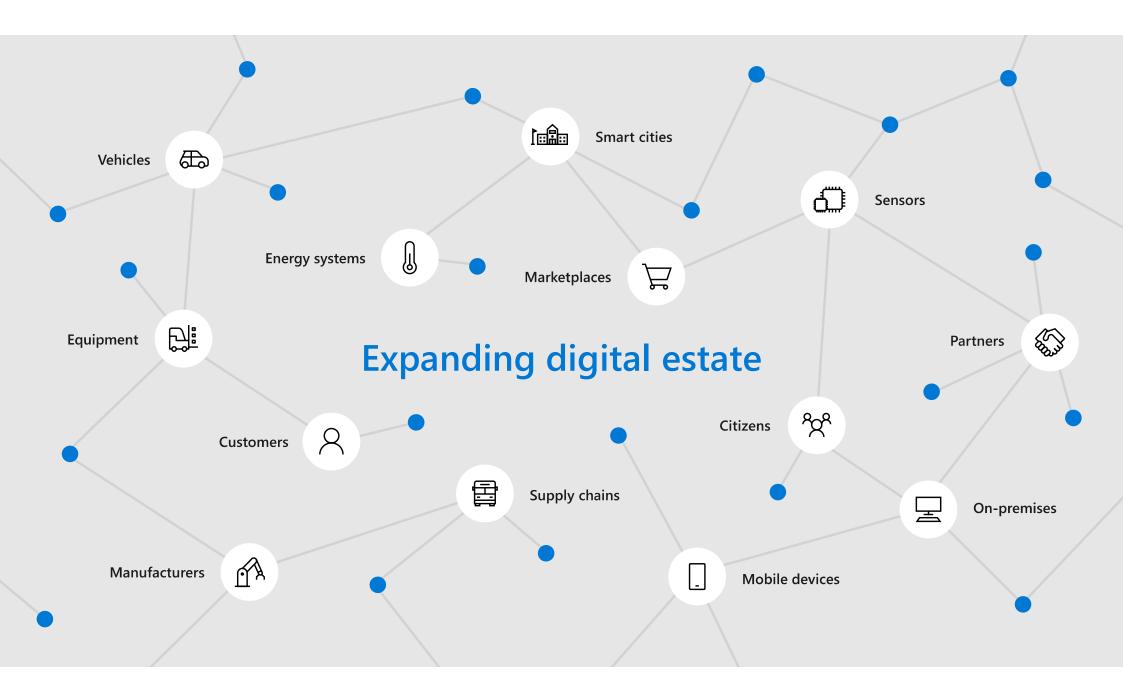
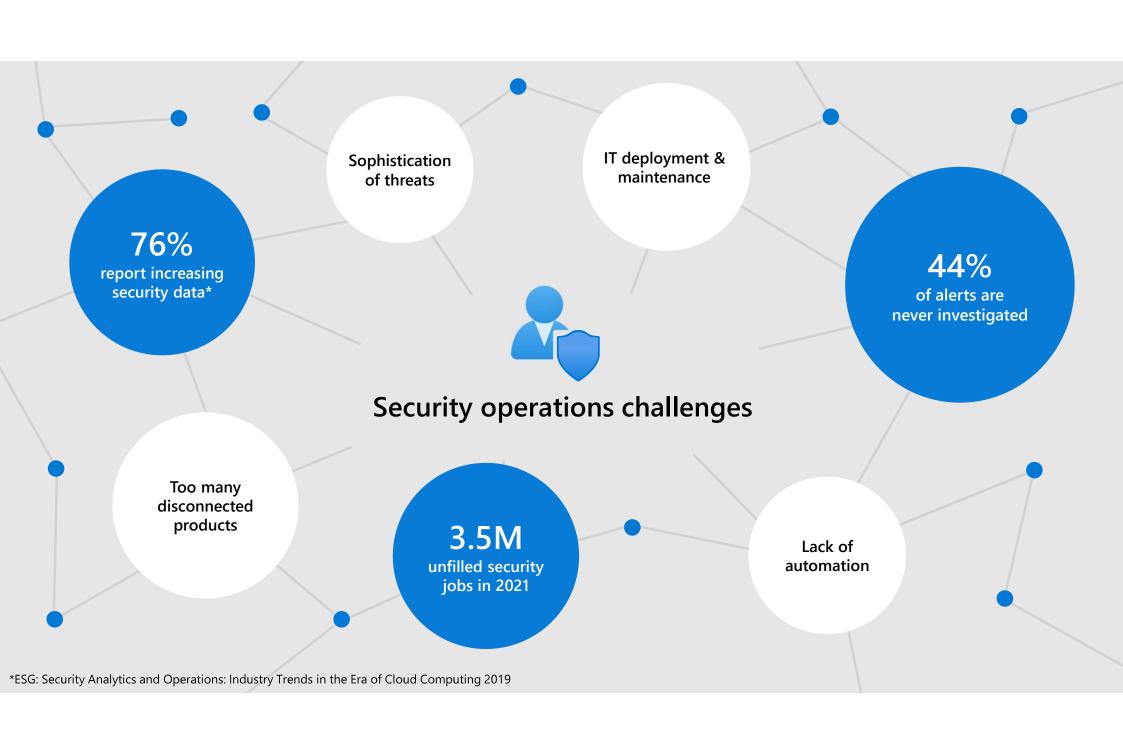
Protect yourself with Azure Sentinel

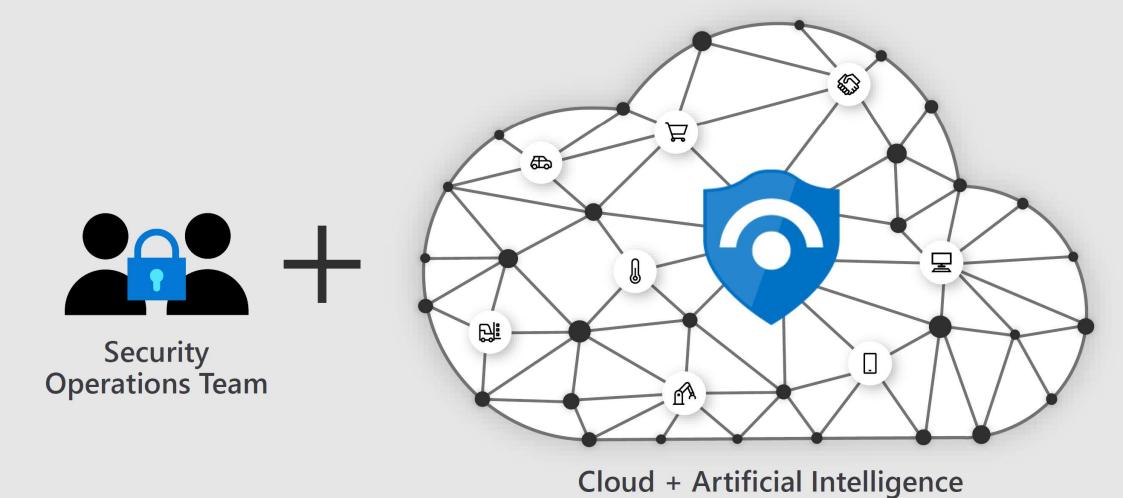
Ed Baker @edbaker1965 MVP, MCT Regional Lead

Protect yourself with Azure Sentinel

Assets available at https://github.com/edbakermct/sentinel





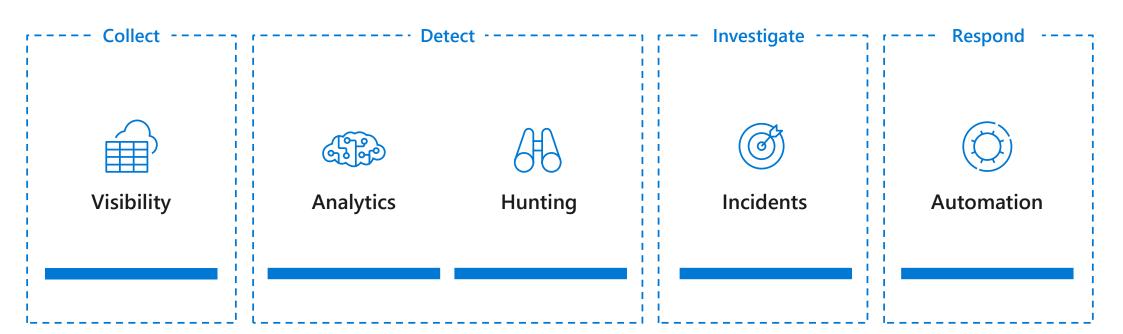


Introducing Azure Sentinel

INTELLIGENT, CLOUD-NATIVE SIEM



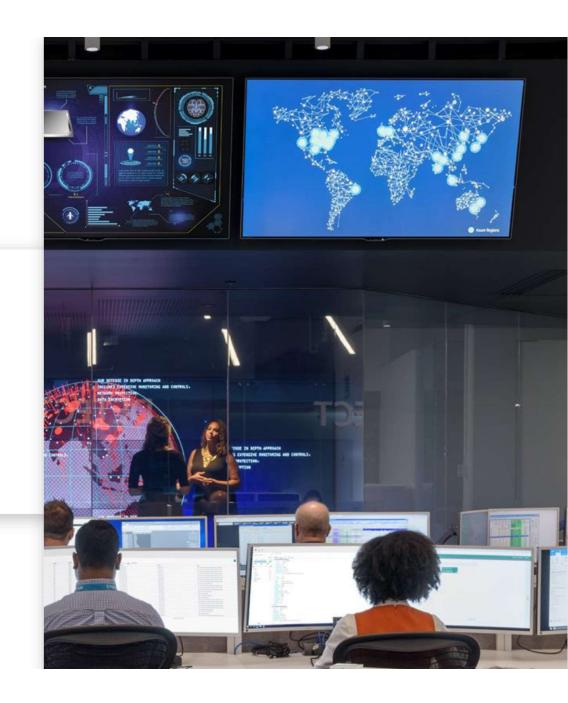
End-to-end solution for security operations



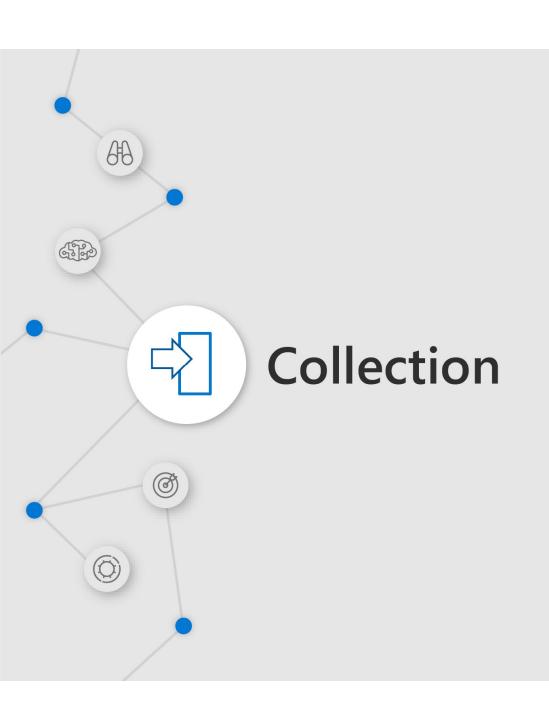
Powered by community + backed by Microsoft's security experts

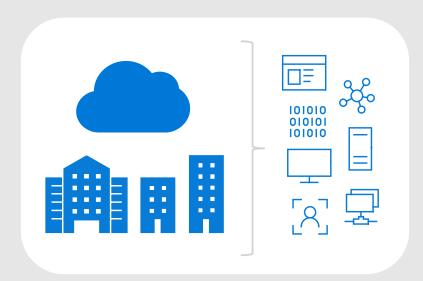
Microsoft Security Advantage

- \$1B annual investment in cybersecurity
- 3500+ global security experts
- Trillions of diverse signals for unparalleled intelligence

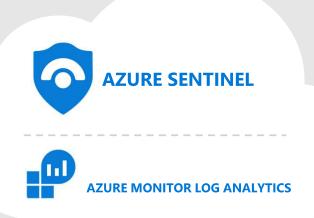




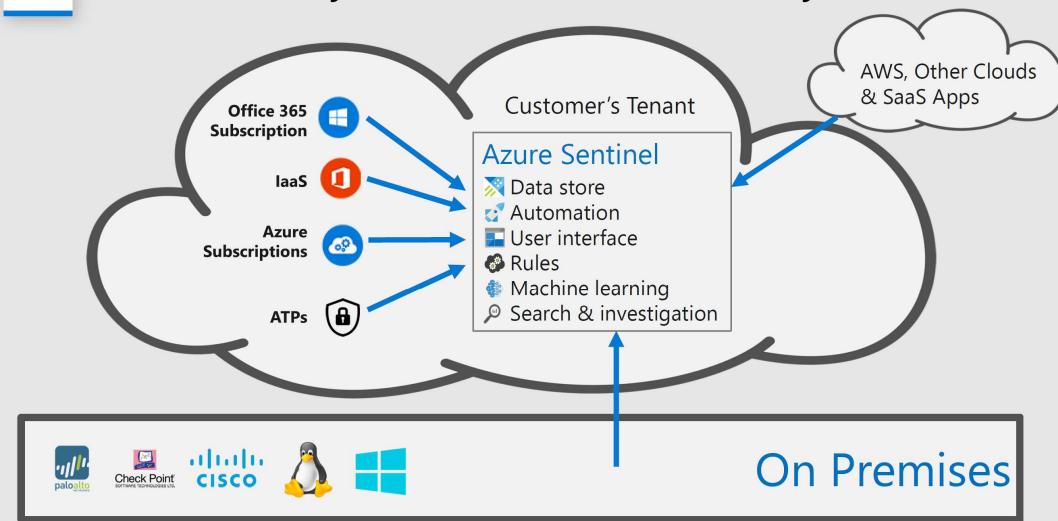


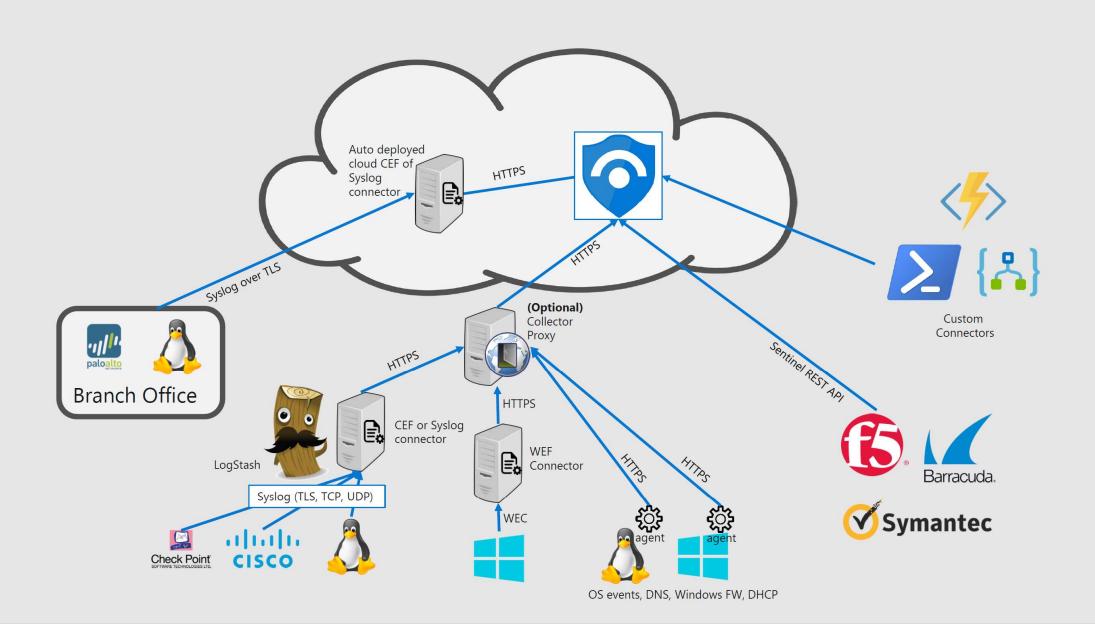


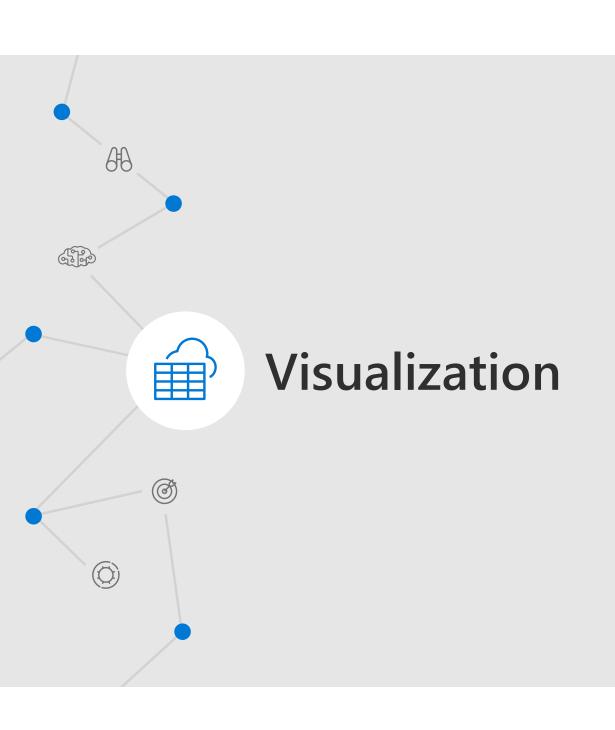




Collect security data at cloud scale from any source







Use workbooks to power interactive dashboards

Choose from a gallery of workbooks

Customize or create your own workbooks using queries

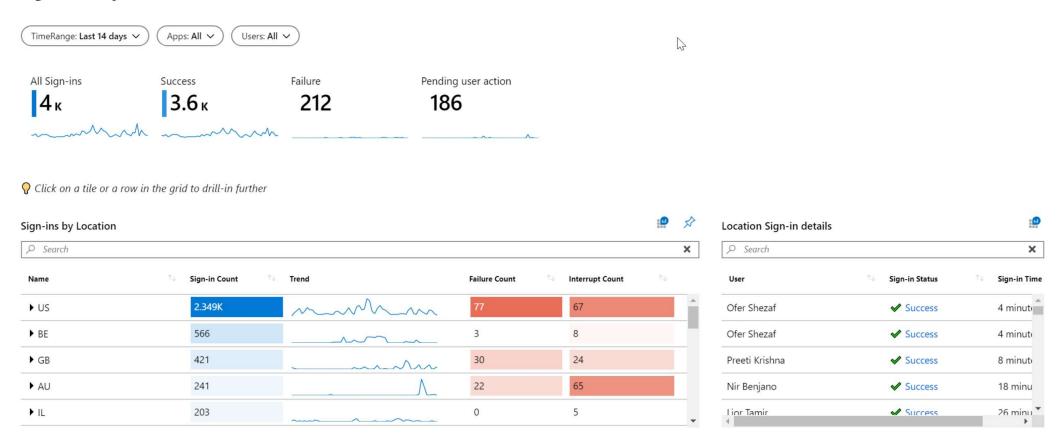
Take advantage of rich visualization options

Gain insight into one or more data sources



Workbooks: interactive dashboarding

Sign-in Analysis



Workbooks: full customization

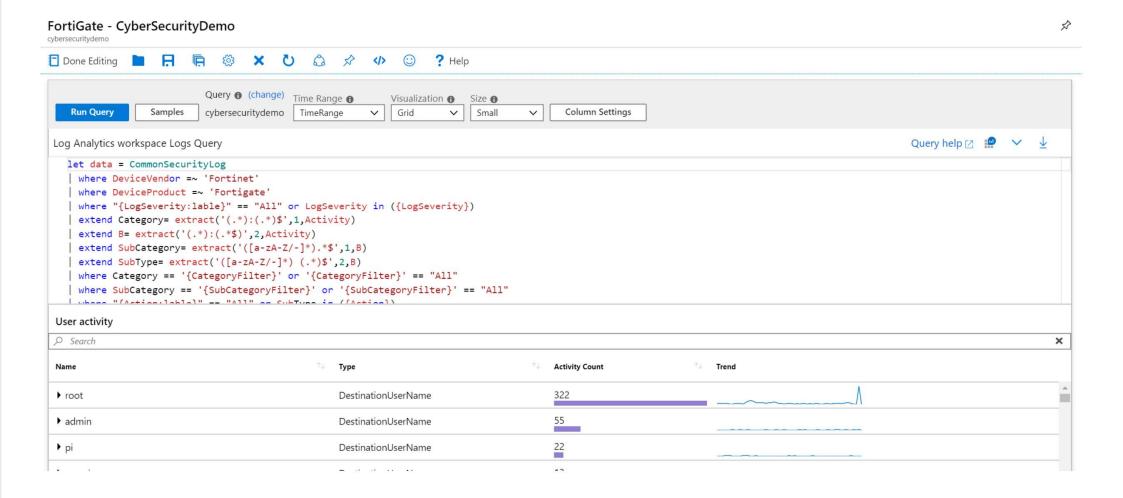
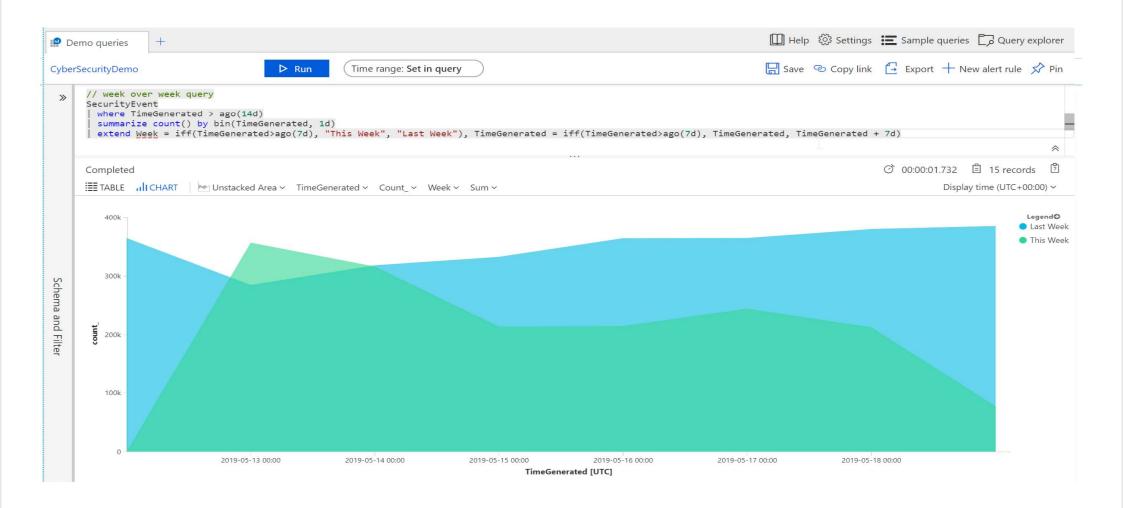


Chart search results





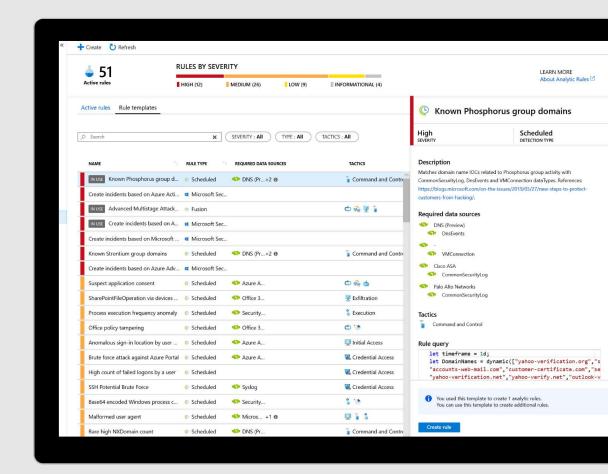
Leverage analytics to detect threats

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



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

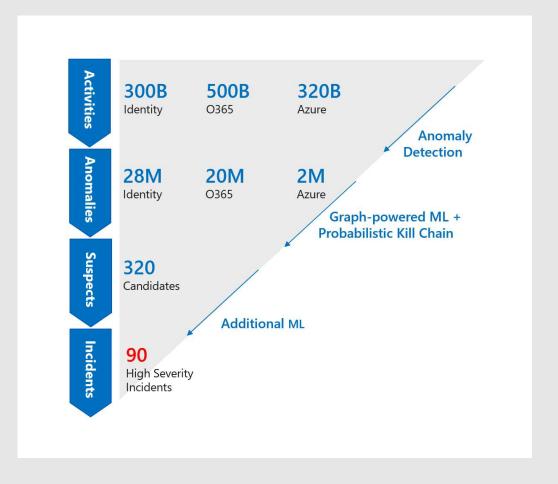
Use built-in models – no ML experience required

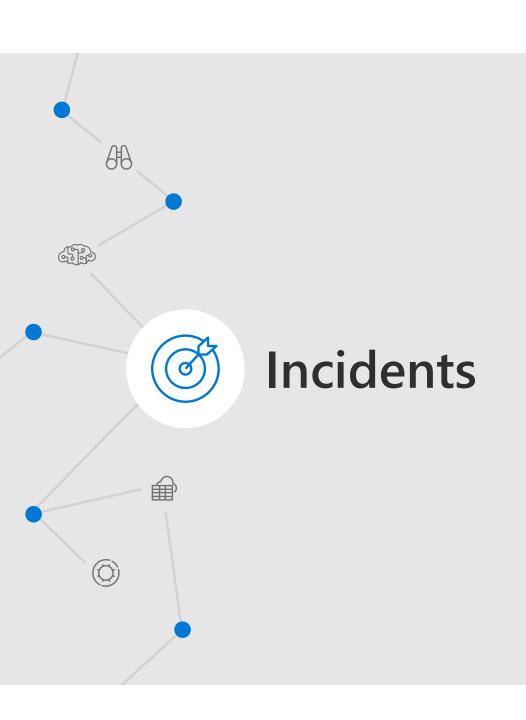
Detects anomalies using transferred learning

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)





5

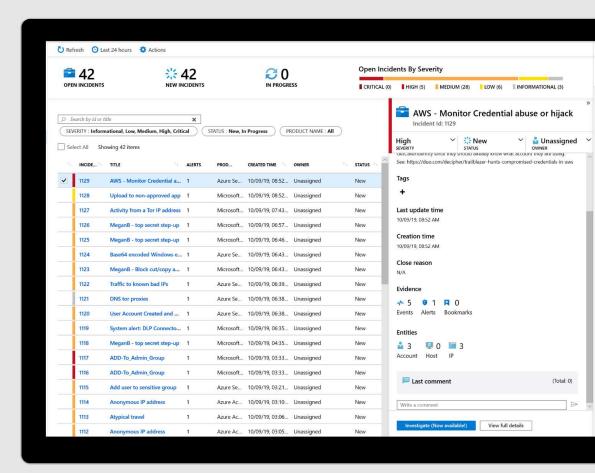
Start and track investigations from prioritized, actionable security incidents

Use incident to collect related alerts, events, and bookmarks

Manage assignments and track status

Add tags and comments

Trigger automated playbooks



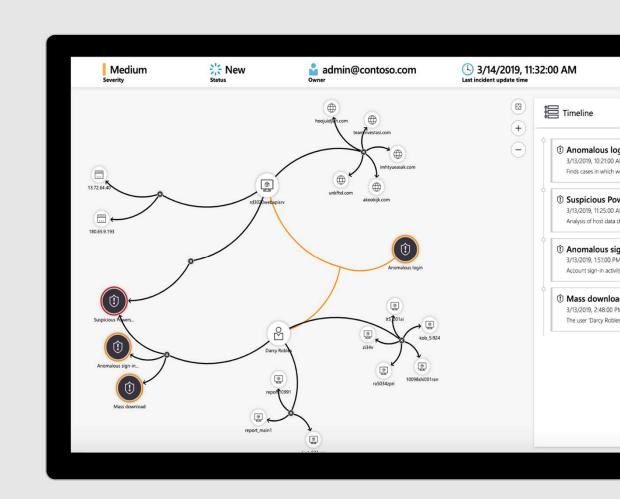
Visualize the entire attack to determine scope and impact

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

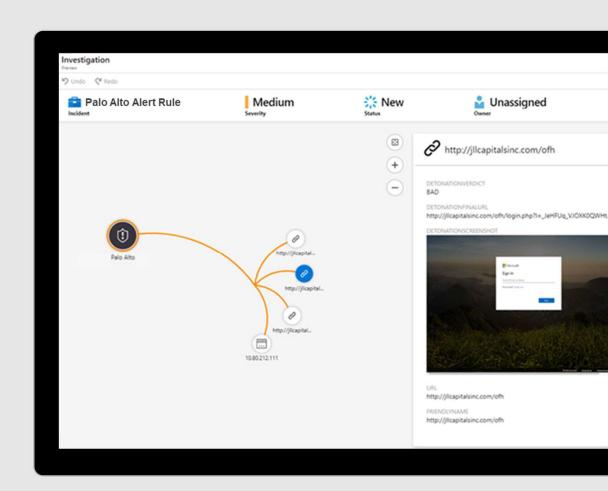


Gain deeper insight with built-in automated detonation

Configure URL Entities in analytics rules

Automatically trigger URL detonation

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



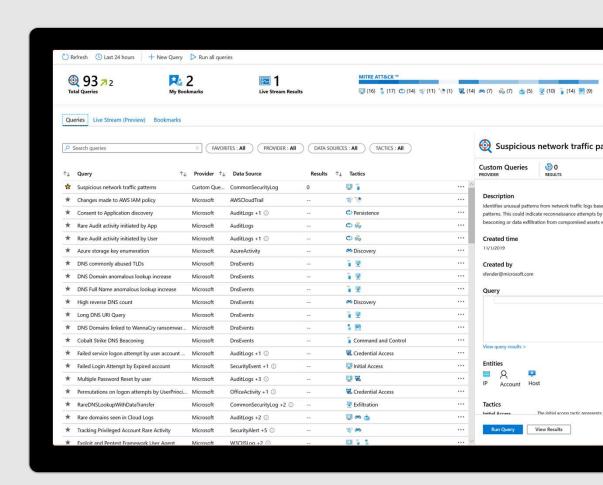


Start hunting over security data with fast, flexible queries

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

Customize and create your own hunting queries using KQL

Integrate hunting and investigations

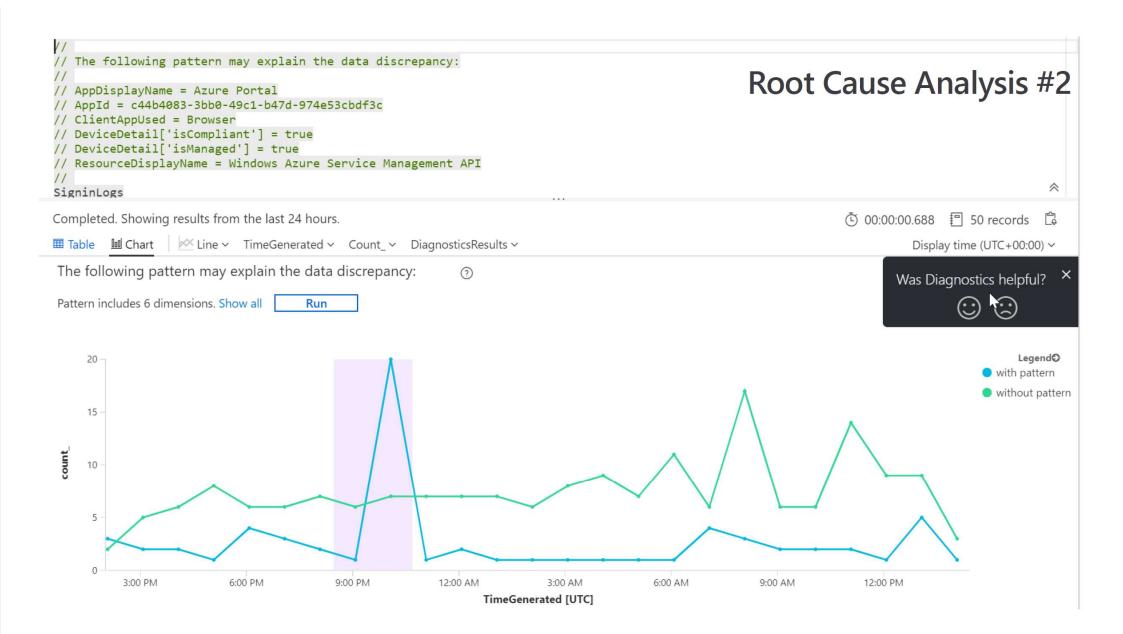


Tabulate your data

Visualize query results

Automatically detect and plot anomalies in data



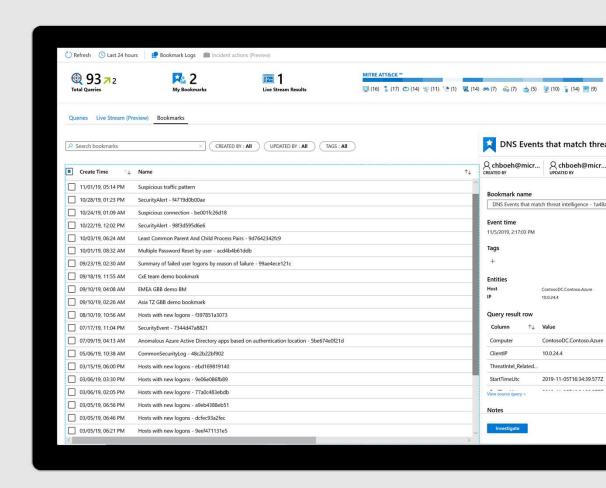


Use bookmarks and live stream to manage your hunts

Bookmark notable data

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

Monitor a live stream of new threat related activity



10 Use Jupyter notebooks for advanced hunting

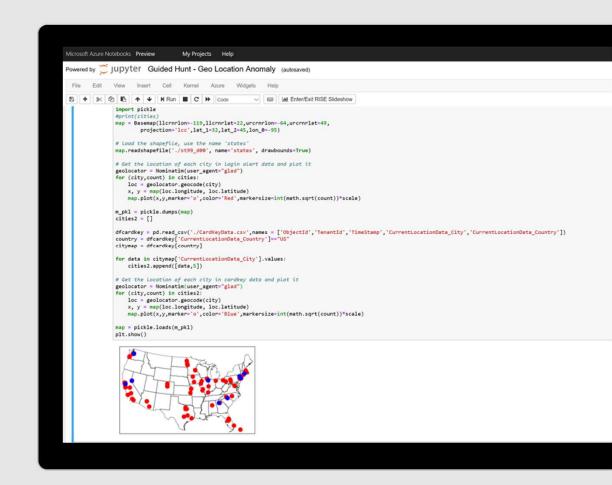
Run in the Azure cloud

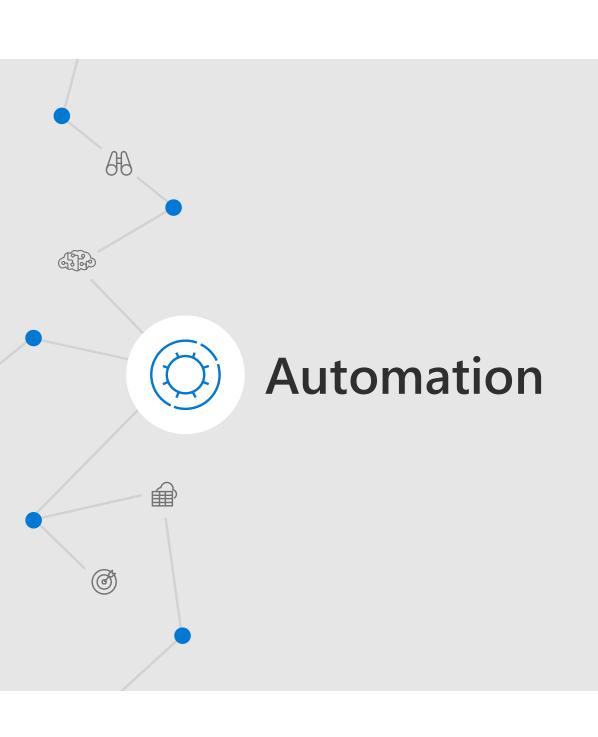
Save as sharable HTML/JSON

Query Azure Sentinel data

Bring external data sources

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





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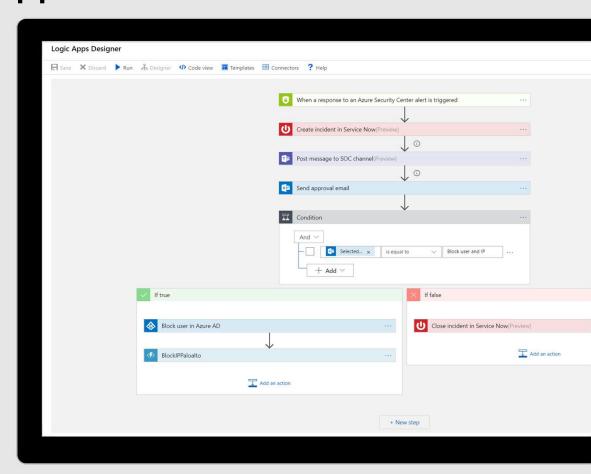
Automate and orchestrate security operations using integrated Azure Logic Apps

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



Incident Management

Assign an Incident to an Analyst

Open a Ticket (ServiceNow/Jira)

Keep Incident Status in Sync

Post in a Teams or Slack Channel



Enrichment + Investigation

Lookup Geo for an IP

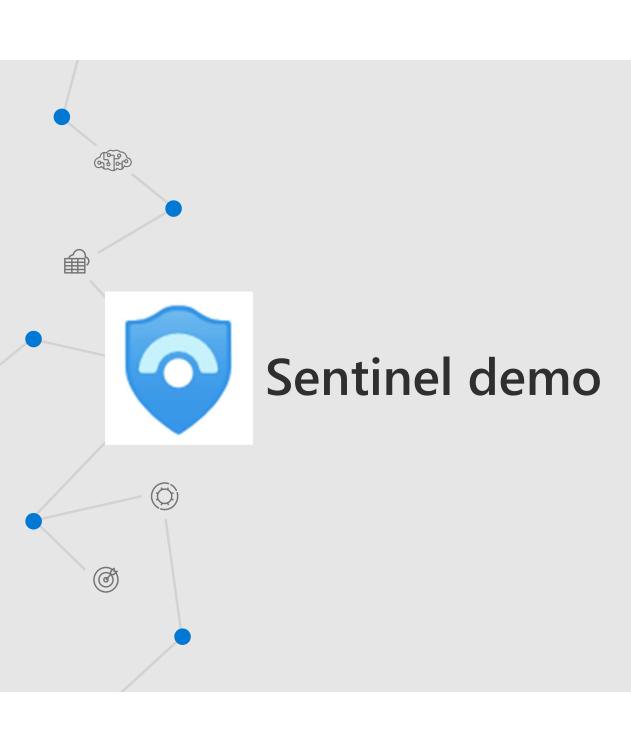
Trigger Defender ATP Investigation

Send Validation Email to User



Remediation

Block an IP Address
Block User Access
Trigger Conditional Access
Isolate Machine



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

Festive Tech Calendar 2020

Ed Baker @edbaker1965

