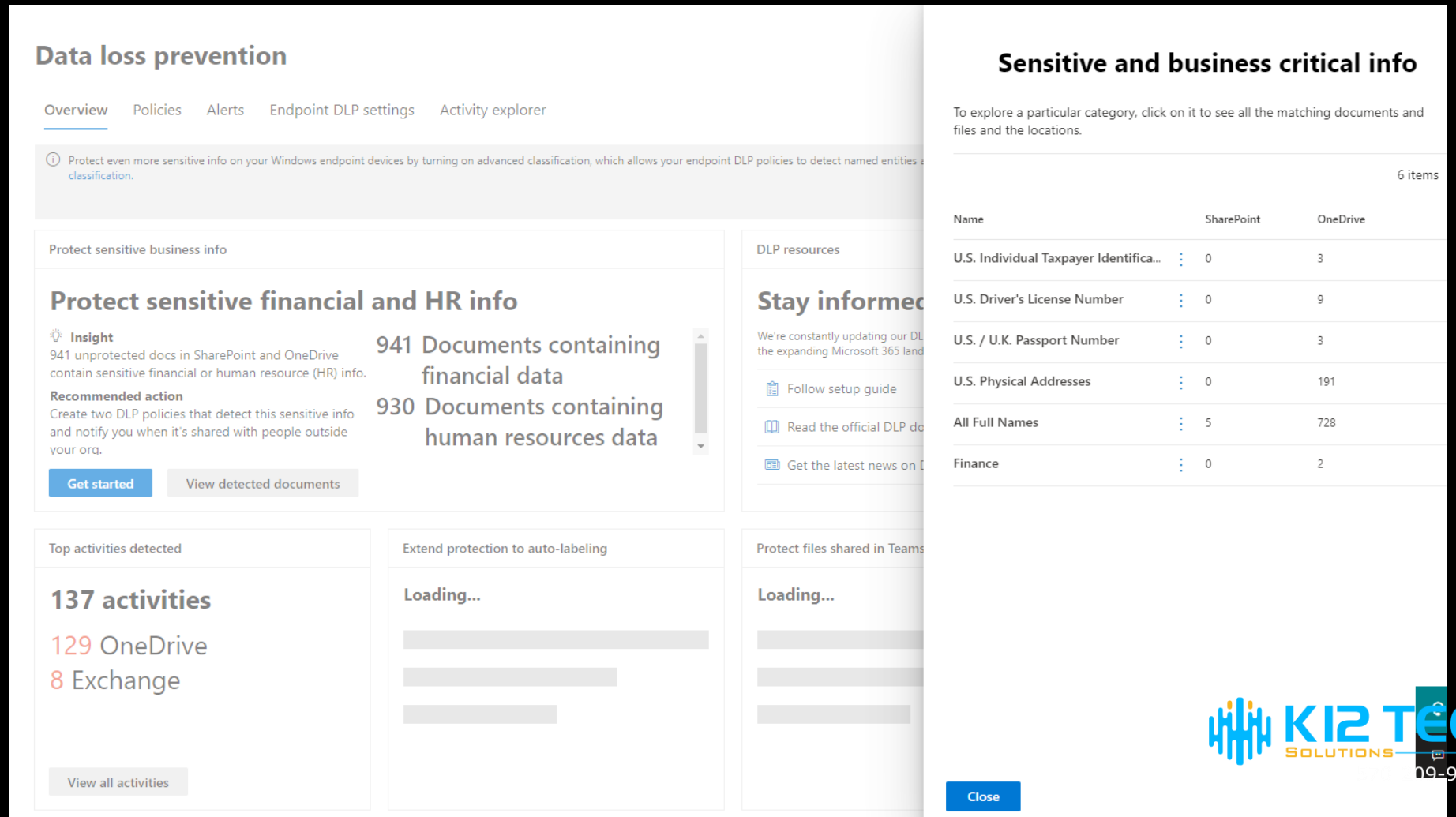
MICROSOFT PURVIEW (COMPLIANCE)

- Data Loss Prevention (DLP)
- eDiscovery (covers ALL of M365)



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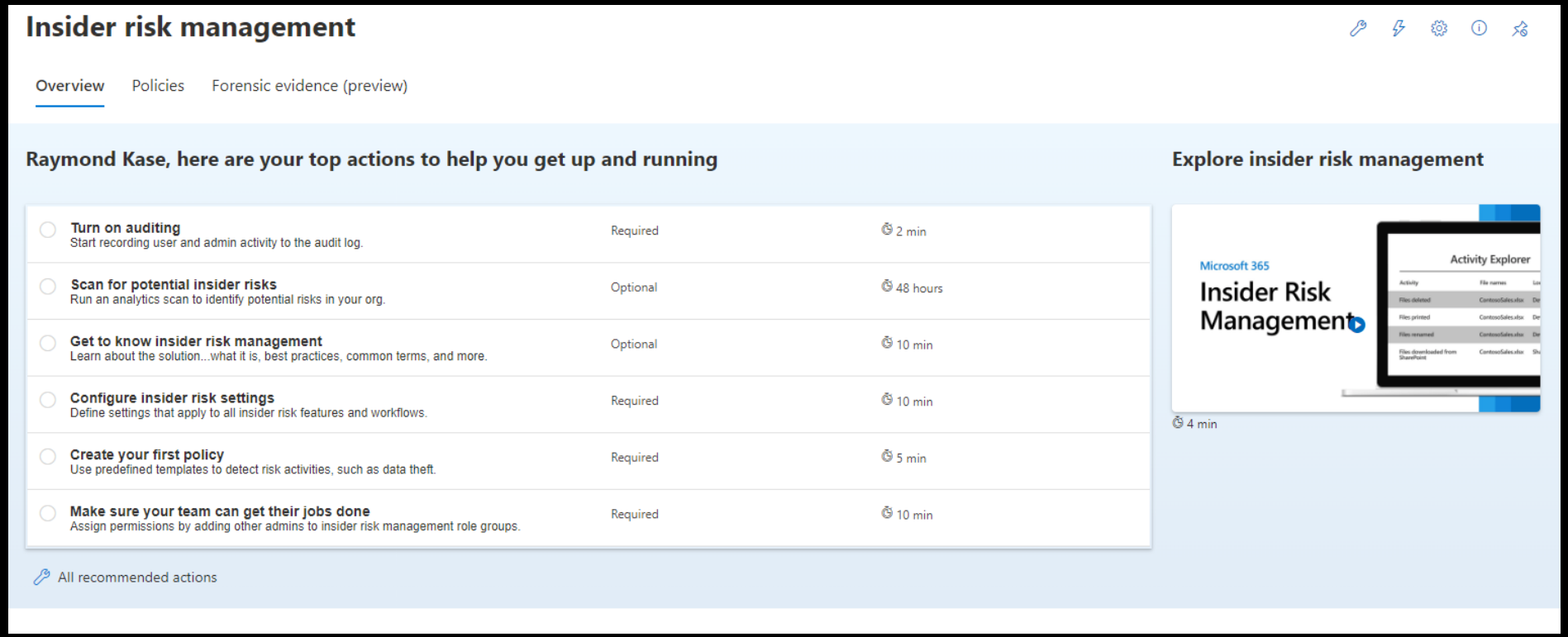
MICROSOFT PURVIEW (COMPLIANCE)



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MICROSOFT ENDPOINT MANAGER (INTUNE)

- Device Management
- Can be used in Hybrid Mode with SCCM (MEMCM)
- Requires AD Hybrid Join or AzureAD Native Join (Windows)
- Manages ALL Devices (The elusive "Single Pane of Glass")
- Extremely High Rate of Development
  - Future of Microsoft Device Management – Moving from On-Prem to Cloud (R.I.P. SCCM)

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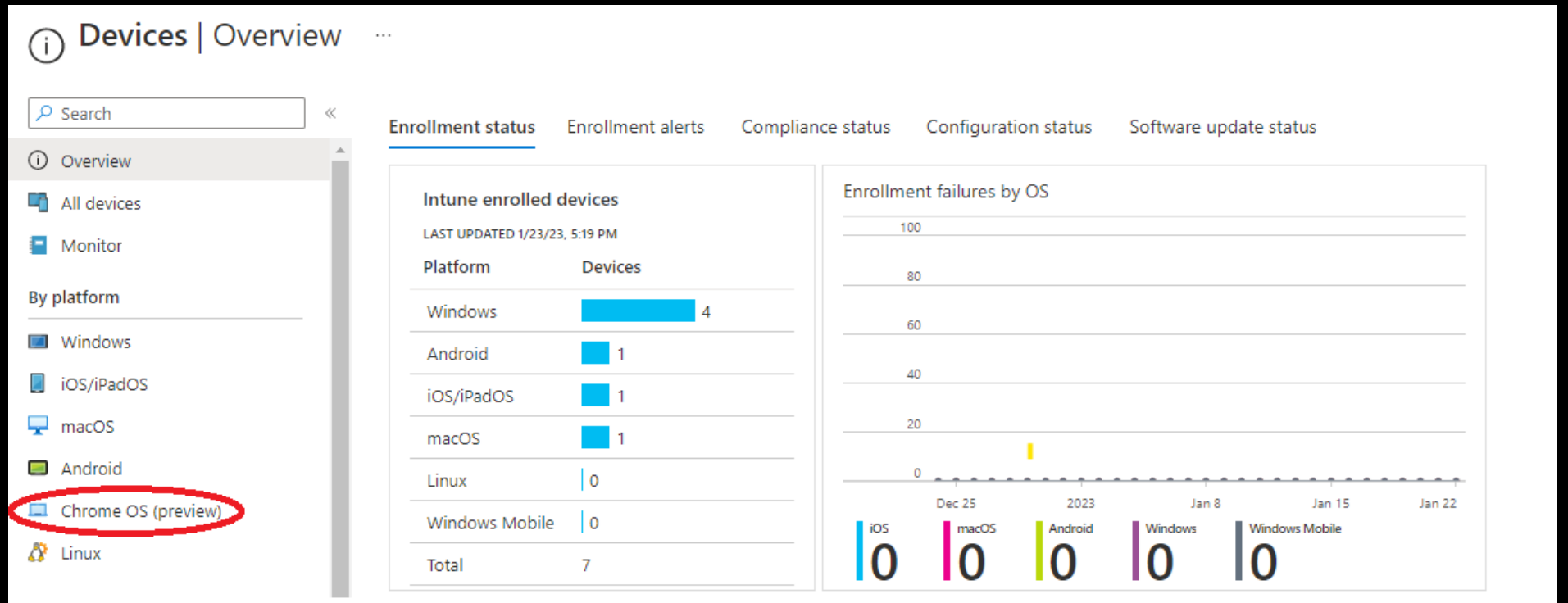
MICROSOFT ENDPOINT MANAGER (INTUNE)



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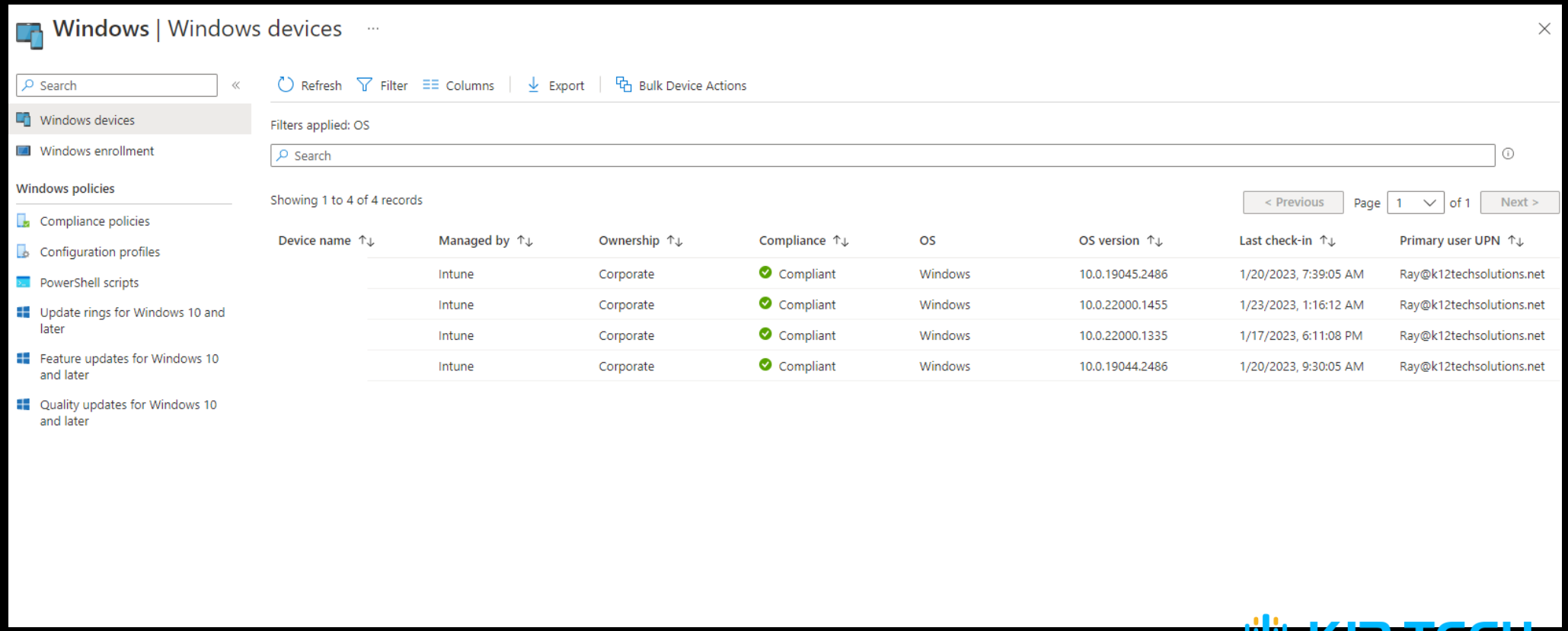
MICROSOFT ENDPOINT MANAGER (INTUNE)

- Windows



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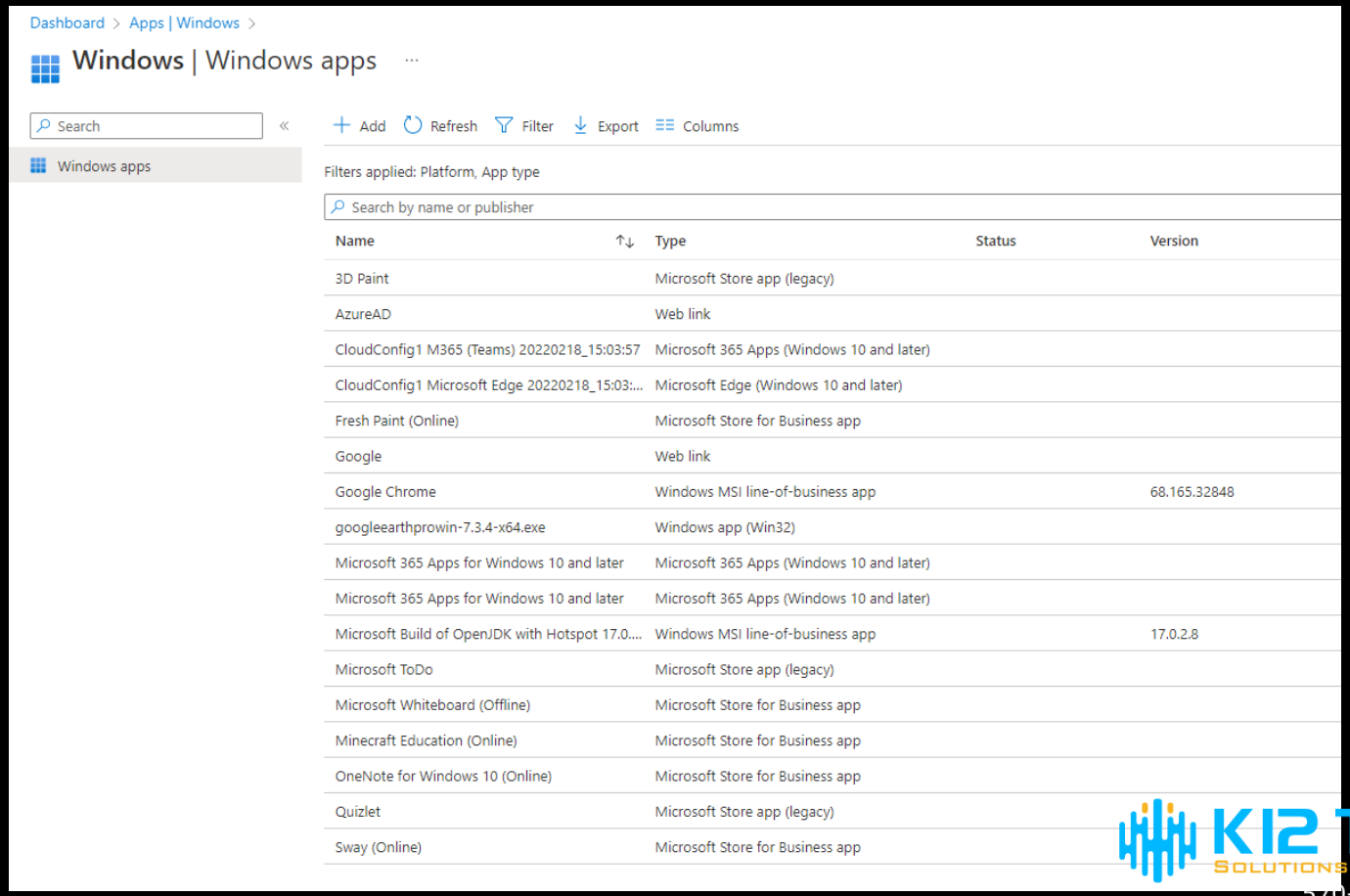
MICROSOFT ENDPOINT MANAGER (INTUNE)

- Windows Apps
  - Store
  - Win32
  - Links



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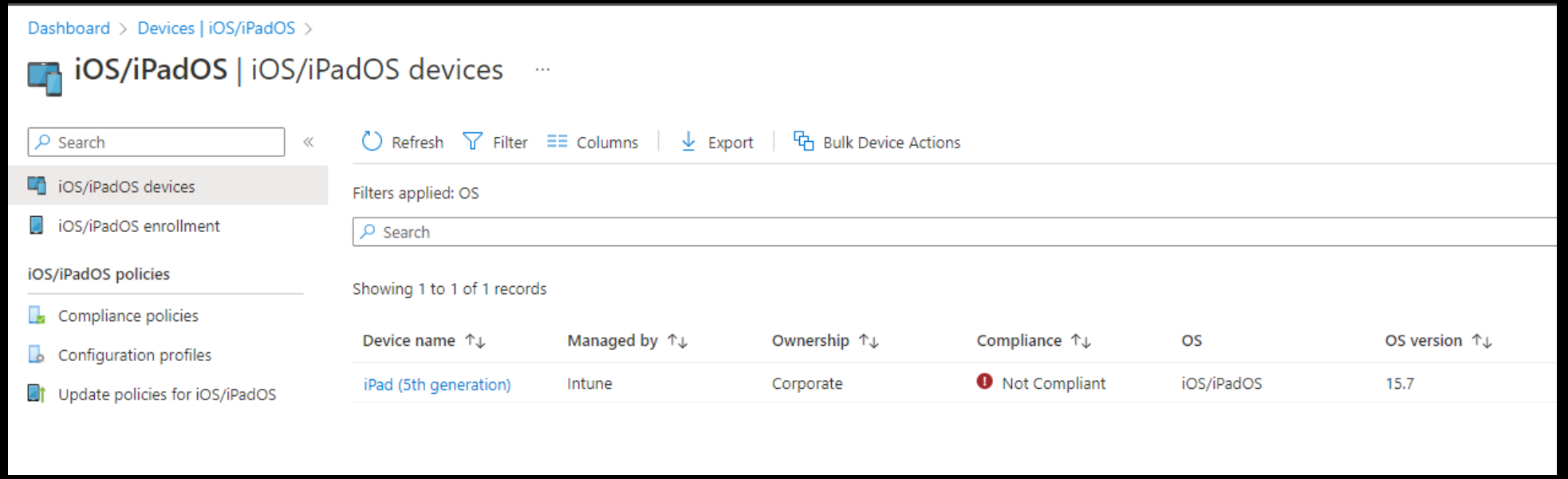
MICROSOFT ENDPOINT MANAGER (INTUNE)

- iOS



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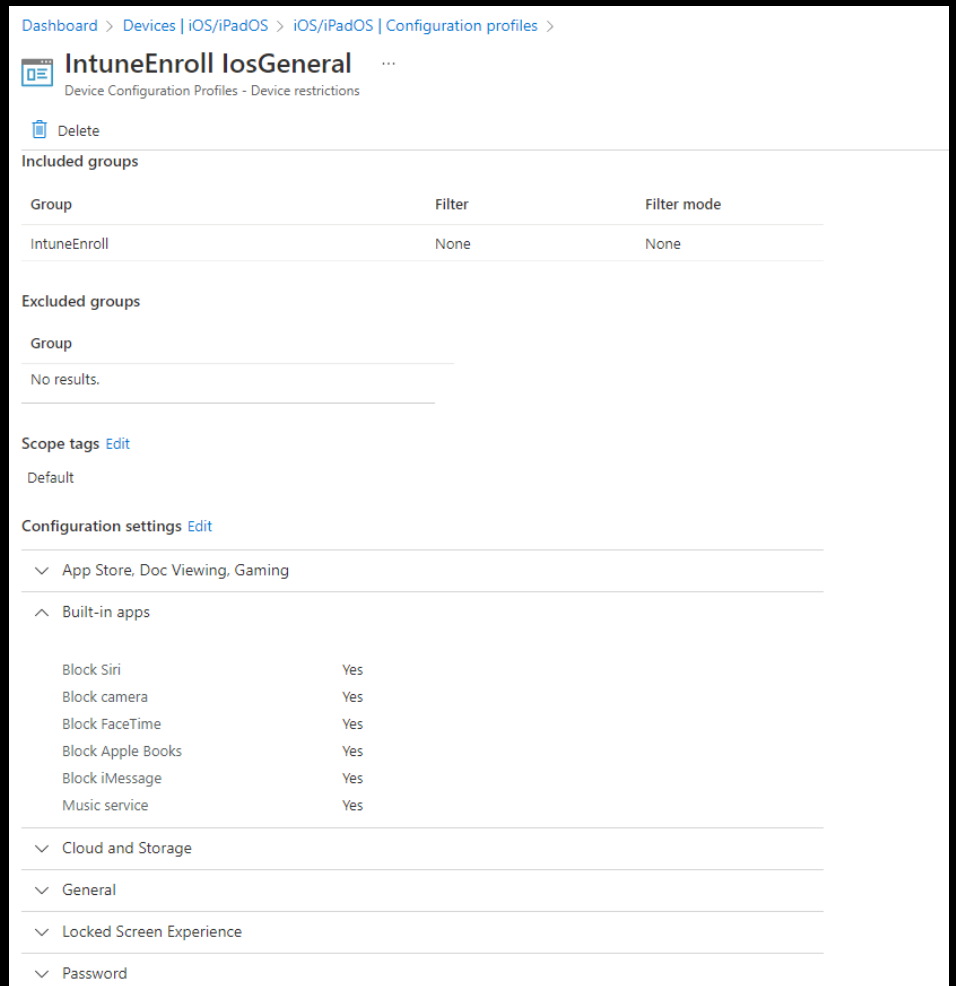
MICROSOFT ENDPOINT MANAGER (INTUNE)

- iOS Device Restrictions



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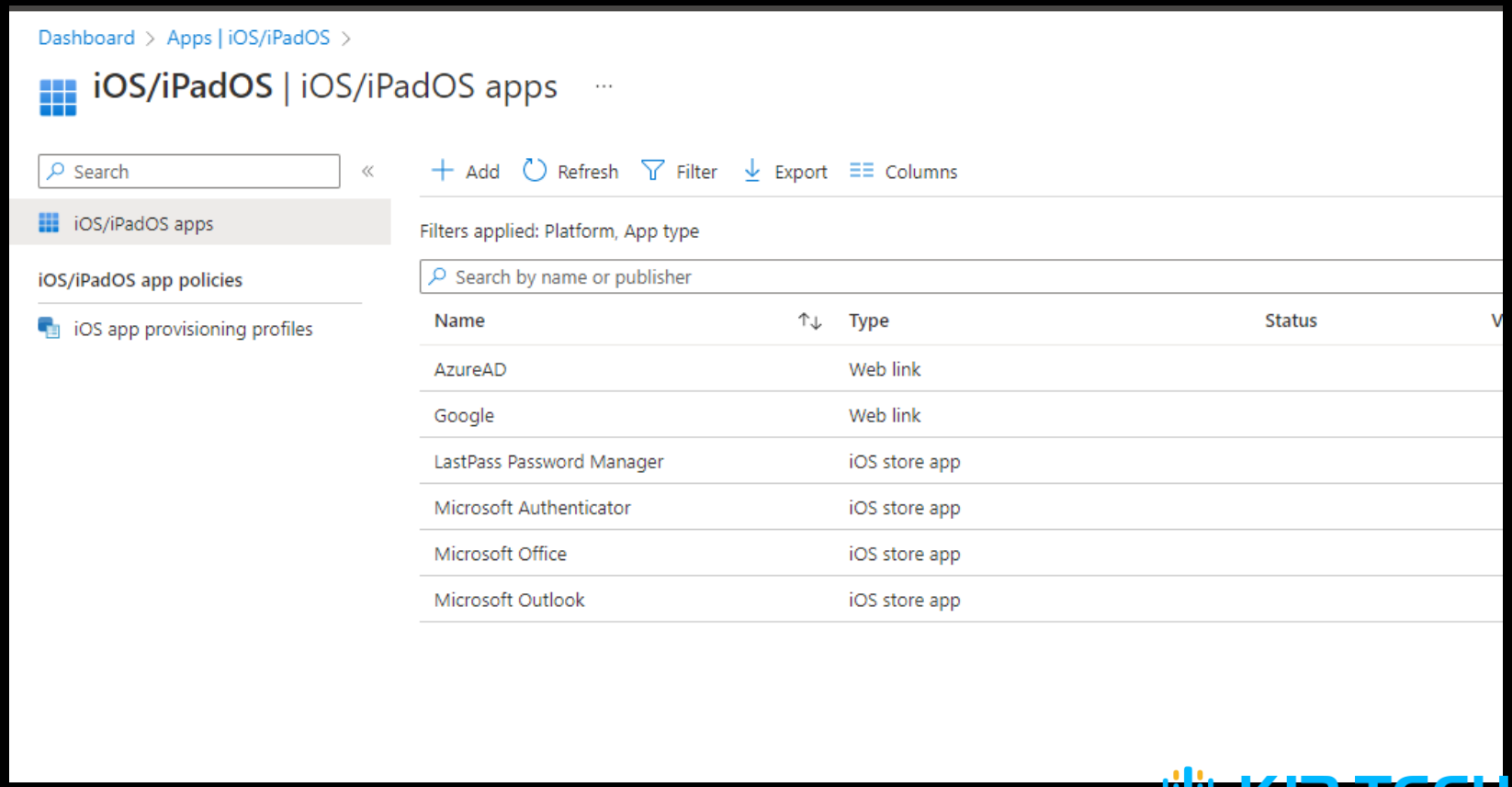
MICROSOFT ENDPOINT MANAGER (INTUNE)

- iOS Apps
  - Linked to App Store



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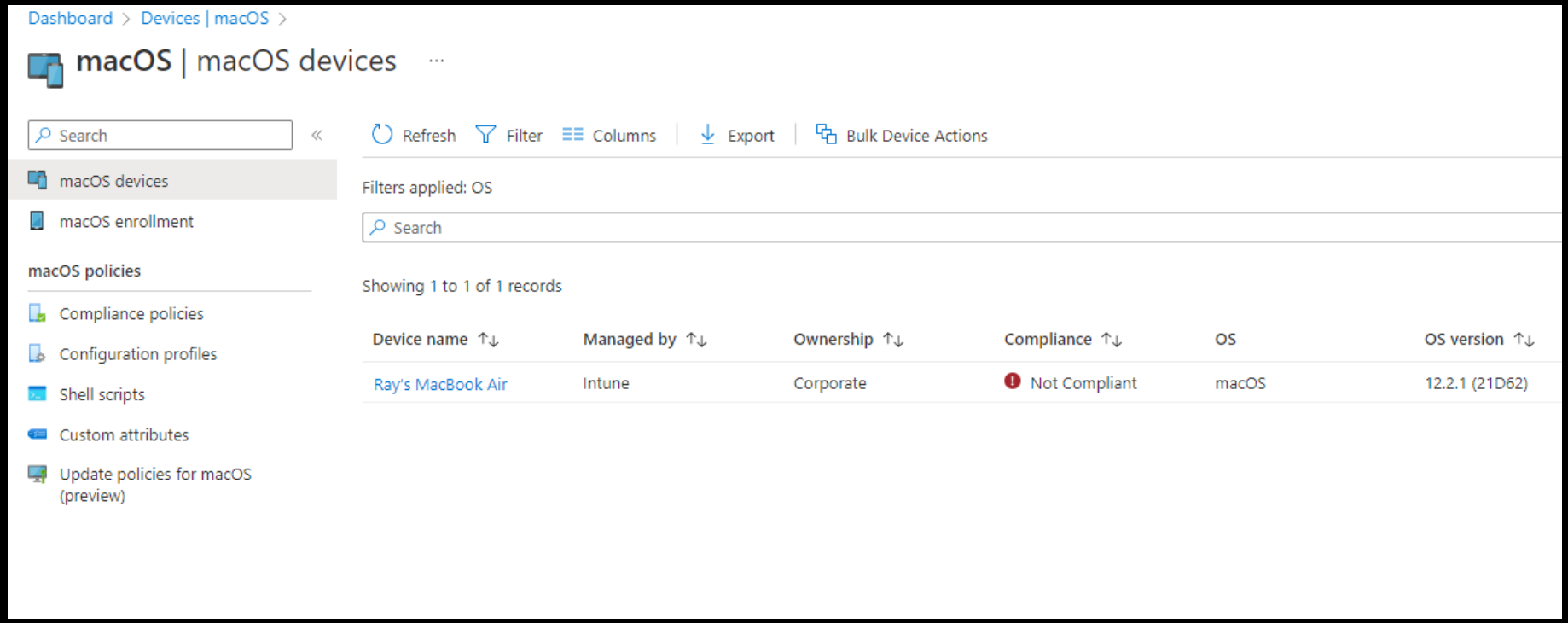
MICROSOFT ENDPOINT MANAGER (INTUNE)

- MacOS



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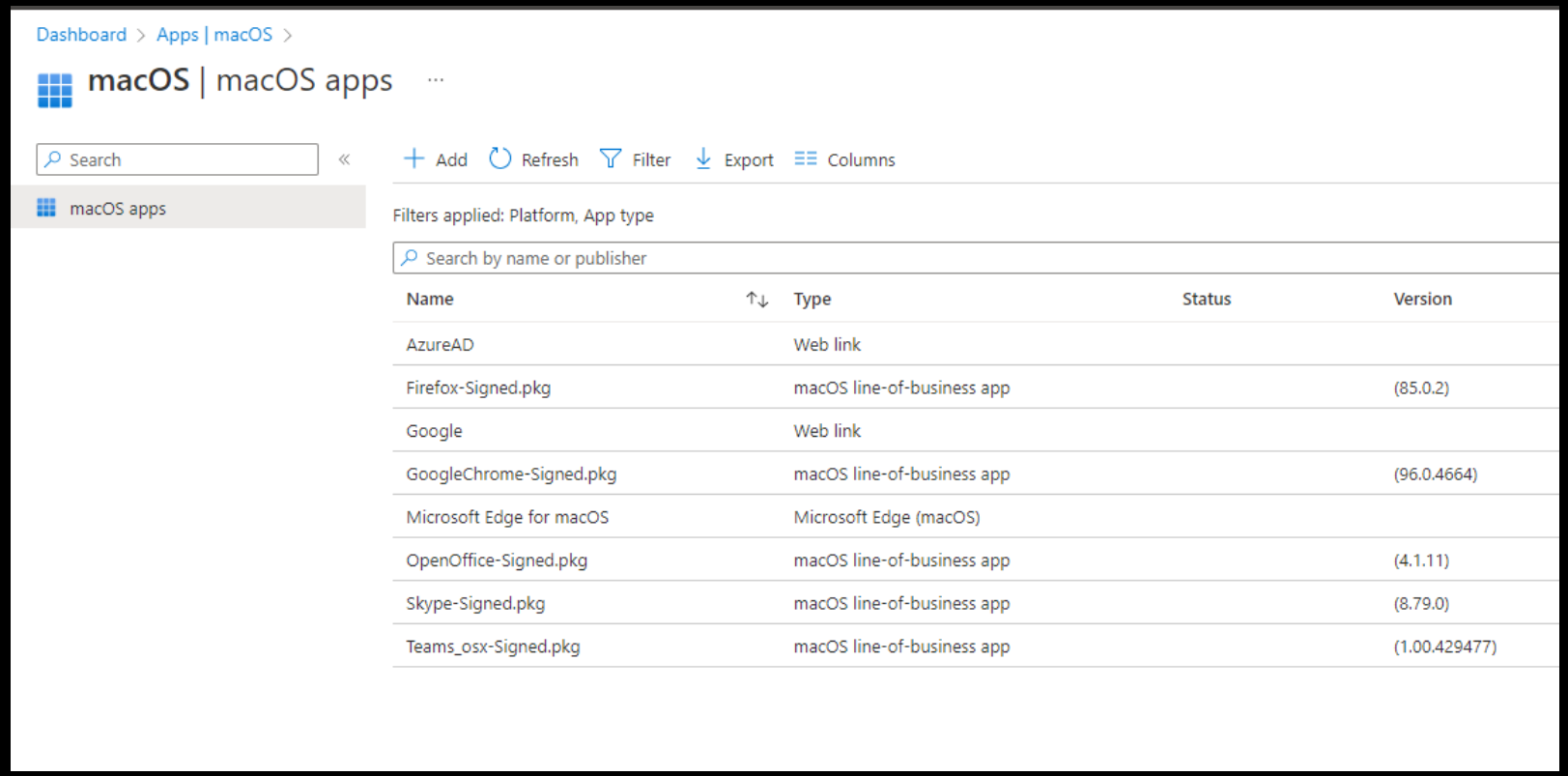
MICROSOFT ENDPOINT MANAGER (INTUNE)

- Deploy Apps from PKG files directly



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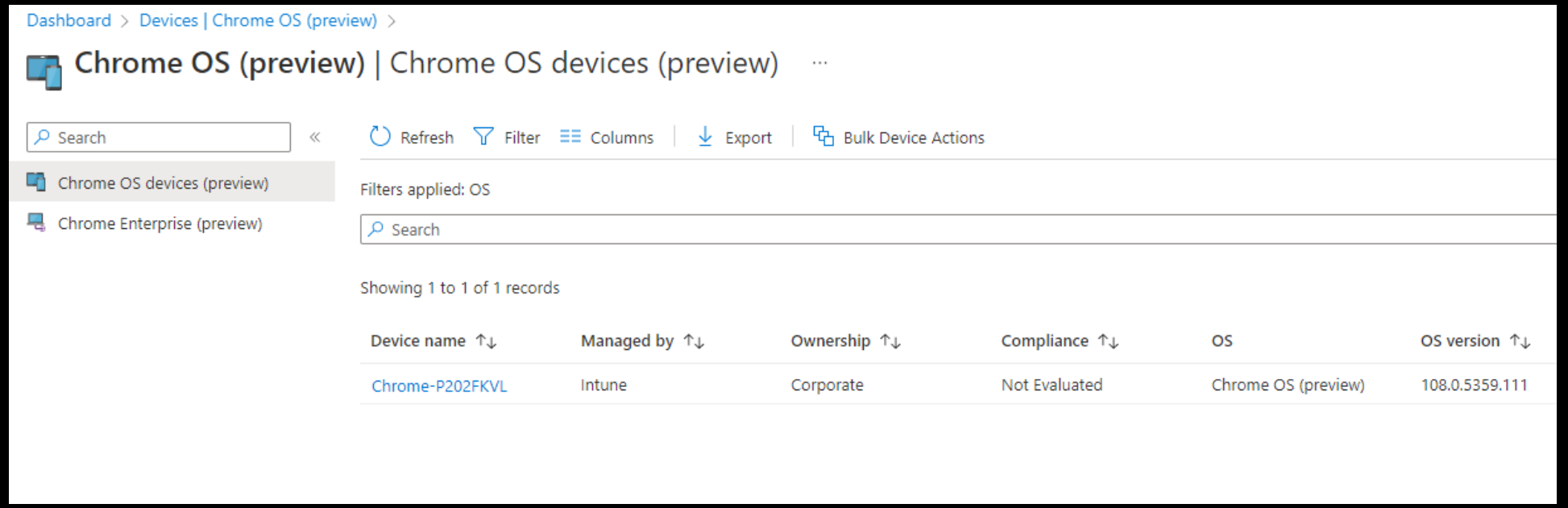
MICROSOFT ENDPOINT MANAGER (INTUNE)

- Chromebooks!
  - Connects to Admin Console
  - In Preview



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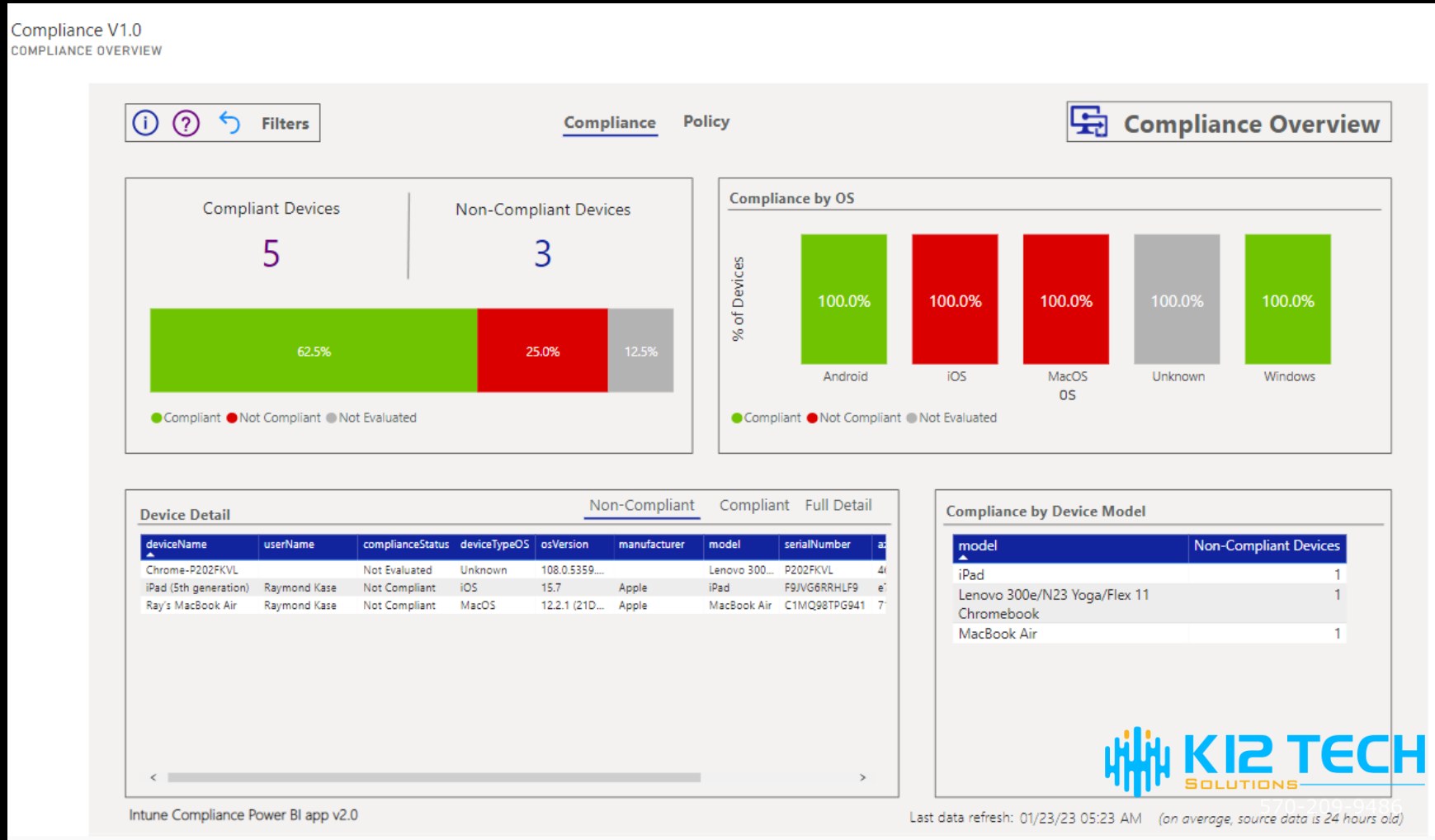
MICROSOFT ENDPOINT MANAGER (INTUNE)

- Hooks to PowerBI (Data Warehouse)



TEAMS

- Meetings, Calls, Webinars (One to Many)
- Integrates with Outlook Calendar Automatically
- Dial-in Numbers for Meetings
- Chat: 1 to 1, Channels. Each channel can be Private with its own File Share, Wiki, etc. (Slack)
- Files (Personal and Team Files – OneDrive OR Google Drive & Other Providers)
- Zoom Integration OOB

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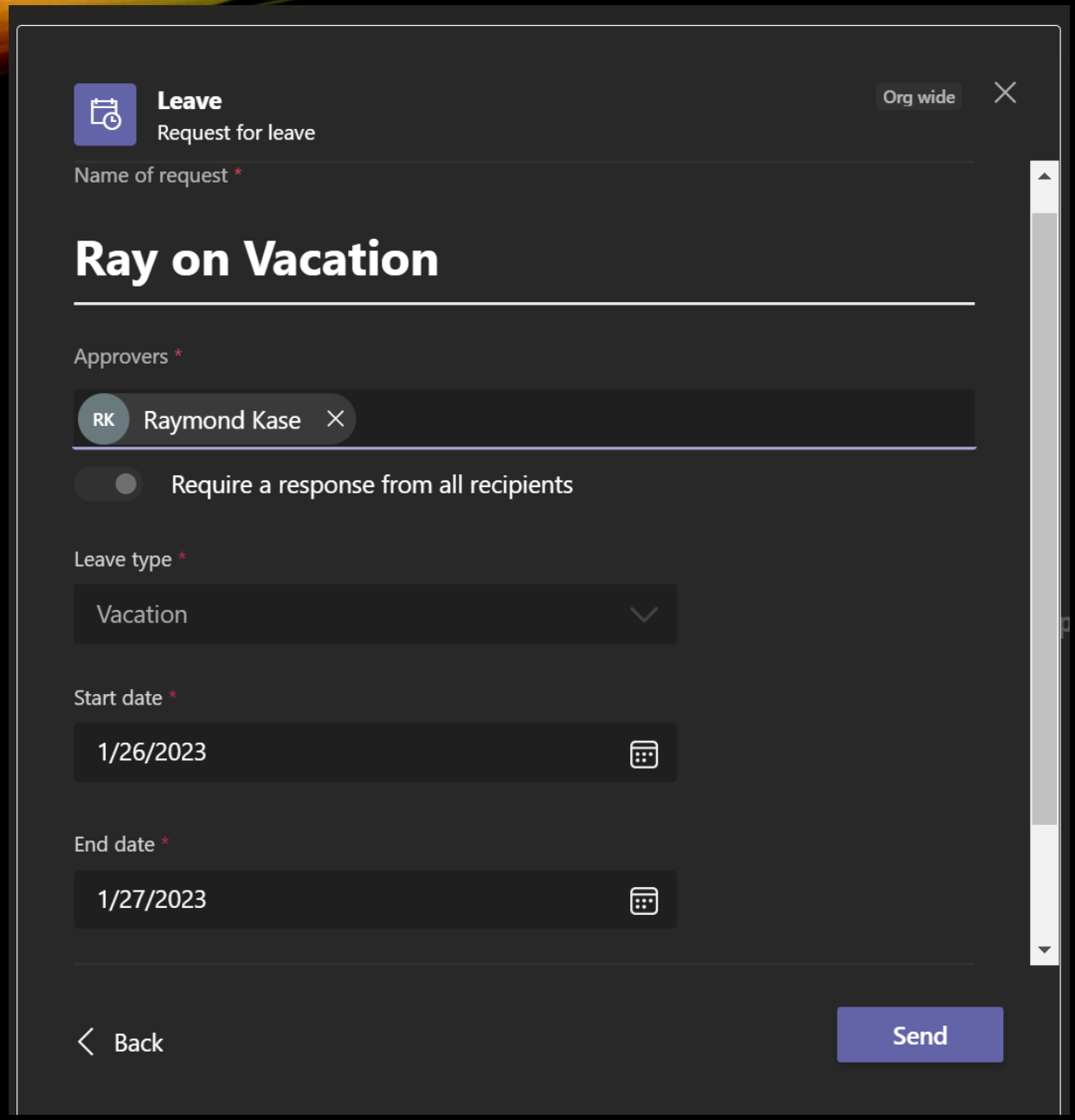
TEAMS

- Apps
  - Approvals



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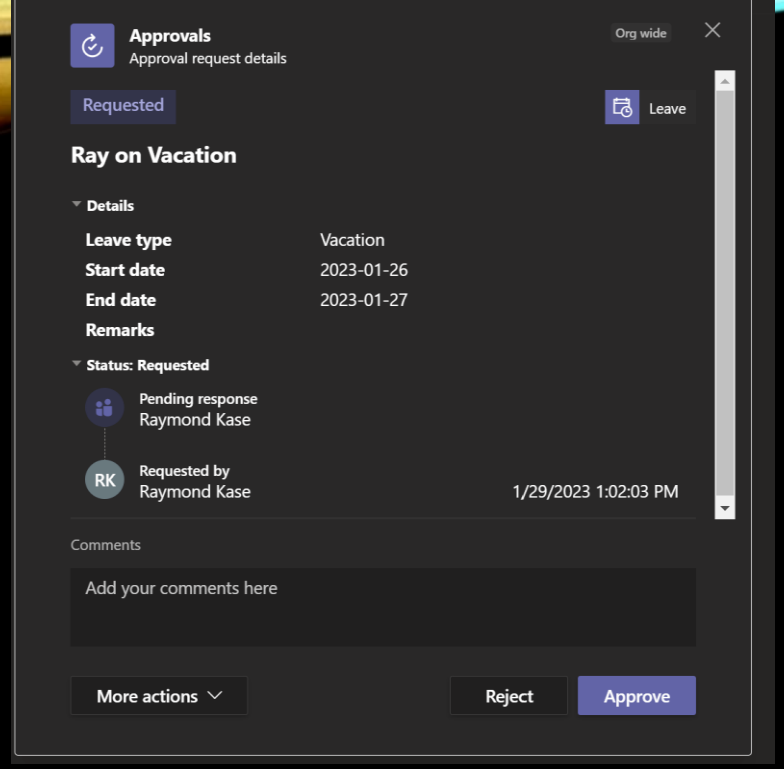
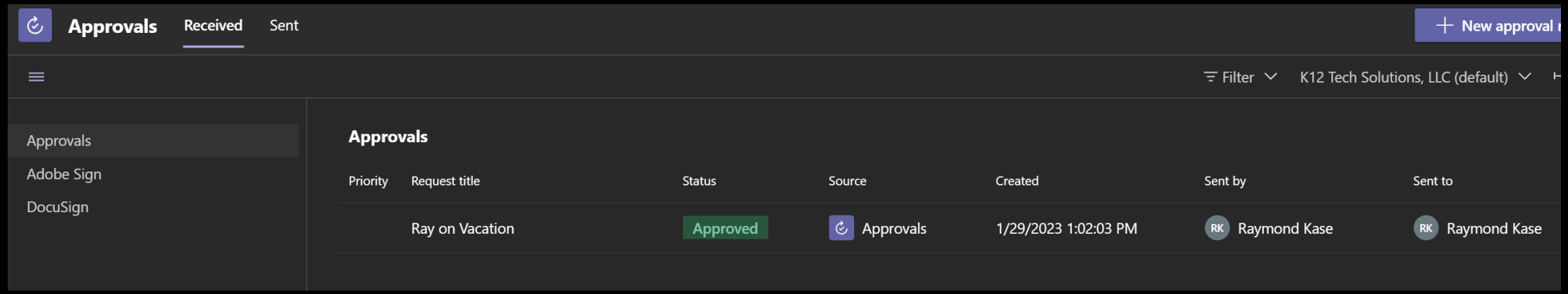
TEAMS

- Apps
  - Approvals





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TEAMS

- Apps
  - Bookings
    - Allows Self-Service Appointment Requests
      - Inside or Outside Your Network
      - Make sure you block off times that you do not want to accept appointments (Lunch)!
      - Can create custom times/applications
        - Parent Teacher Conferences

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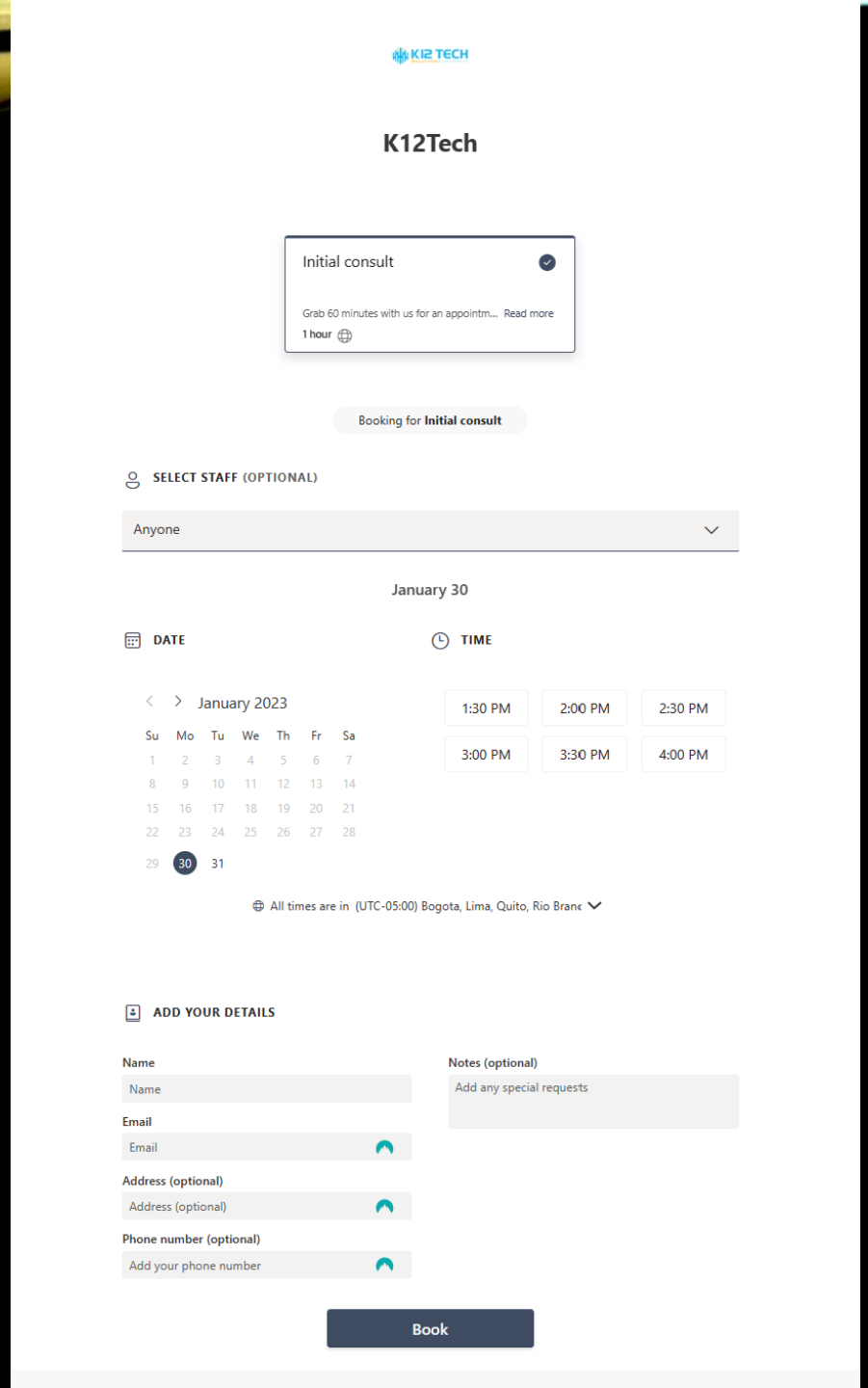
TEAMS

- Apps
  - Bookings



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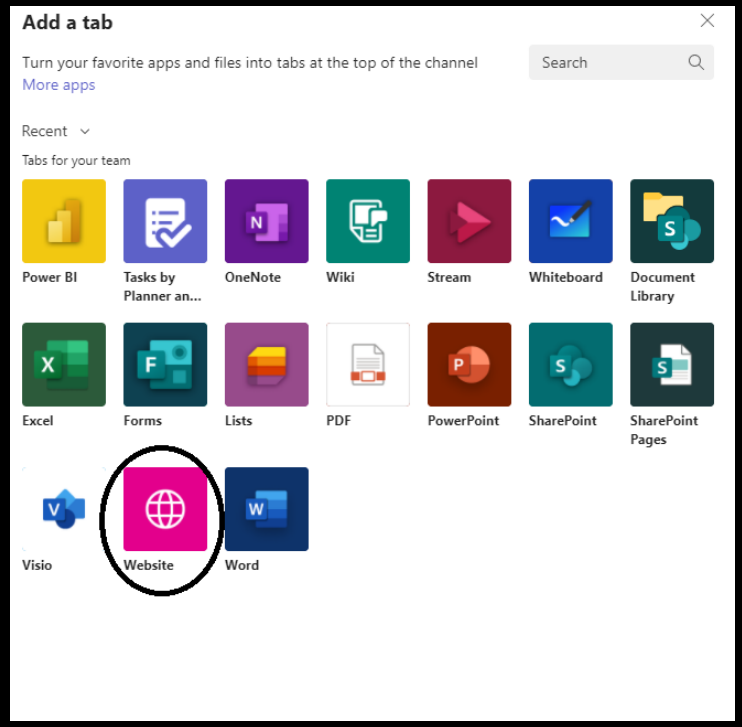
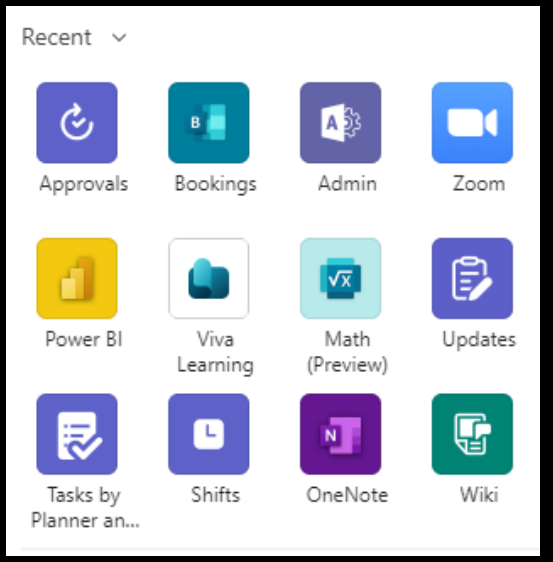
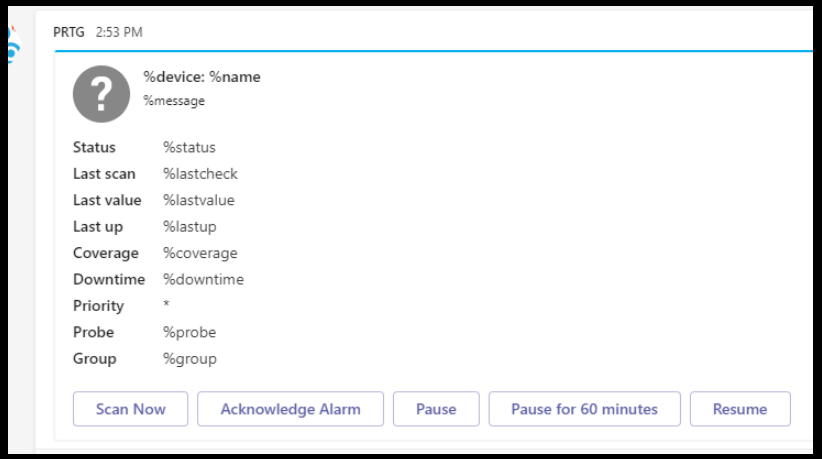
TEAMS

- Teams as a Console
  - APIs for Other Systems
  - Webhooks (ex. PRTG)
  - Websites







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TEAMS

- Microsoft 365 Business Voice
  - Can Replace a Traditional PBX with a Cloud-Based PBX
    - Most Features of On-Prem PBX
      - Automated Attendant
      - E-911
  - Integrated Mobile Experience
  - Teams Desk Phones

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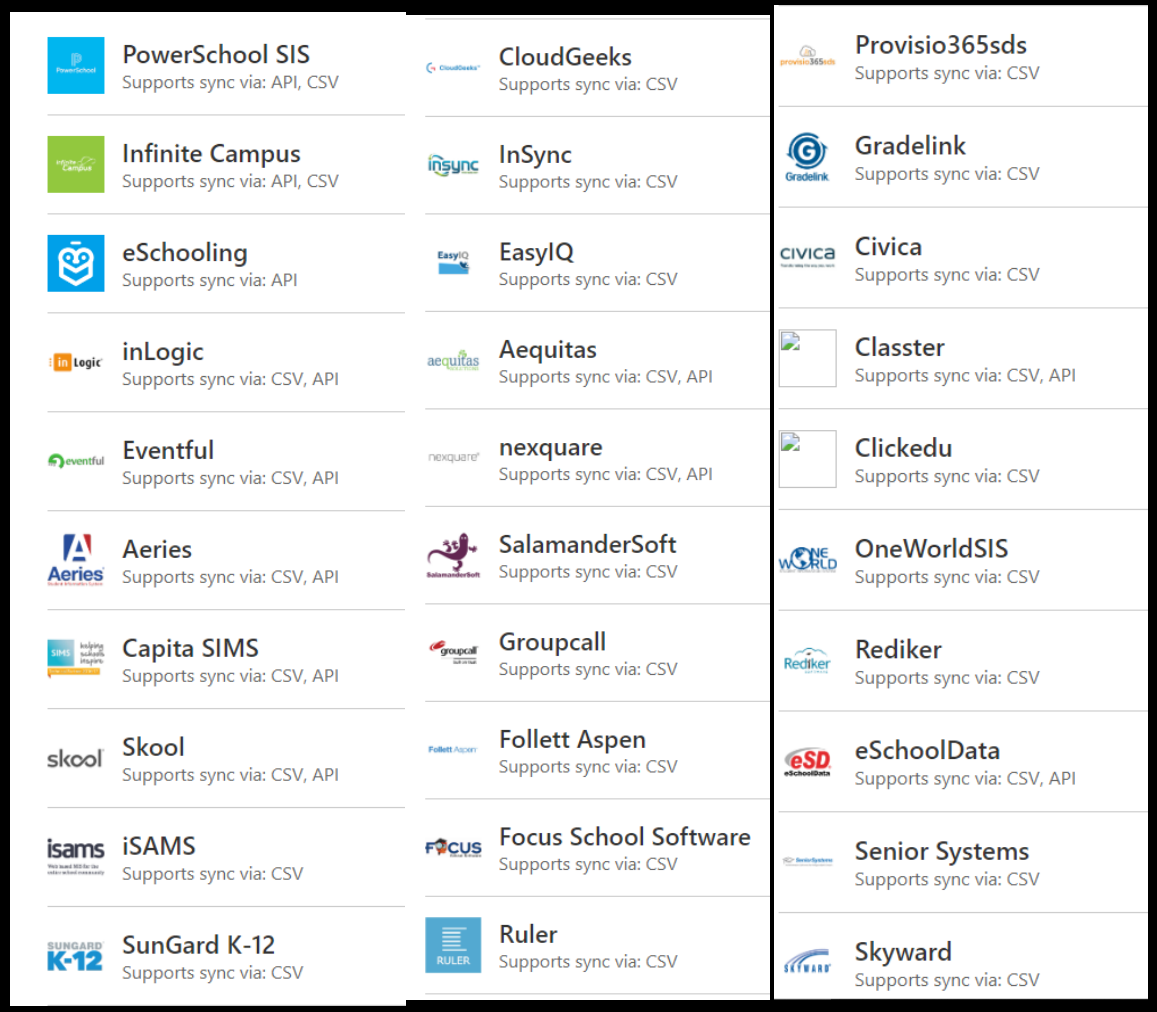
SCHOOL DATA SYNC

- Auto Roster Creation, Licensing
- OneRoster API



STREAM

- Private YouTube
- Secure Storage For Teams Meetings Recordings
- Can Give Permissions for Outside (Guest) Access

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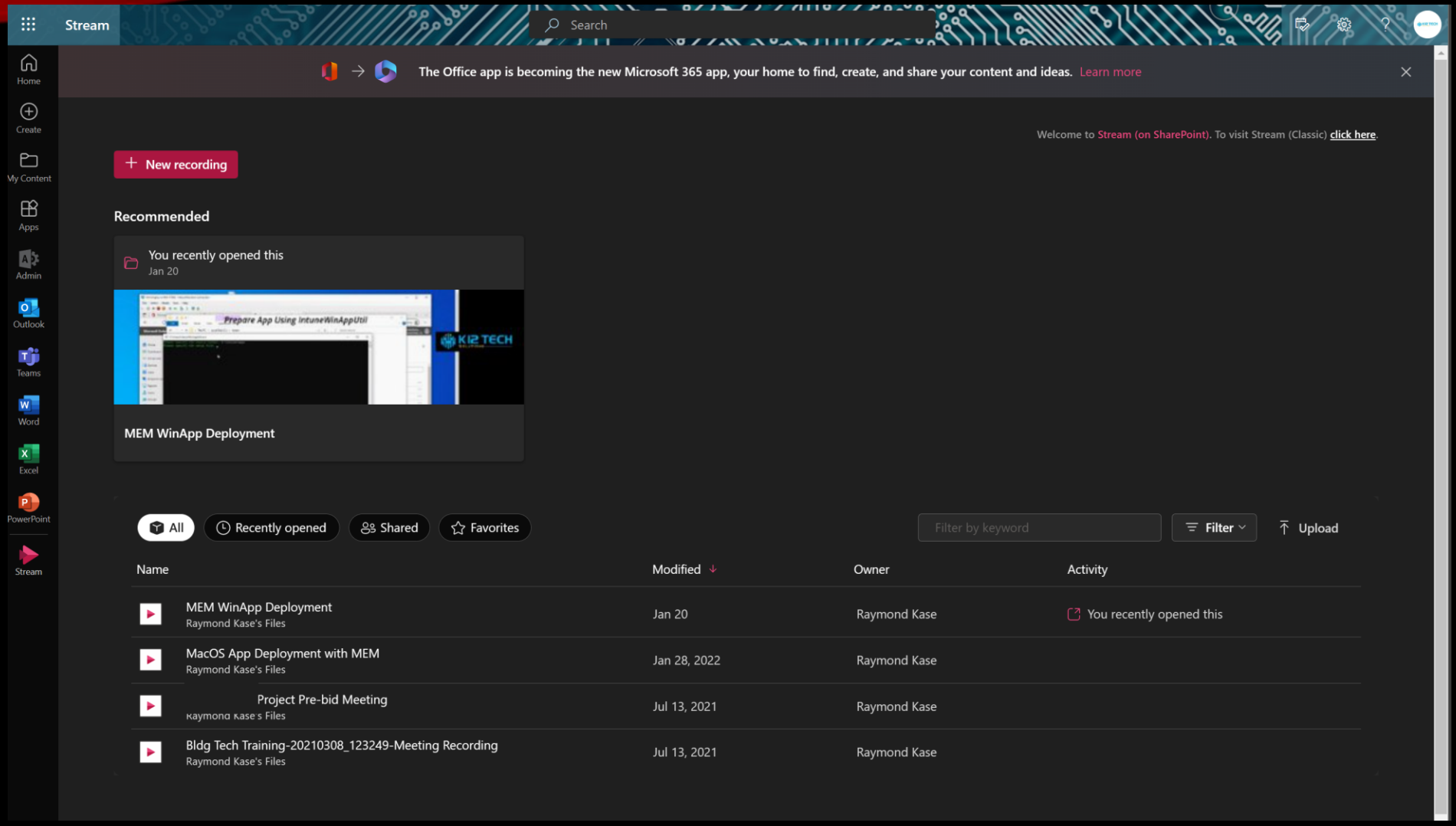
STREAM



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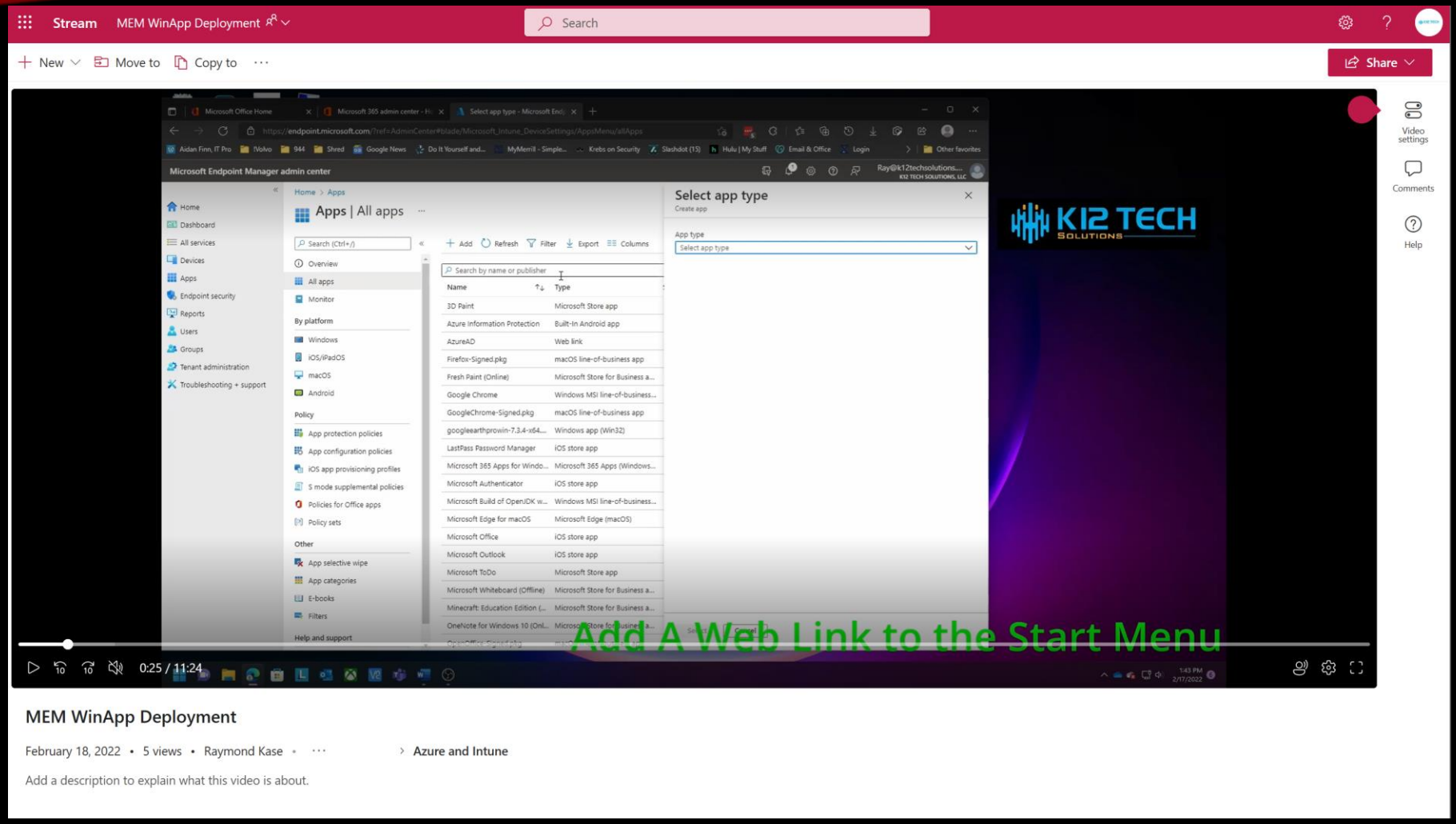
STREAM



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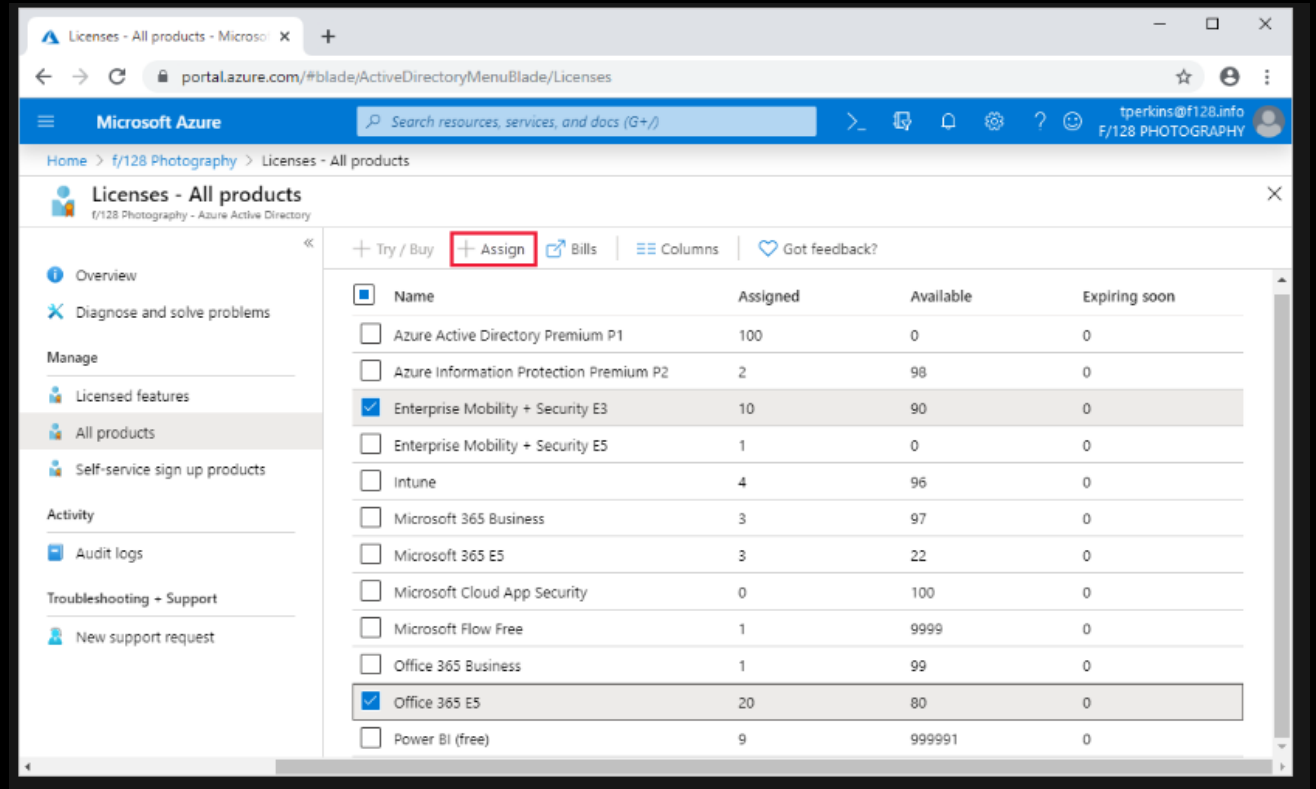
SWAY

- Interactive Newsletters
  - Like "SMORE"
- Interactive Lessons
  - Sway Lesson Example

AZURE

- Azure AD (Synced with On-Prem AD)
  - Group-Based Licensing
  - Lots of Enterprise Apps
  - Uses Synced AD On-Prem Groups



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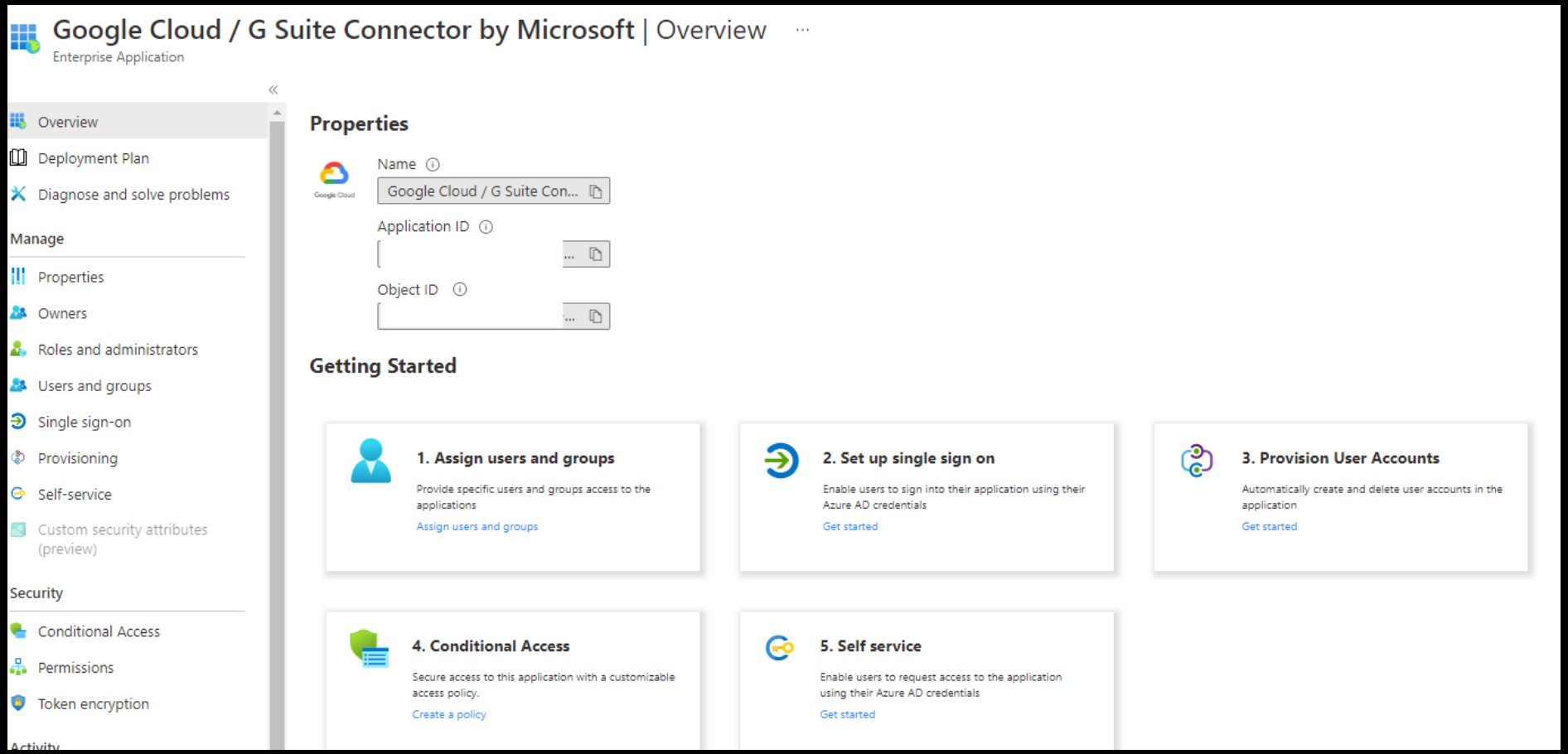
AZURE

- OAUTH



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