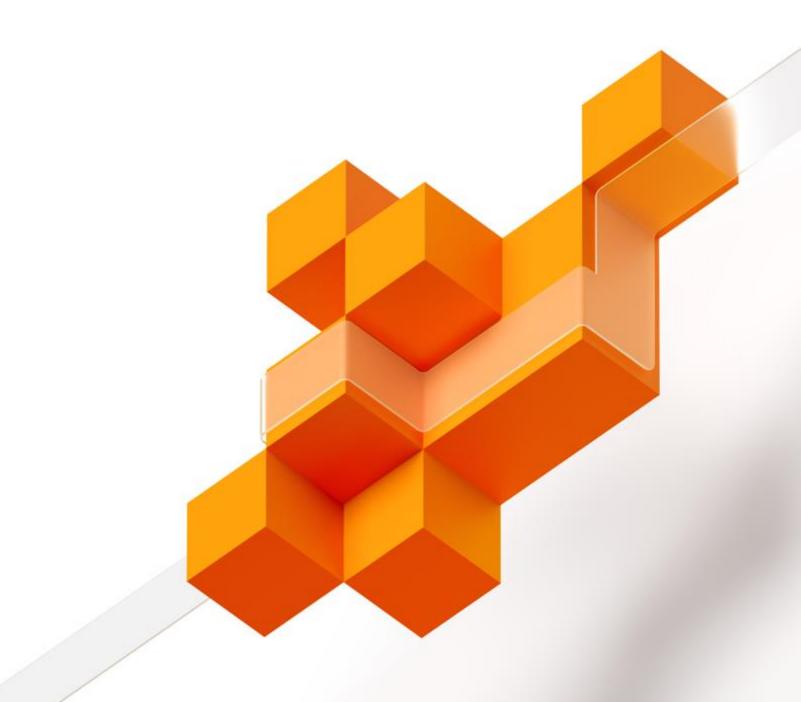


Microsoft Ignite





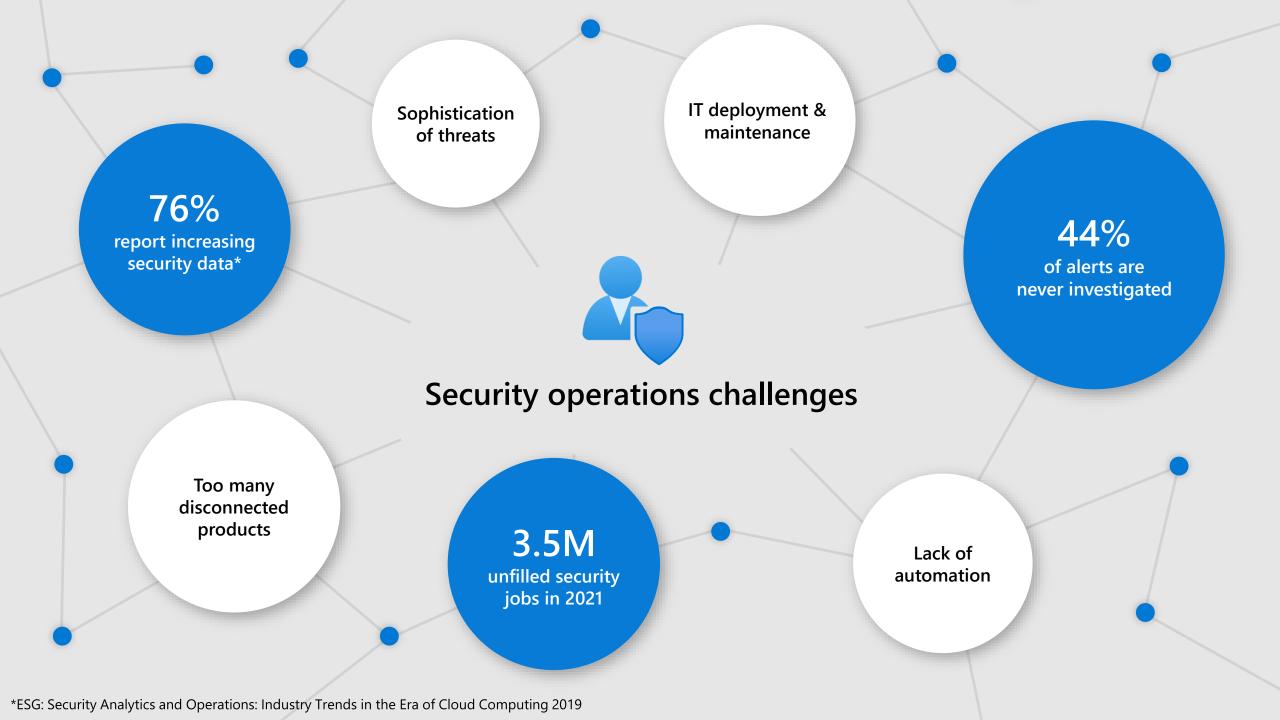
Modernize your SIEM in the cloud with Azure Sentinel

Abbas Kudrati Chief Cybersecurity AdvisorMicrosoft Asia

https://aka.ms/abbas

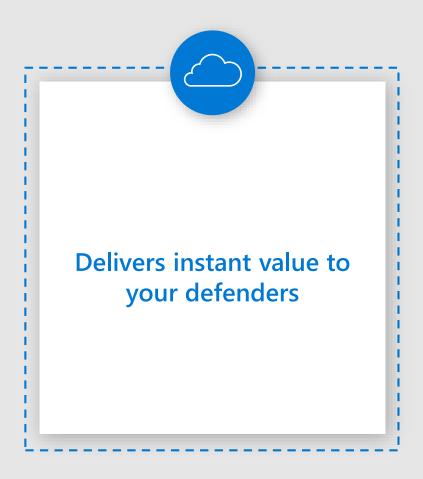
Udeesh Millathe Global Blackbelt – Azure SentinelMicrosoft Asia





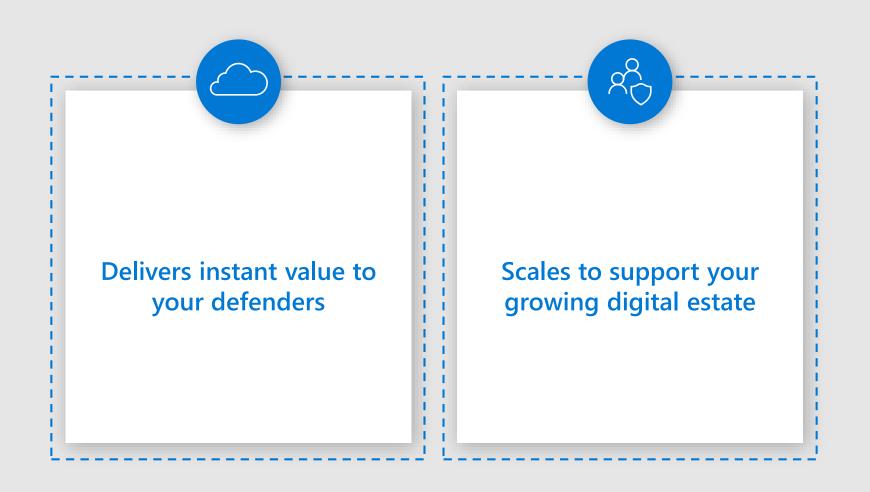
Introducing Azure Sentinel

INTELLIGENT, CLOUD-NATIVE SIEM



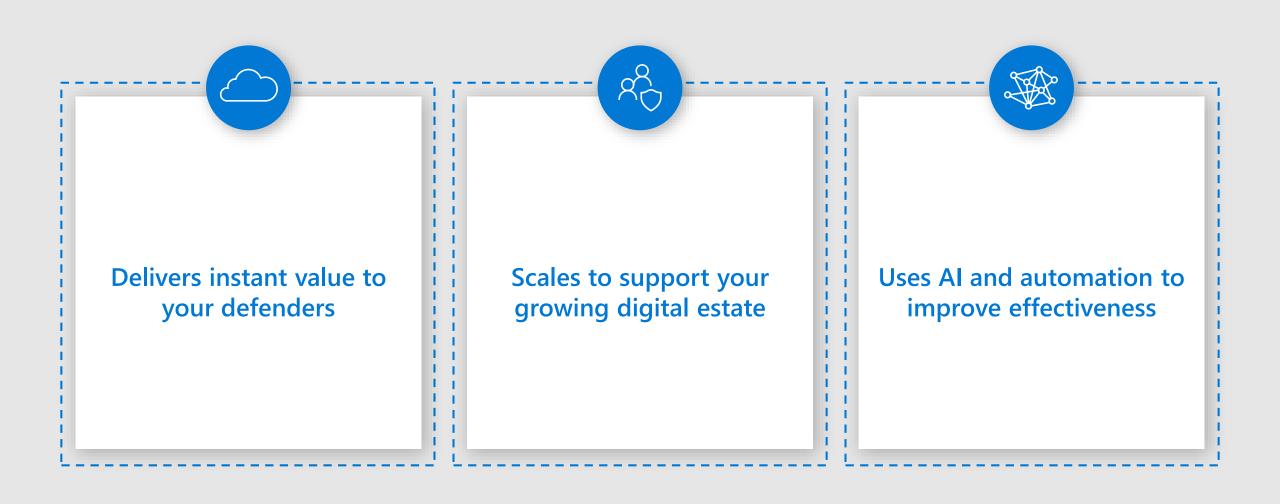
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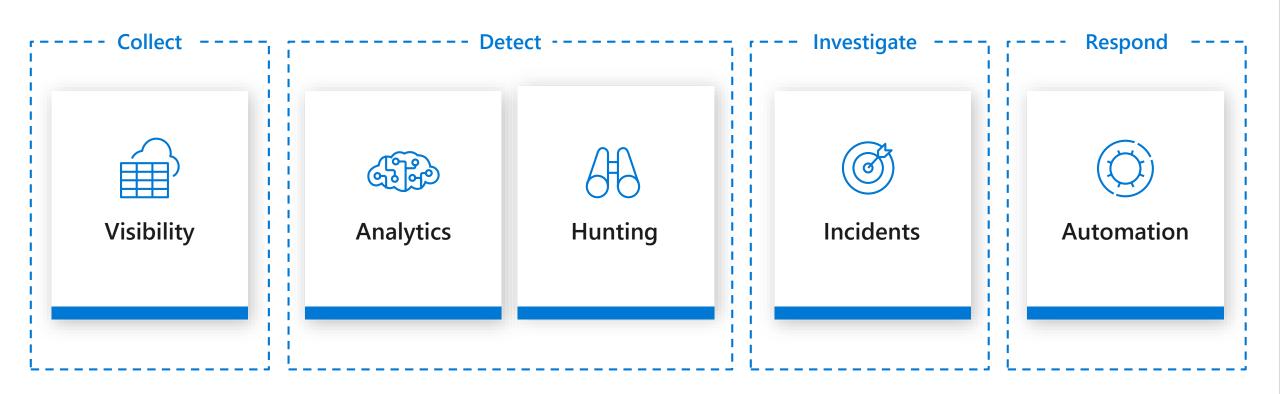


Introducing Azure Sentinel

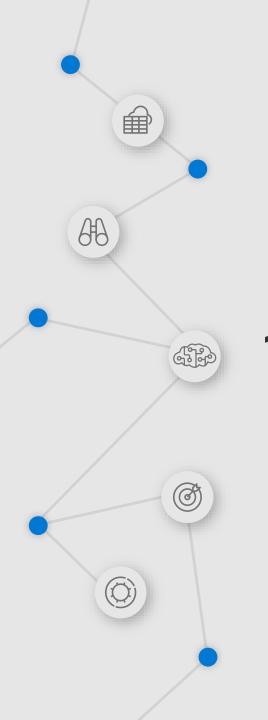
INTELLIGENT, CLOUD-NATIVE SIEM



End-to-end solution for security operations



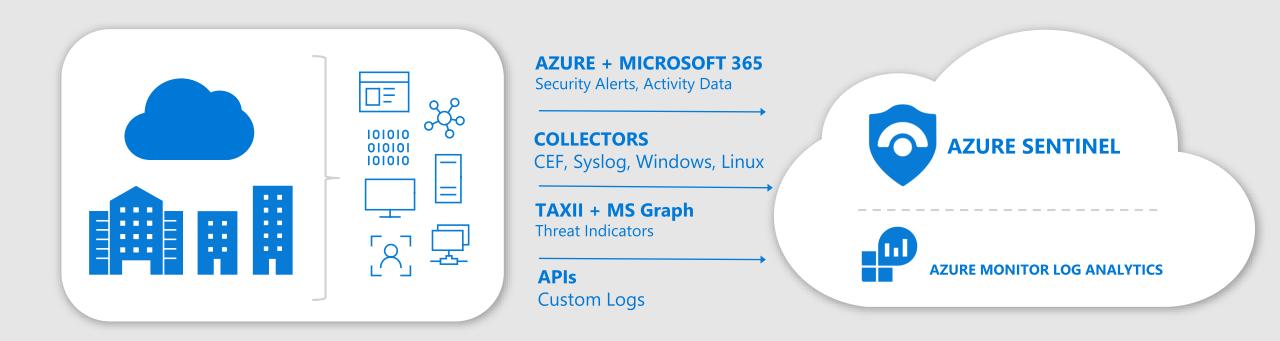
Powered by community + backed by Microsoft's security experts



10 steps to Modernize your SIEM



Collect security data at cloud scale from any source



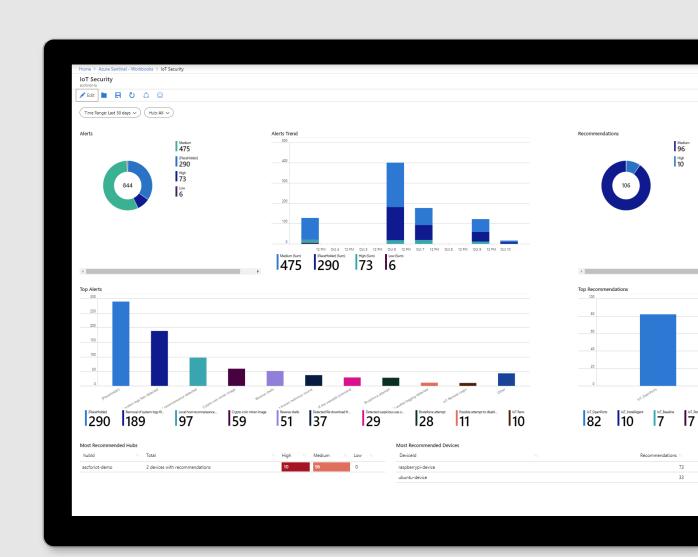
Use workbooks to power interactive dashboards

Choose from a gallery of workbooks

Customize or create your own workbooks using queries

Take advantage of rich visualization options

Gain insight into one or more data sources



New data connectors and workbooks announced this week

Barracuda CloudGen Firewall

Citrix Analytics

ExtraHop Reveal(x)

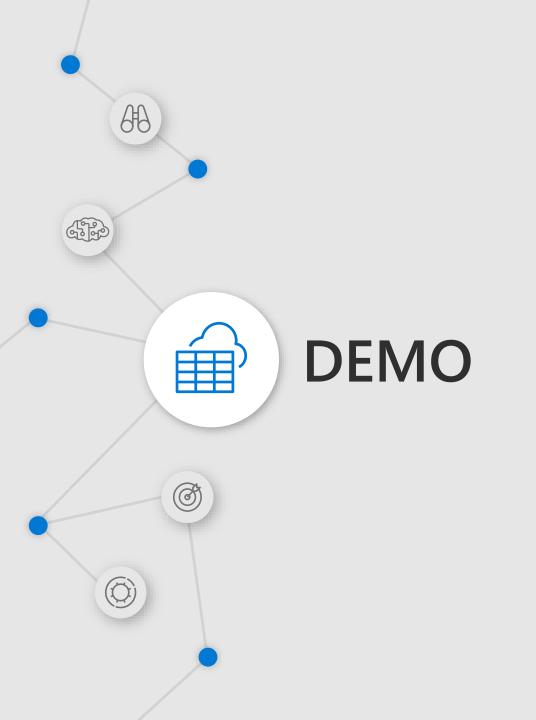
F5 Firewall

One Identity Safeguard

TrendMicro Deep Security

Zscaler Internet Access

Threat Intelligence TAXII Servers (supporting STIX format)





What data can you ingest in Azure Sentinel at no cost?



Azure Activity Logs, Office 365
Activity Logs, Alerts from Microsoft
Threat Protection are available at
no cost.



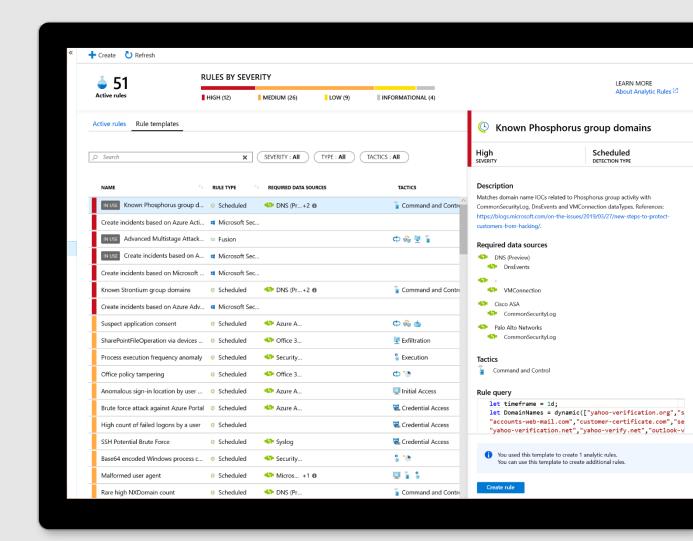
Leverage analytics to detect threats

Choose from more than 100 built-in analytics rules

Customize and create your own rules using KQL queries

Correlate events with your threat intelligence and now with Microsoft URL intelligence

Trigger automated playbooks



3a

Tap into the power of ML increase your catch rate without increasing noise

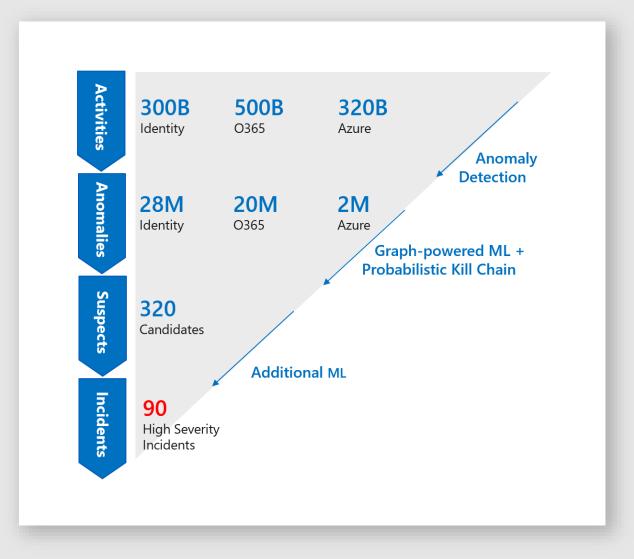
Use built-in models – no ML experience required

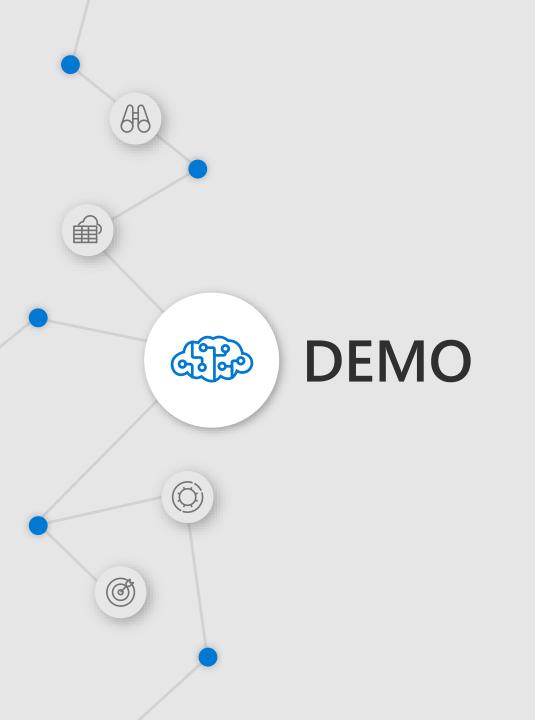
Detects anomalies using transferred learning

Fuses data sources to detect threats that span the kill chain

Simply connect your data and learning begins

Bring your own ML models (coming soon)







The Microsoft Threat Intelligence Center names activity groups after



Elements of the period table are used to name activity groups.

A recent <u>blog post</u>, highlighted activity by 'Phosphorous' to target users relate to the US presidential campaign.

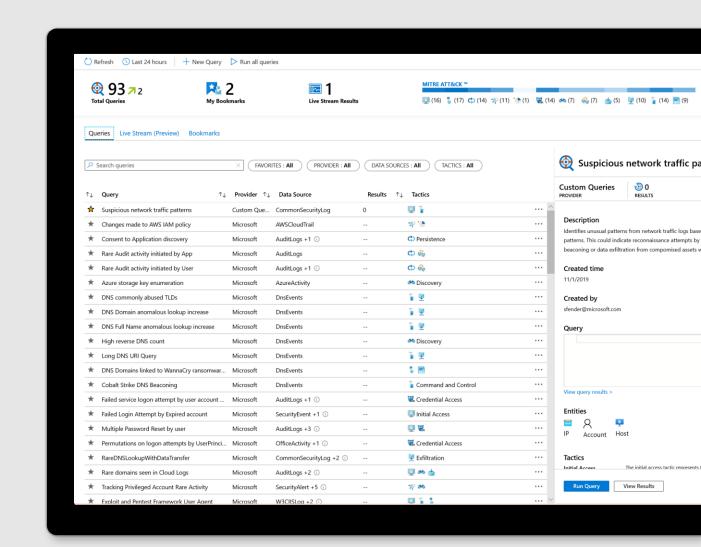


Start hunting over security data with fast, flexible queries

Run built-in threat hunting queries - no prior query experience required

Customize and create your own hunting queries using KQL

Integrate hunting and investigations

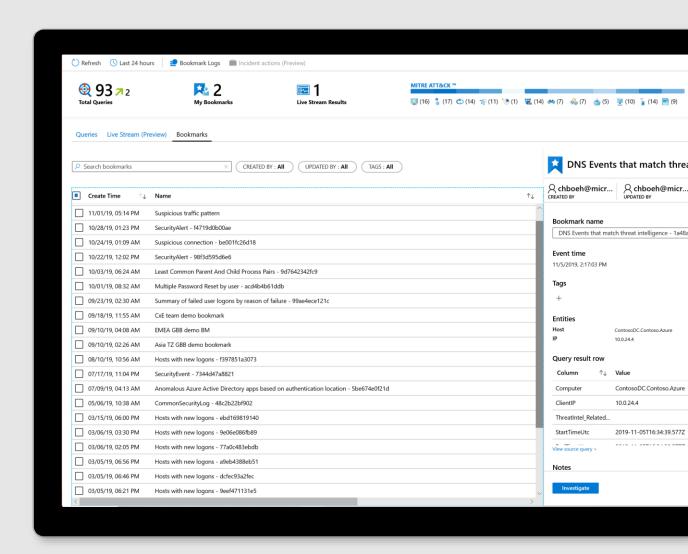


Use bookmarks and live stream to manage your hunts

Bookmark notable data

Start an investigation from a bookmark or add to an existing incident

Monitor a live stream of new threat related activity



Use Jupyter notebooks for advanced hunting

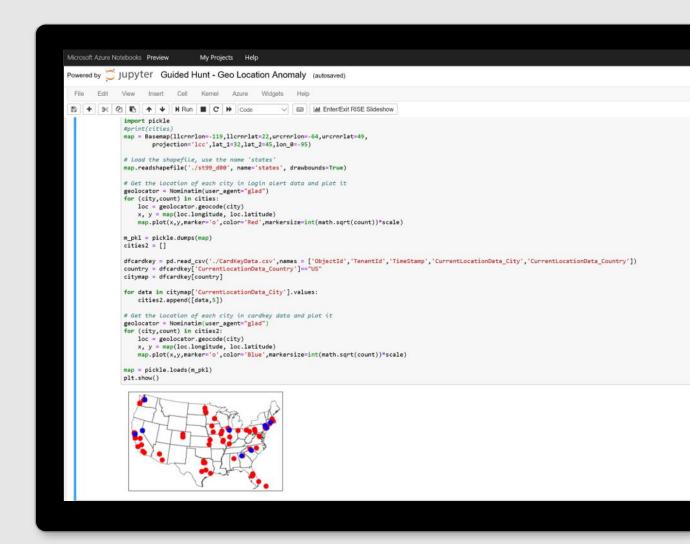
Run in the Azure cloud

Save as sharable HTML/JSON

Query Azure Sentinel data

Bring external data sources

Use your language of choice - Python, SQL, KQL, R, ...



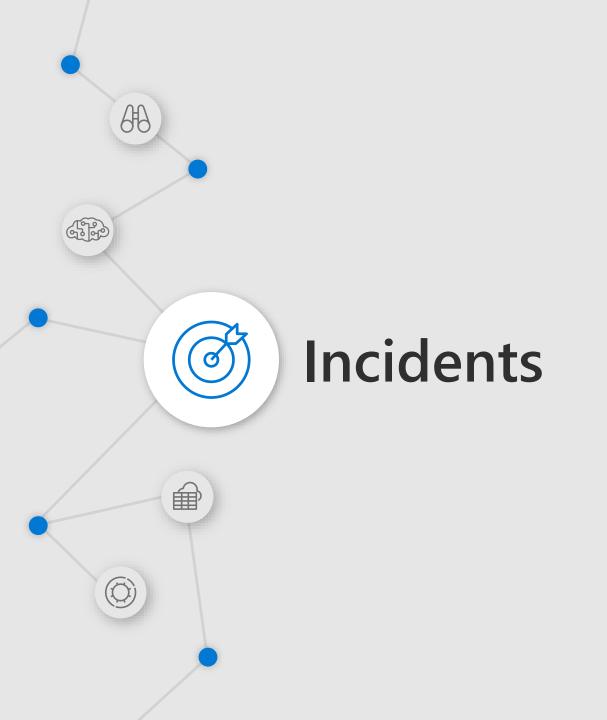




Where can you find and share hunting queries for Azure Sentinel?



Hundreds of contributions, including data connectors, workbooks, analytics rules, queries, notebooks, parsers, functions, and playbooks are available on <u>GitHub</u>.



7

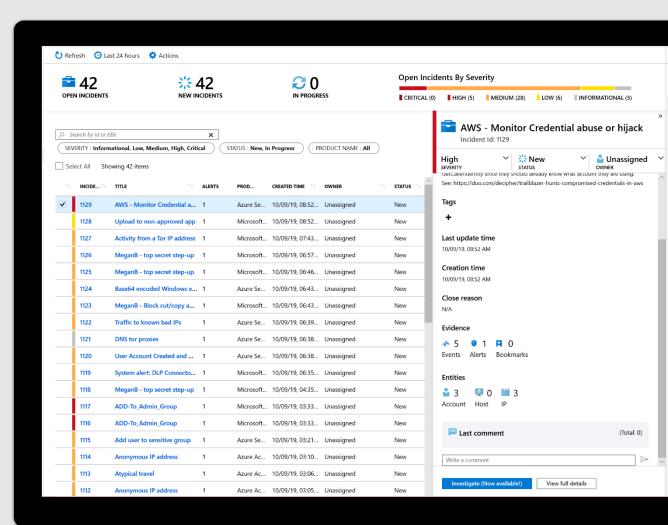
Start and track investigations from prioritized, actionable security incidents

Use incident to collect related alerts, events, and bookmarks

Manage assignments and track status

Add tags and comments

Trigger automated playbooks



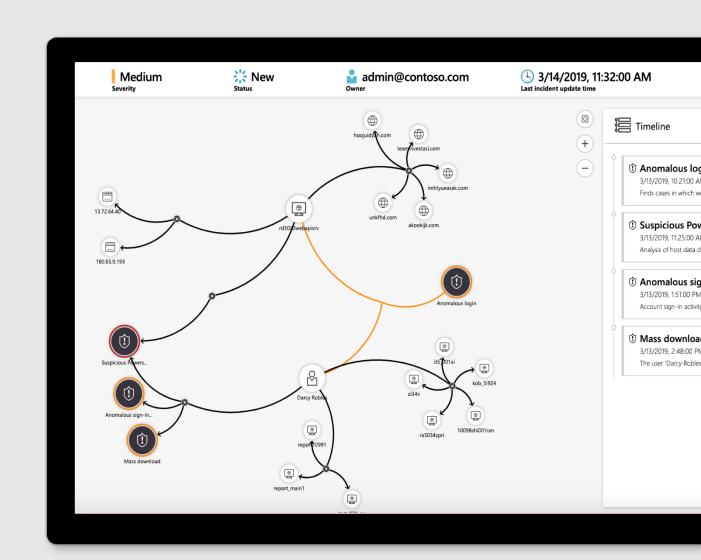
Visualize the entire attack to determine scope and impact

Navigate the relationships between related alerts, bookmarks, and entities

Expand the scope using exploration queries

View a timeline of related alerts, events, and bookmarks

Gain deep insights into related entities – users, domains, and more

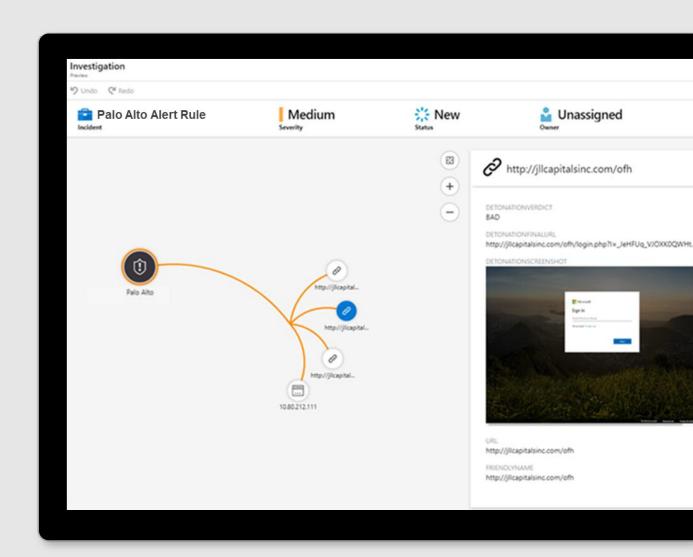


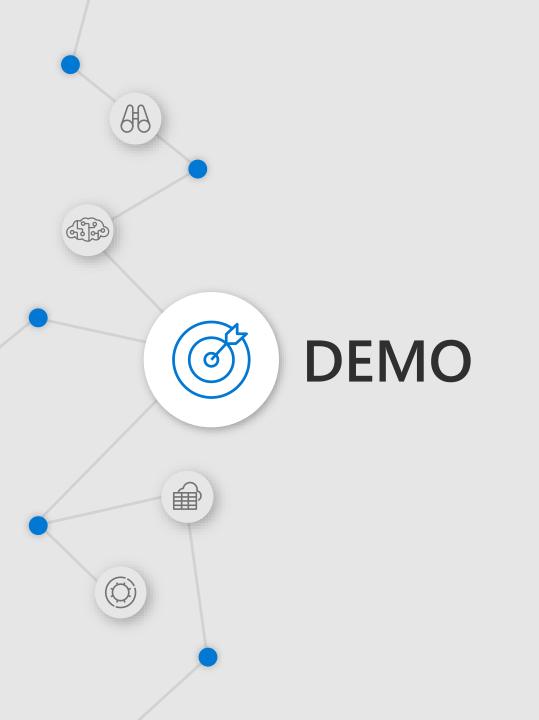
Gain deeper insight with built-in automated detonation

Configure URL Entities in analytics rules

Automatically trigger URL detonation

Enrich alerts with Verdicts, Final URLs and Screen Shots (e.g. for phishing sites)







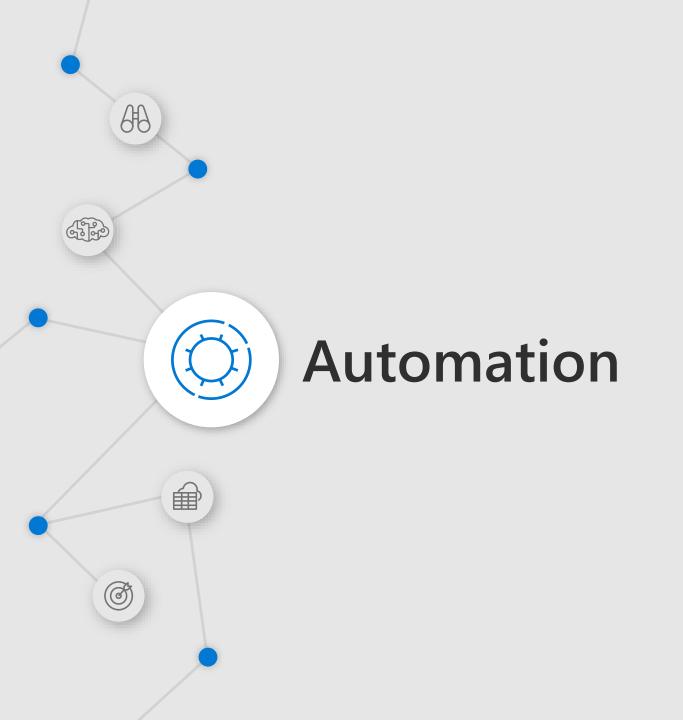
"Defenders think in _____. Attackers think in ____."

-John Lambert, Microsoft Threat Intelligence Center



"Defenders think in <u>lists.</u>

Attackers think in <u>graphs.</u>"



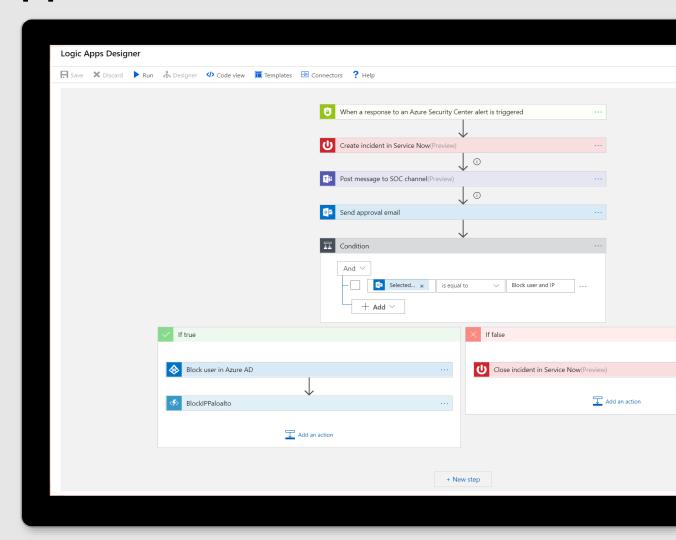
Automate and orchestrate security operations using integrated Azure Logic Apps

Build automated and scalable playbooks that integrate across tools

Choose from a library of samples

Create your own playbooks using 200+ built-in connectors

Trigger a playbook from an alert or incident investigation



Example playbooks



Assign an Incident to an Analyst
Open a Ticket (ServiceNow/Jira)
Keep Incident Status in Sync
Post in a Teams or Slack Channel



Lookup Geo for an IP

Trigger Defender ATP Investigation

Send Validation Email to User

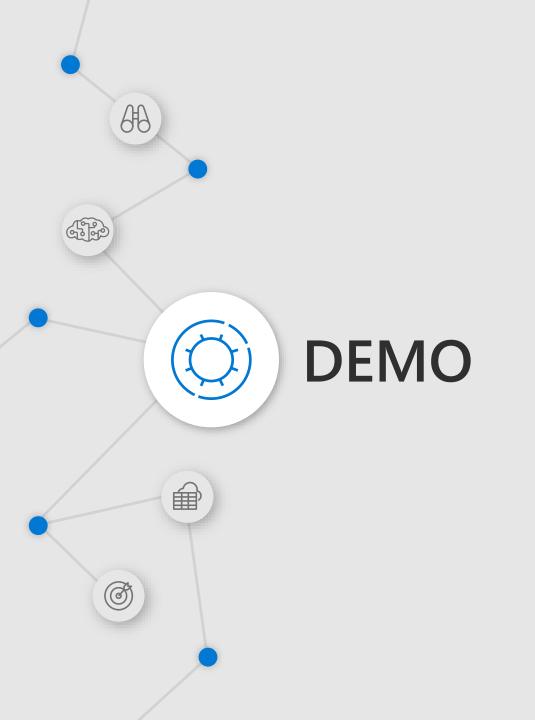


Block an IP Address

Block User Access

Trigger Conditional Access

Isolate Machine



Roadmap

Delivered Since Public Preview

Microsoft and 3P Data Connectors – Defender ATP, Cloud App Security, Zscaler, and More

100+ Build-In Detections – Rule-Based and ML

Investigation Graph and Entities

Workbooks with Improved Data Visualizations

Support for Incident Automation

Embedded Azure Notebooks

Live Stream Monitoring of Notable Events

GitHub Integration

URL Detonation

Coming Soon

Additional Data Connectors – More Microsoft Services, Logstash, ...

New Built-In Detections – Rule-Based and ML

Additional Detections Powered by Microsoft Threat Intelligence

Bring Your Own ML Models

Threat Intelligence Research, Including Full STIX Objects

Entity Pages – Users, Domains, IPs

And much more...

Azure Sentinel sessions @Ignite 2019

Session Code	Session Title	Date	Time
SEC150	Modernize your SIEM in the cloud with Azure Sentinel	11/6	3:15 - 4:00 PM
BRK3236	Get instant value from your SIEM: Best practices for Azure Sentinel	11/7	10:45 - 12:00
THR2174	Using Azure Sentinel to supercharge your threat hunting	11/6	5:00 - 5:20 PM
THR2159	Threat Hunting in the Cloud with Azure Sentinel and Jupyter Notebooks	11/7	3:05 - 3:25 PM
Hands-on workshop WRK3033R	Investigate and respond to events with Azure Sentinel	11/5 11/6 11/8	2:15 - 03:30 PM 9:00 - 10:15 AM 9:00 - 10:15 AM

Take actions today—Get started with Azure Sentinel



Start
Microsoft Azure trial

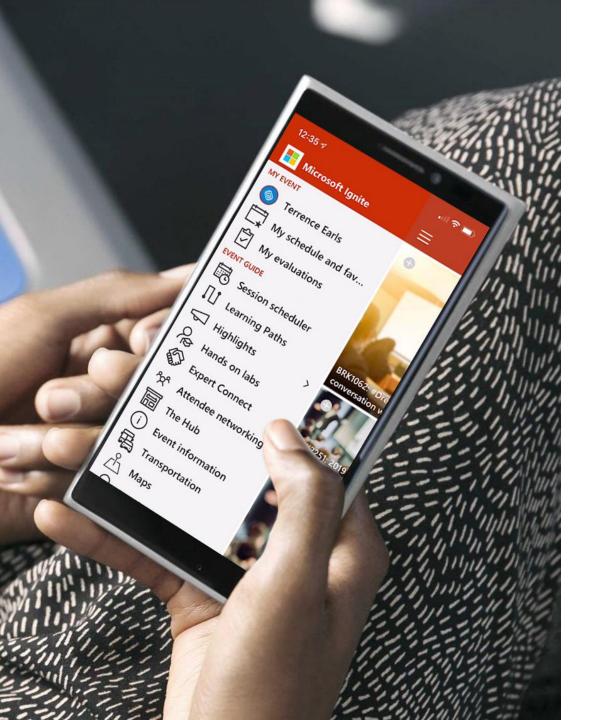


Create Azure Sentinel instance



Connect data sources

To learn more, visit https://aka.ms/AzureSentinel



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