WhoamI

- Old School gamer
- Discgolfer
- Purple teamer (mostly blue)
- Always curious (Geek)
- Father

What my friends say: Anders is born lucky





Anders Kristiansen
Principal
Azure Security Lead





Microsoft sentinel





Agenda



Kort oversikt over Microsoft Sentinel



Arkitekturen til Microsoft Sentinel



Sentinel Case study: DataCollection Rules og betydningen av dette for kostnadskontroll og deteksjon.



Demo av Security Pilot.



Kostnadskontroll



? Spørsmål

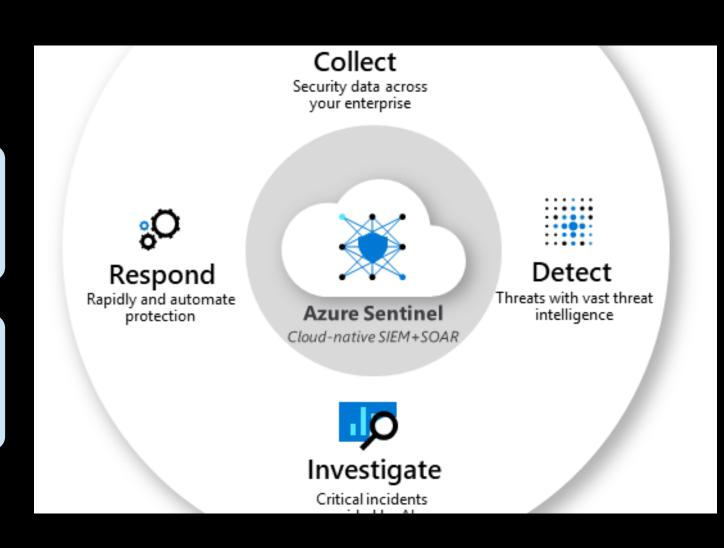
Oversikt av Microsoft Sentinel



-Microsoft Sentinel og dens rolle innen sikkerhetsinformasjon og hendelseshåndtering.



- Sentrale funksjoner og fordeler.







SOC admin



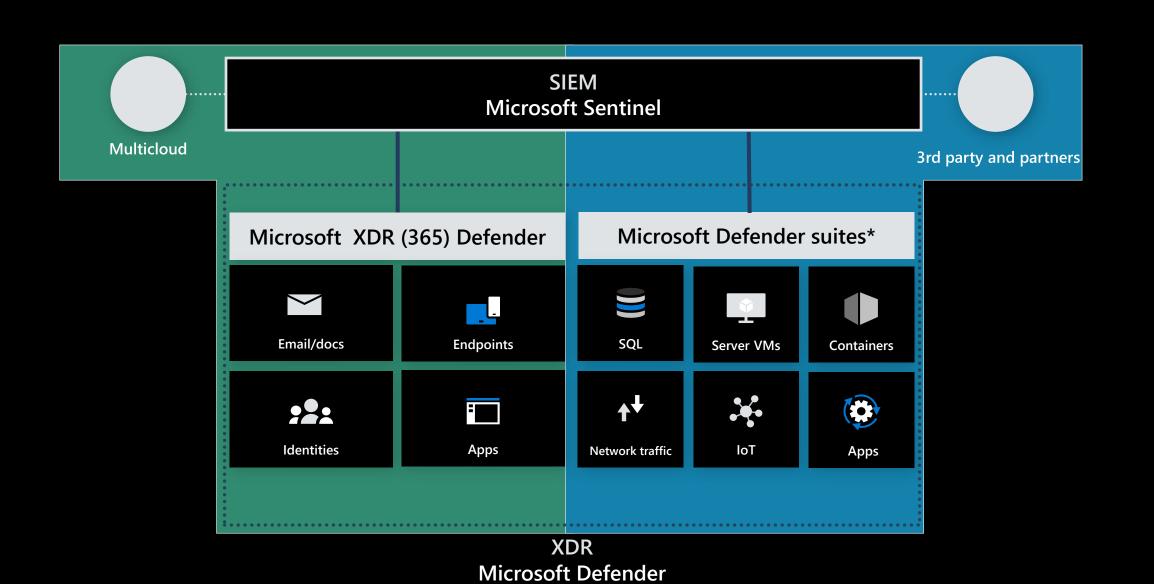
Source: Ignite2023

Hva skal jeg bruke min SIEM til?

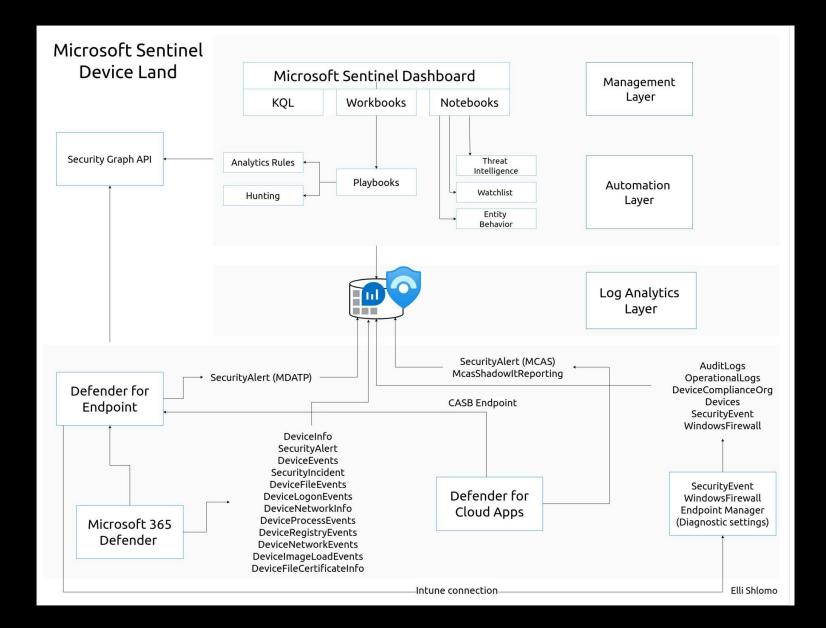
Ende til ende løsning for sikkerhets operasjoner



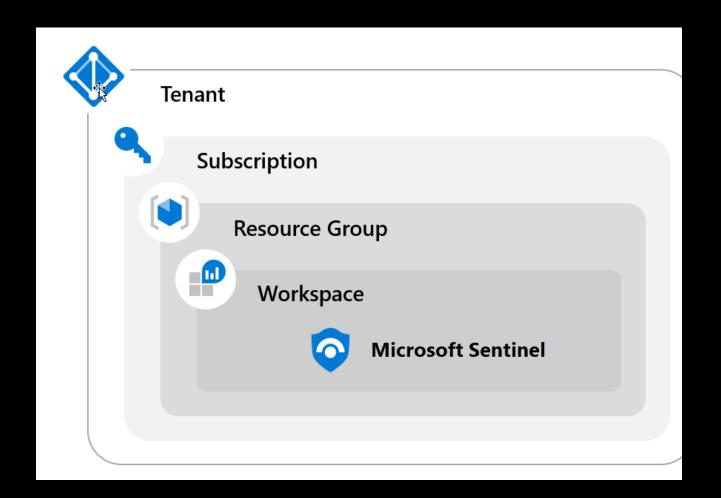
Microsoft Security Copilot >>>



Sentinel Arkitektur



Eksempel: Singel workspace

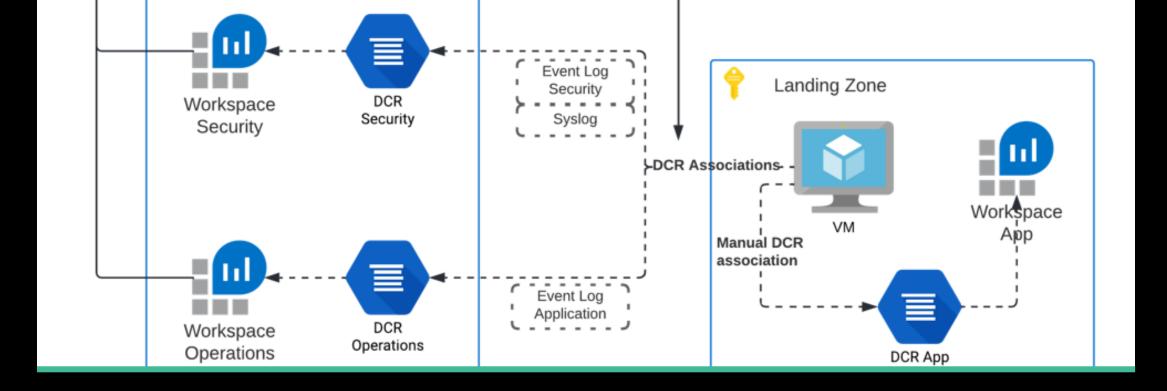


Fordeler:

- Single Pane of Glass
- Lettere query all info
- Log Analytics RBAC for data plane access
- Sentinel RBAC for sentinel

Ulemper:

- kostnad (cross region / opslogs)
- Kan by på data governance krav.



Fordeler:

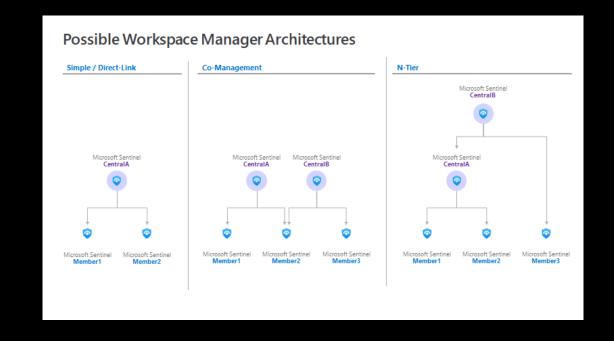
- kostnads besparende
- Kan delegere ansvar basert på rolle
- Kan logge mer operasjonell data I opslog*

Ulemper:

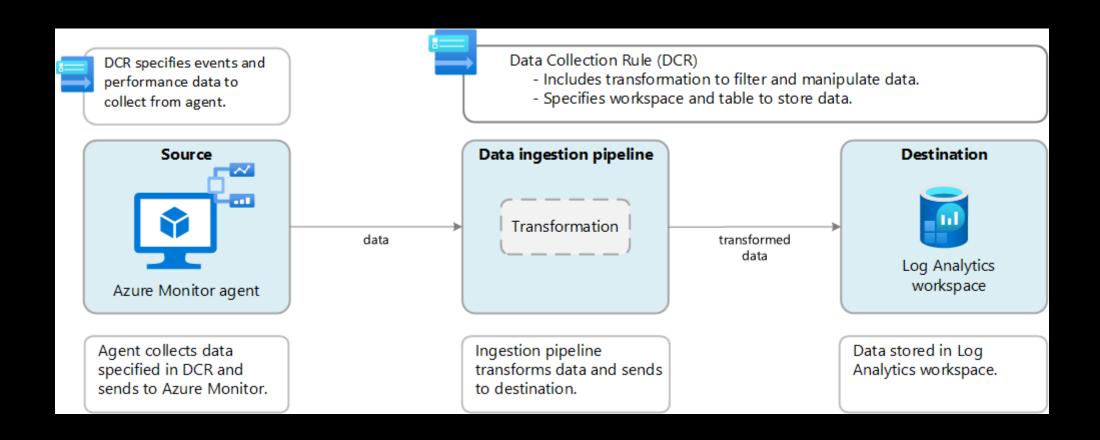
- Mer kompleks med azure policy, DCR.
- cross query
- Kan bli vanskelig bestemme seg for hvilke logger som skal hvor.

Workspace manager (preview)

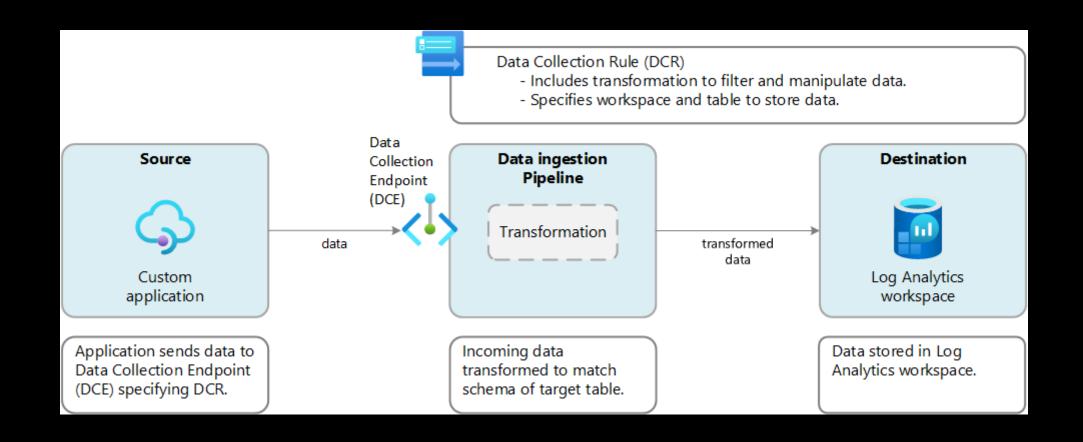
- **Direktekobling** er den minst komplekse oppsettet. Kontroller alle medlems-workspaces med bare ett sentralt arbeidsområde.
- Co-Management støtter scenarier der mer enn ett sentralt arbeidsområde må administrere et medlemsarbeidsområde. For eksempel workspaces som samtidig administreres av et internt SOC-team og en MSSP.
- N-Tier støtter komplekse scenarier der et sentralt arbeidsområde kontrollerer et annet sentralt arbeidsområde. For eksempel ett selskap som administrerer flere datterselskaper, der hvert datterselskap også administrerer flere workspaces.



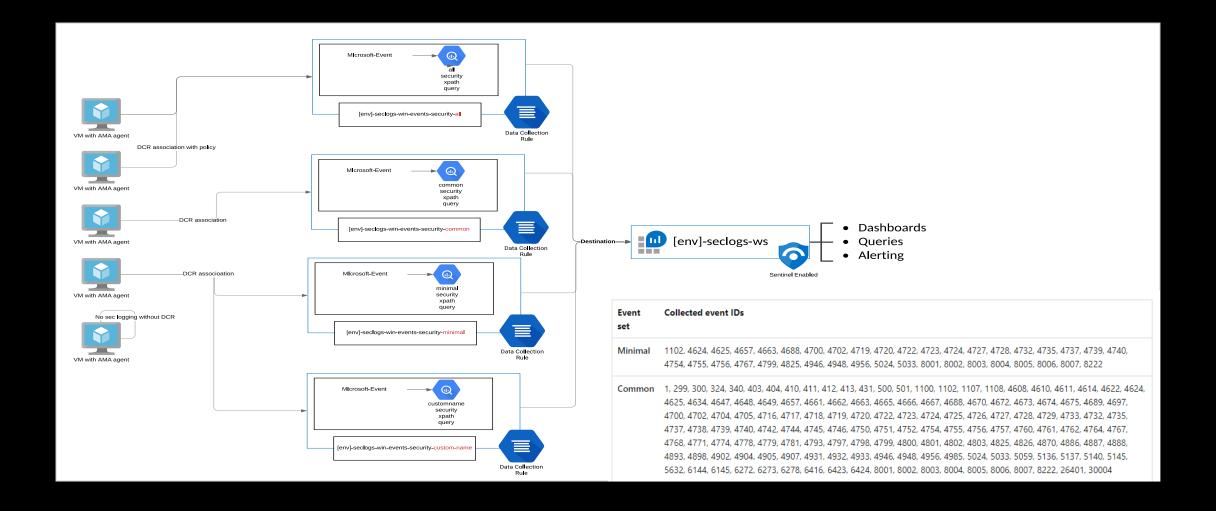
Data collection rules (DCR)

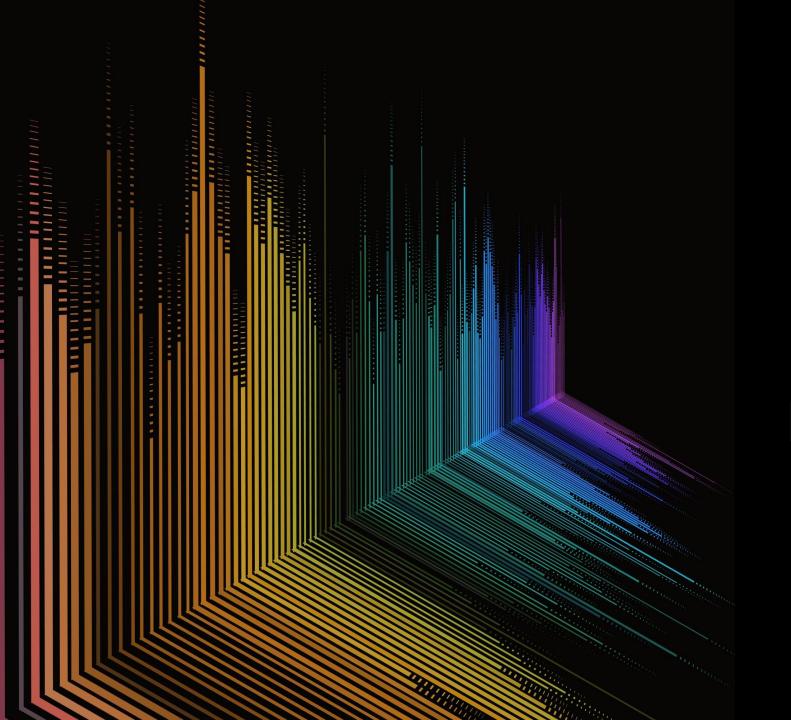


Datacollection endpoint (DCE)

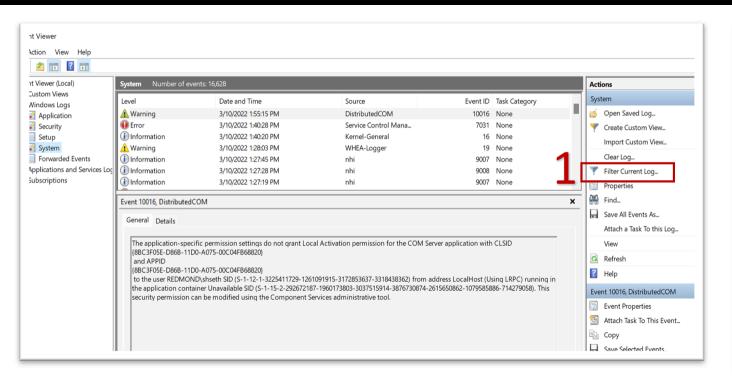


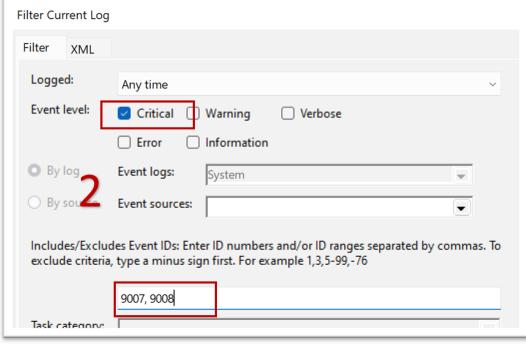
VM logging

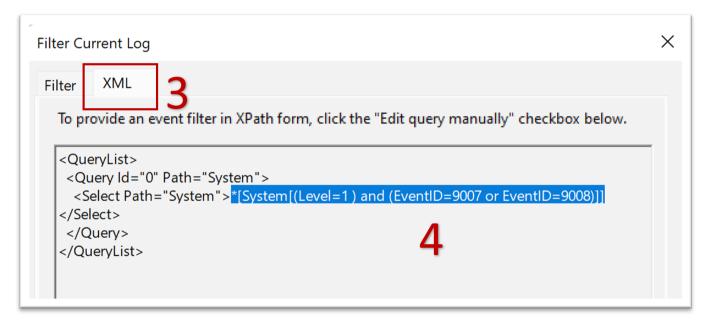


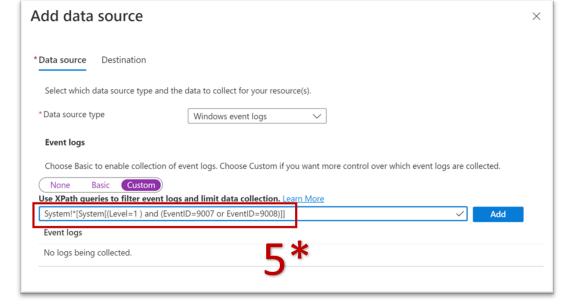


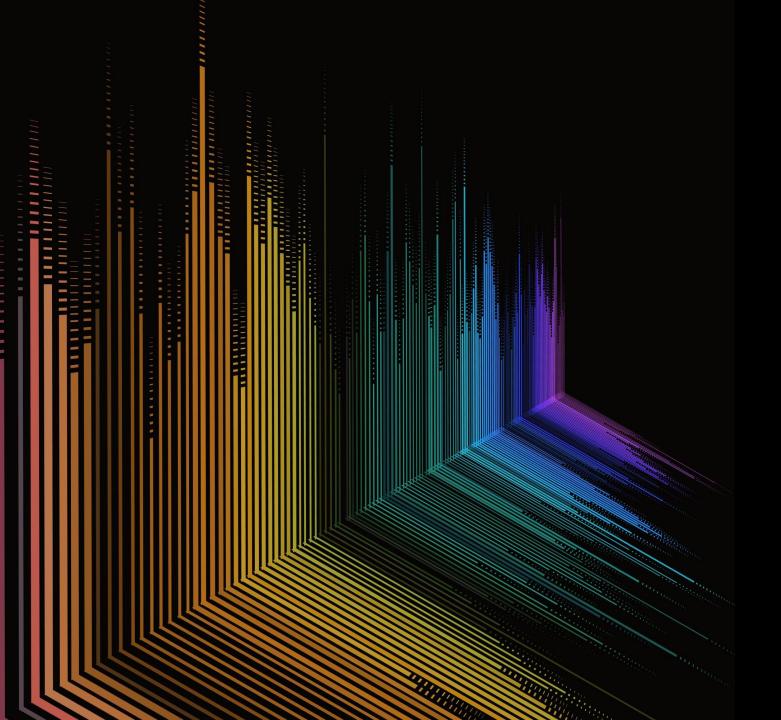
Demo











Security Copilot

kostkontroll

06/26/2024



Pay-as-you-go

Per GB

The Pay-as-you-go pricing tier offers flexible consumption pricing in which you are charged per GB of data ingested. This only includes estimated costs from data ingestion to aid selecting the optimal pricing.

Estimated costs

| Item type | Price | Monthly usage (last 31 days) | Estimated monthly data ingestion |
|-------------------------------|-----------|------------------------------|----------------------------------|
| | | | cost |
| Analytics Logs data ingestion | 30.04 SEK | 5640.78 GB | 169,449.17 SEK |
| Basic Logs data ingestion | 6.53 SEK | 0.00 GB | 0.00 SEK |
| Microsoft Defender allowance | 0.00 US\$ | 0.00 GB | 0.00 US\$ |
| Total | | | 169,449.17 SEK |

(These estimated costs do not include Microsoft Defender costs. The Microsoft Defender 500 MB/node/day data allowance is factored into the estimate of Log Analytics billing. Learn more.)

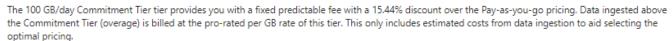


1 Due to the commitment period in another pricing tier, this tier cannot be selected until Mon, 04 Dec 2023 12:42:03 GMT.

Select

100 GB/day Commitment Tier

15.44% discount over Pay-as-you-go



Estimated costs

| Item type | Price | Monthly usage (last 31 days) | Estimated monthly data ingestion cost |
|------------------------------|-----------------|------------------------------|---------------------------------------|
| 100 GB/day Commitment Tier | 2,540.32 SEK/da | ay 31 days | 78,749.92 SEK |
| Basic Logs data ingestion | 6.53 SEK | 0.00 GB | 0.00 SEK |
| Microsoft Defender allowance | 0.00 US\$ | 0.00 GB | 0.00 US\$ |
| Overage | 25.40 SEK/GB | 2474.52 GB | 62,860.78 SEK |
| Total | | | 141,610.70 SEK |



Selected workspace: 'contoso-sentinel-workspace'

» Workspace usage report

i Switch to the new simplified pricing experience. Learn more

Switch to new pricing

 \times

Pricing

Settings

Workspace settings >

Microsoft Sentinel is billed for the volume of data analyzed in Microsoft Sentinel and stored in Azure Monitor Log Analytics.

Microsoft Sentinel pricing

There are two ways to pay for the Microsoft Sentinel service: Commitment Tiers and Pay-As-You-Go. The cost for Microsoft Sentinel depends on the pricing tier selected. You can view and change your current Microsoft Sentinel pricing tier below. Learn more about Microsoft Sentinel pricing.

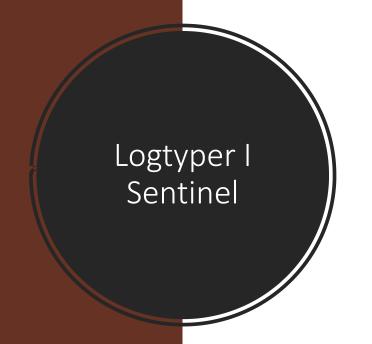
Log Analytics pricing

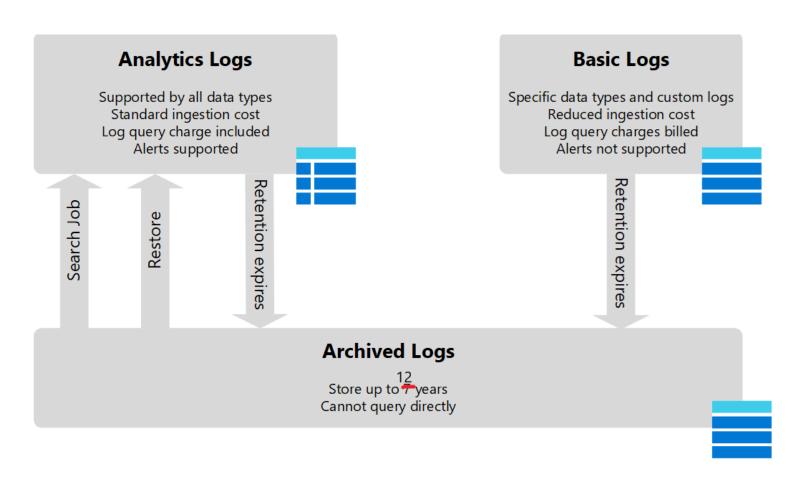
Microsoft Sentinel is built on top of Azure Monitor Log Analytics, which has a similar pricing model to Sentinel with Commitment Tiers and Pay-As-You-Go options. You can view your current Log Analytics pricing tier below. Learn more about Azure Monitor Pricing.

Legacy pricing tiers and dedicated clusters are not displayed in this list. If you are using these pricing models, visit the Log Analytics Usage and Estimated Costs page.

Change Log Analytics tier

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Ny
prismodell
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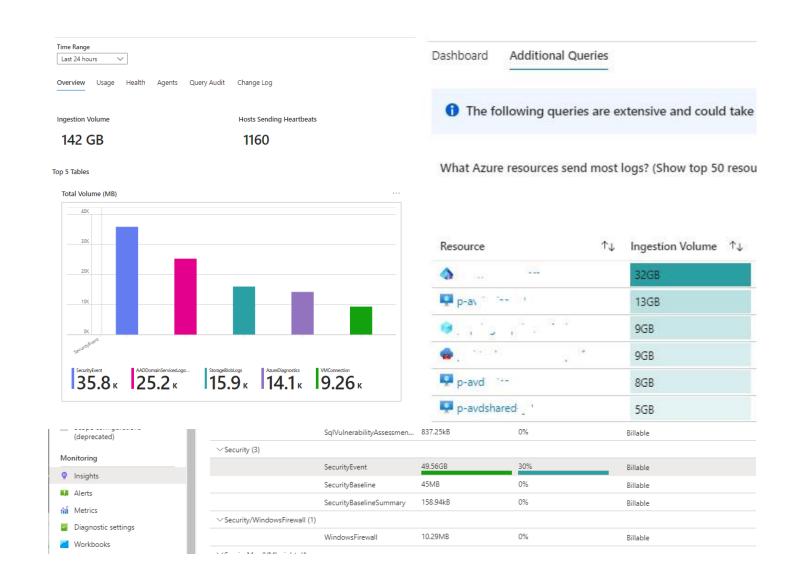


06/26/2024

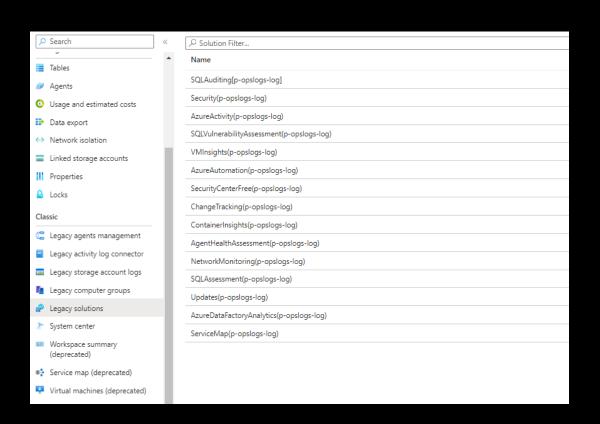
Gratis datakilder

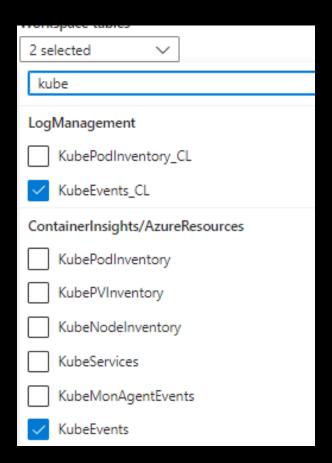
| Microsoft Sentinel data connector | Free data type | |
|-----------------------------------|---|--|
| Azure Activity Logs | AzureActivity | |
| Microsoft Entra ID Protection | SecurityAlert (IPC) | |
| Office 365 | OfficeActivity (SharePoint) | |
| | OfficeActivity (Exchange) | |
| | OfficeActivity (Teams) | |
| Microsoft Defender for Cloud | SecurityAlert (Defender for Cloud) | |
| Microsoft Defender for IoT | SecurityAlert (Defender for IoT) | |
| Microsoft 365 Defender | SecurityIncident | |
| | SecurityAlert | |
| Microsoft Defender for Endpoint | SecurityAlert (MDATP) | |
| Microsoft Defender for Identity | SecurityAlert (AATP) | |
| Microsoft Defender for Cloud Apps | SecurityAlert (Defender for Cloud Apps) | |

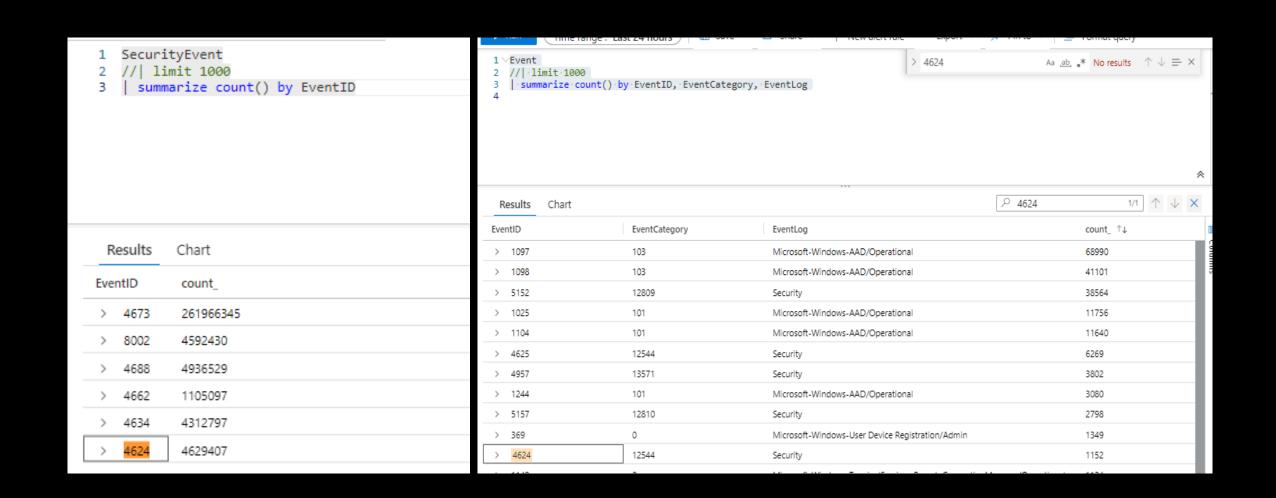
Although alerts are free, the raw logs for some Microsoft 365 Defender, Defender for Cloud Apps, Microsoft Entra ID, and Azure Information Protection (AIP) data types are paid. Exempel med innebygde verktøy



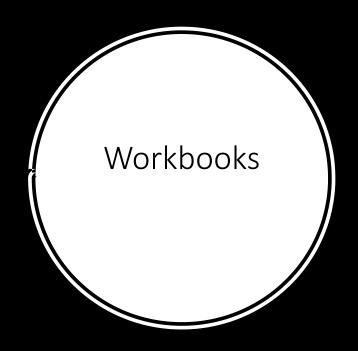
Dual logging setup with legacy solutions:

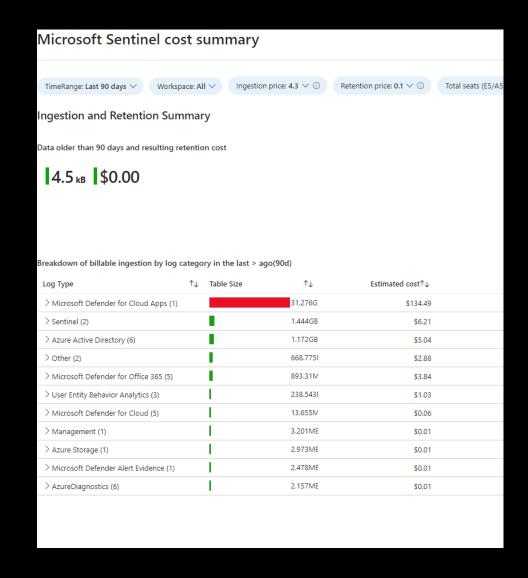






Security solution vs eventlog in AMA



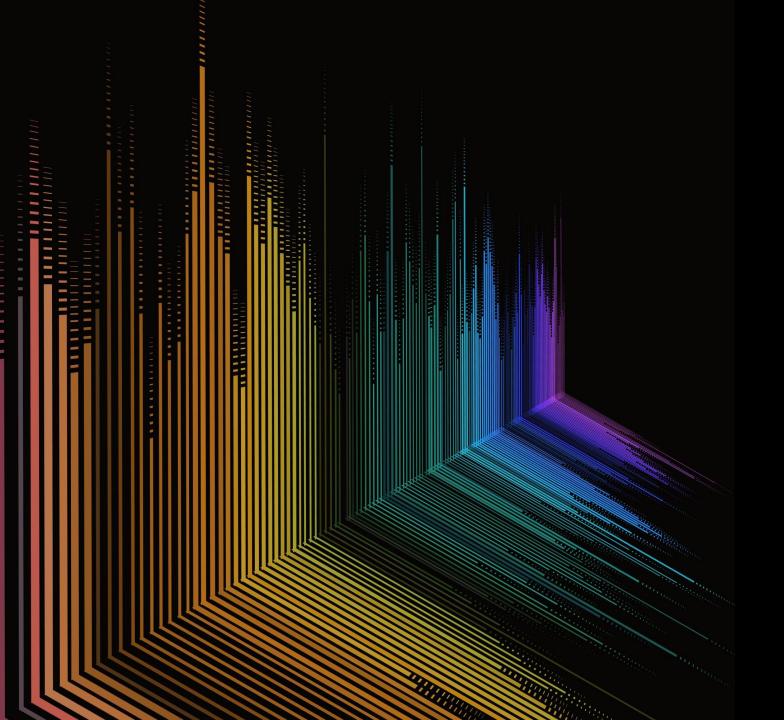


Elementer for kostnadskontroll

- commitments tiers
- design av workspaces
- archive, basic, analytics logs
- daily cap
- retention
- regelmessig analyse
- Cost workbooks, Microsoft Sentinel Cost
- Kostnad av analytics queries

Sentinel Content (preview)

Hvorfor bruke tid på dette?



Sentinel innhold som kode demo

The process





Analysis

The first step is analyzing your security requirements and priorities. All our experts are opinionated advisors. Therefore, after the analysis, we will have a clear idea of what Azure Sentinel features and designs a company like yours needs – and a clear idea of what you don't need.



Workshops

With ACE SIEM, our goal is not only to provide a state-of-the-art security operation. Through collaborative sprints and workshops, Devoteam ensures that our customers can operate and adjust their SIEM system in-house.



Implementation

Based on a collaborative process, ACE SIEM works alongside you and your IT security team to get you onboarded and operating – fast. Devoteam has created a set of readily deployable, validated designs and design decisions, saving you a lot of time and deliberation. We provide a scalable and cost-effective set of rules, workbooks, and automation tasks for Azure Sentinel.





ACE SIEM





60+ Azure policy controls

100+ Sentinel artifacts



Assessment

Through thorough analysis, we have a clear idea of what Azure Sentinel features and design an organization like your needs.



Implementation

Devoteam provides a scalable and cost-effective set of rules, workbooks and automation tasks for Azure Sentinel



Workshops

Devoteam ensures that our customers can operate and adjust their SIEM system in-house.



Operations

ACE SIEM gives analysts and security operators what they need to perform security tasks and automate security responses.



Design

ACE SIEM delivers sets of readily deployable, validated designs and design decisions.



The outcome



Accelerated Cloud Enabler by **devoteam** M Cloud

Acceleration

ACE SIEM is faster to deploy and configure than comparable solutions available on the market today. In 8 to 12 weeks, we design, deploy and adjust a cost-effective and scalable cloud security operation for your enterprise needs. Devoteam delivers great results quickly by building solutions on enterprise-ready rules, workbooks, and automation tasks.



Competence

Through sprints and workshops, we give your organization a thorough introduction to every part of your SIEM solution. We transform your digital infrastructure and strengthen the organization's digital competency, enabling you to the cloud.



Control

With ACE SIEM, you can be confident that your security and compliance requirements are met. By building solutions on infrastructure as code (IaC) principles, you also reduce the risk of human errors to an absolute minimum. Maximising the system's capacity makes it easier for you to devote time, focus, and resources to running your business.

Cost

ACE SIEM provides cost control and helps your company cut costs. We do this by deploying ready-made, battle-tested solutions for your Azure Sentinel needs. By enabling our clients to maintain and run their systems themselves, while also developing their internal IT resources, you get an increased return on your investment.





Takk

