Microsoft Sentinel

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Official sponsors







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- VIRTUAL SUMMIT -

Session Agenda

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- What?
- Why?
- How?

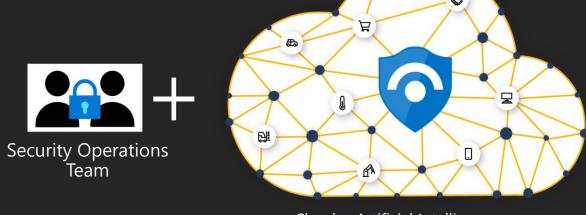


What?

What is Microsoft Sentinel



- Cloud native SIEM system
- Based on the PaaS model
- Hybrid solution
- Limitless Cloud speed and scale
- Al on your side for faster thread detection
- Costefficent and secure



Cloud + Artificial Intelligence



Why?

Why Microsoft Sentinel



Here are some starting discussion points for a new SIEM system:

- System size (rightsizing)
- Disconnected services (lot,..)
- Cloud integration (Azure and more)
- Montly costs
- Required upfront invest
- Automation options



Why Microsoft Sentinel



Here are the answers when you're using Microsoft Sentinel:

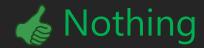
- System size (rightsizing)
- Disconnected services (lot,..)
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- Montly costs
- Required upfront invest
- Automation options







🍲 Pay-as-you-Go and RI



No automation limit



How?





How to start

The basic steps to onboard Microsoft Sentinel

- Define UseCases
 - Collect data
 - Implement visibility
 - Implement/use analytics rules
 - Implement/use hunting rules
 - Handle incidents
 - Implement automation











Collect data



Azure Activity Logs, Office 365 Activity Logs, Alerts from Microsoft Threat Protection are available at no cost. M365 E5 and Security E5 benefity

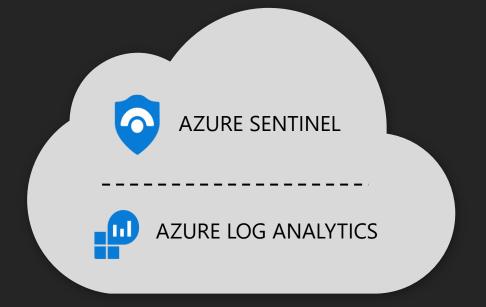


AZURE + MICROSOFT 365 Security Alerts, Activity Data

COLLECTORS CEF, Syslog, Windows, Linux

TAXII + MS Graph Threat Indicators

APIs Custom Logs







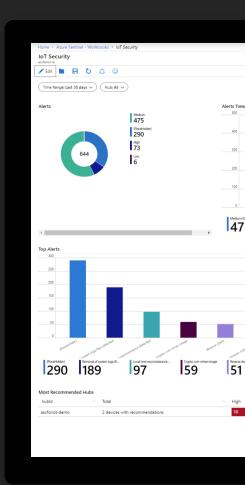
Implement visibility

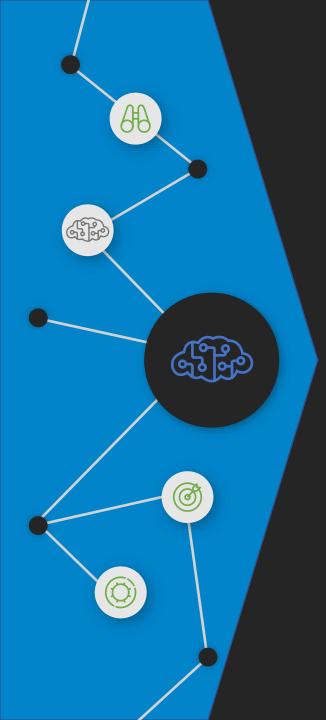




Azure Workbooks are the modern way, to visualize your data and allow you to quickly gain insights across your data as soon as you connected a data source

- Workbooks are used for many services
- Build-in workbooks available
 - Customizable
- Build your own workbooks
 - Huge design options
 - Different datasources









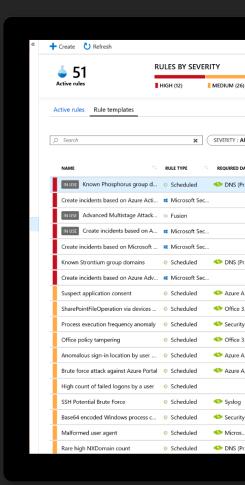




Implement/use analytics rules

- More than 100 built-in Rule from Microsoft and community available
- Create your own rules based on KQL
- IaC is the key (Export and Import)
- Different rule types:
 - Microsoft Security (Defender, AzureAD,...)
 - Fusion (Correlation engine with scalable ML)
 - Machine learing (ML behavioral analytics template)
 - Anomaly (Preview) (Anomaly rule templates based on ML)
 - Scheduled (KQL based)
 - NRT (Preview) (KQL based)









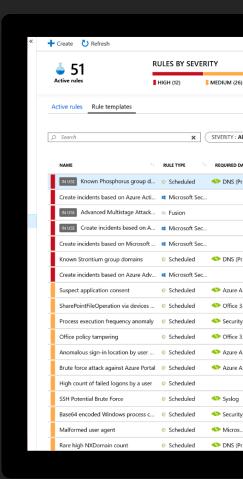




Implement/use hunting rules

- More than 100 built-in Rule from Microsoft and community available
- Create your own rules based on KQL
- When should you use Hunting?
 - Before an incident occurs
 - During a compromise (livestream)
 - After a compromise
- Advanced hunting with Notebooks







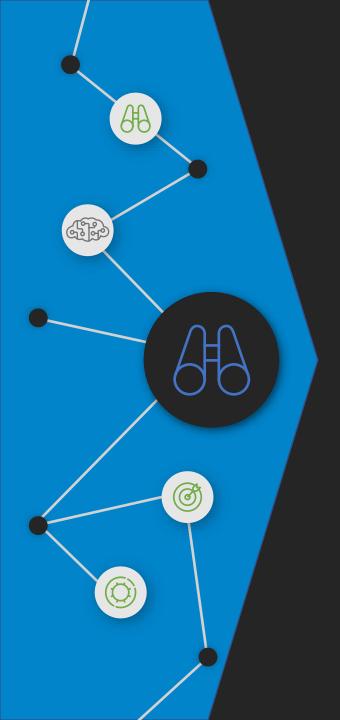




Demo

Azure sentinel overview

- Connectors
- Workbooks
- Analytics and hunting rules



Incidents



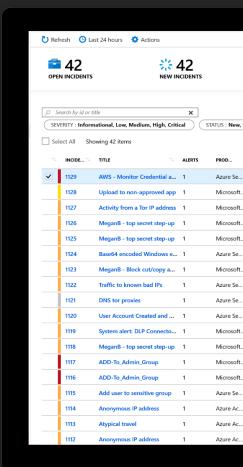




Incidents

- Use incident to collect related alerts, events, and bookmarks
- Assign incidents to users (AzureAD)
- Manage assignments and track status
- Add tags and comments
- Trigger automated playbooks

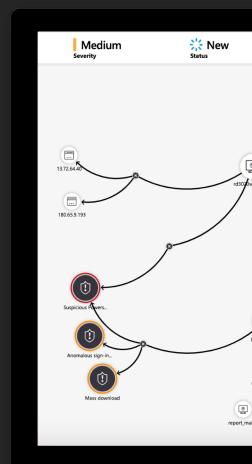


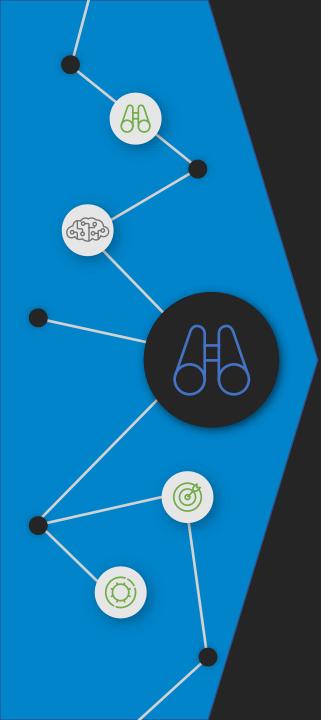


Visualize attacks

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- Use visualization to
 - Get connection between Alerts, Booksmarks and entities
 - Advanced queries to get more details
 - Analyze timeseries









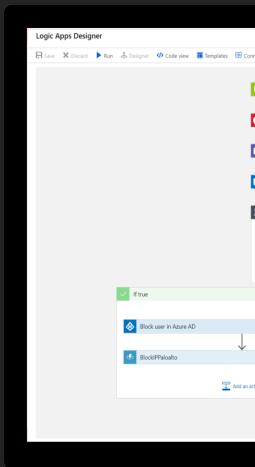




Implement automation

- Build automated and scalable playbooks
- Choose from a library of samples
- Create your own playbooks
- Trigger a playbook from an alert or incident investigation











Demo

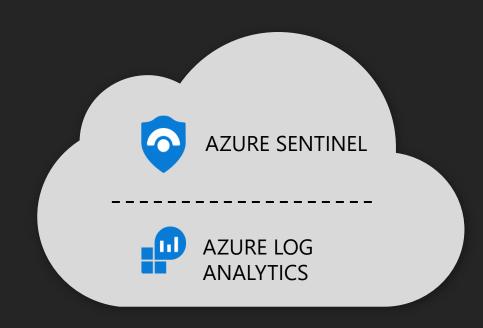
Azure sentinel SOAR

- Handle incident
- Automation
- Playbooks

Recap



- Build-in PaaS Service in Azure
- Based on Pay-as-you-Go
- High availability and scalability
- Better investigate and analyze security issues
- Massive automation options





Thank you Q & A