

# Governing Defender for Cloud in Multicloud

6.10.2022 Markus Lintuala



A SUSTAINABLE  
FUTURE THROUGH  
DIGITALISATION

# Markus Lintuala

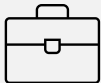


## Focus

Public and hybrid cloud solutions and architectures with a security aspect

## Certifications

Yep, some of [those](#)



## Elisa Oyj

Senior Technical Consultant

## Hobbies

IT, Aviation, Food



## Blog

<https://bloggerz.cloud>

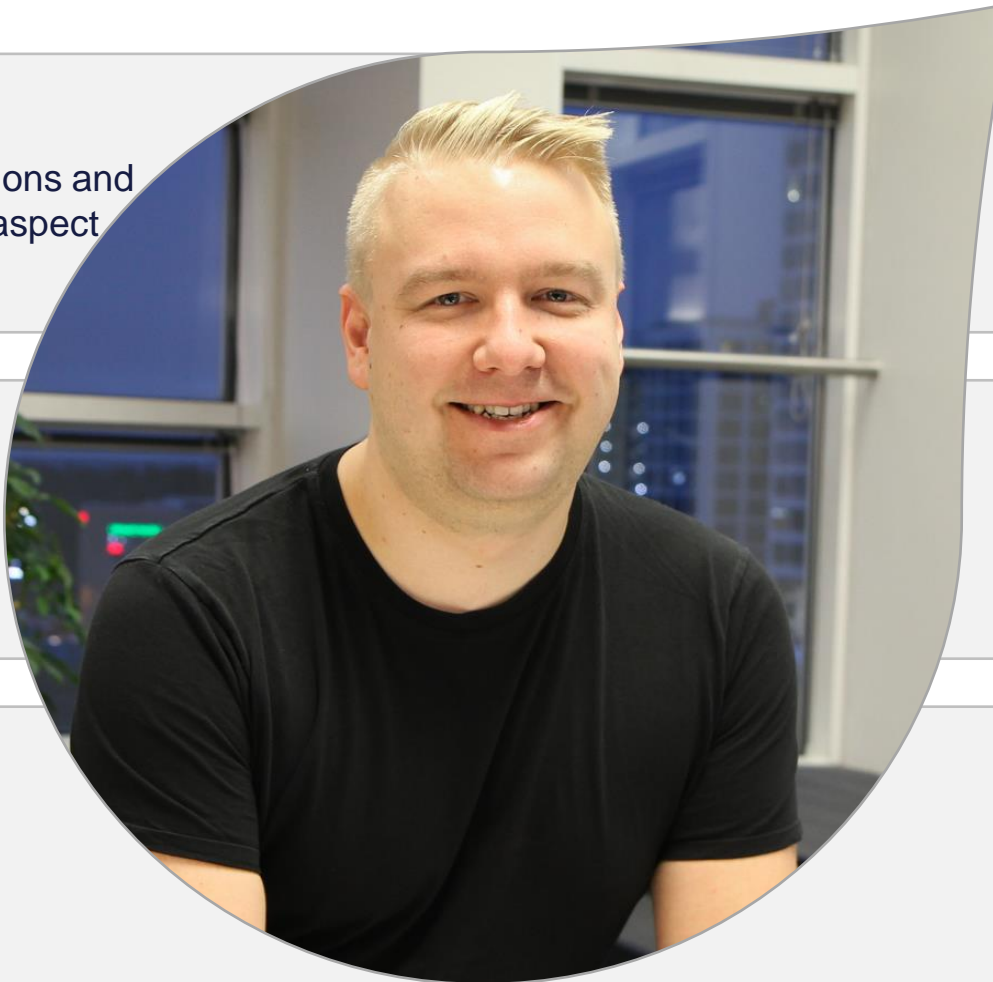
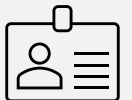


## Contact

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# Agenda

- What is Microsoft Defender for Cloud
- Cloud Security Posture Management (CSPM)
- Cloud Workload Protection Platform (CWPP)
- How to deploy...
  - Azure subscription?
  - AWS account?
  - GCP project?
- Managing CSPM recommendations
- Microsoft Sentinel Connection
- Manage through API
- Q&A



# What is Microsoft Defender for Cloud



## Continuously Assess

Know your security posture.  
Identify and track vulnerabilities.



## Secure

Harden resources and services with  
Azure Security Benchmark and  
AWS Security Best Practices standard



## Defend

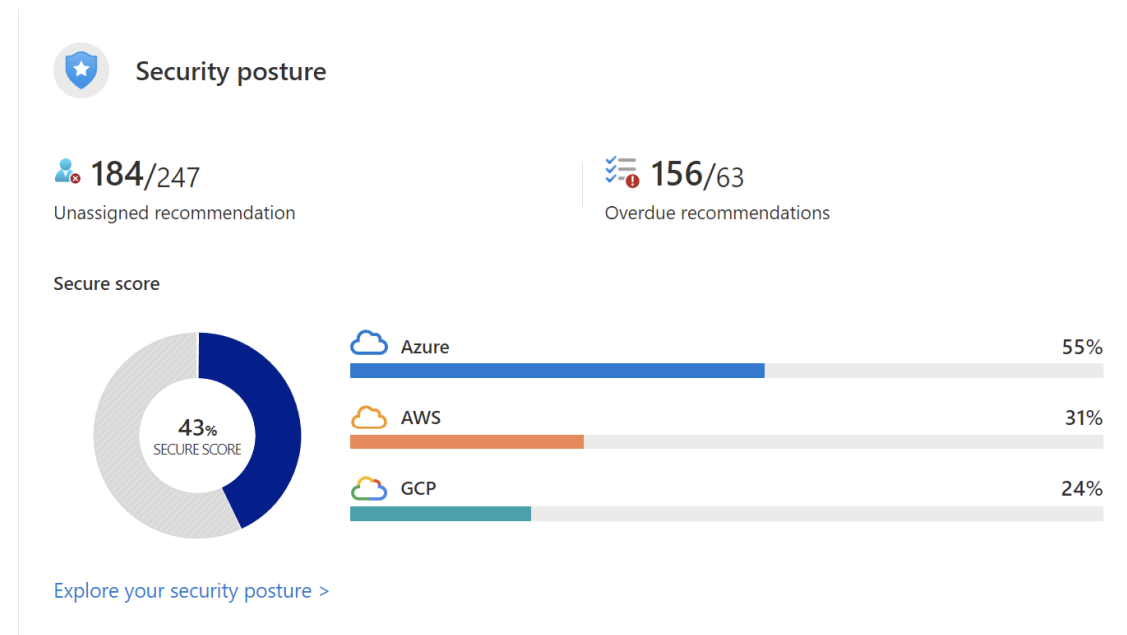
Detect and resolve threats to  
resources and services.

# What is Microsoft Defender for Cloud

Continuously Assess	Secure	Defend
(Know your security posture. Identify and track vulnerabilities.)	(Harden resources and services with Azure Security Benchmark and AWS Security Best Practices standard)	(Detect and resolve threats to resources and services)
<ul style="list-style-type: none"><li>• Secure score</li><li>• Vulnerability assessments</li><li>• Asset inventory</li><li>• Regulatory compliance</li><li>• File integrity monitoring</li></ul>	<ul style="list-style-type: none"><li>• Security recommendations</li><li>• Just-in-time VM access</li><li>• Adaptive network hardening</li><li>• Adaptive application control</li></ul>	<ul style="list-style-type: none"><li>• Microsoft Defender</li><li>• Security alerts</li><li>• Integration with Microsoft Sentinel (or other SIEM)</li></ul>

# Cloud Security Posture Management (CSPM)

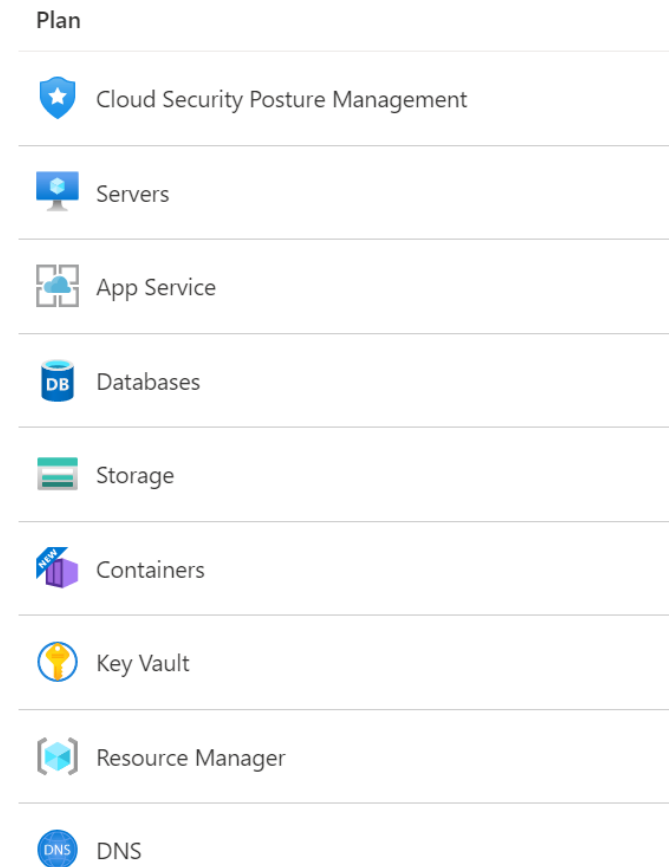
- See your current cloud security situation against configurations
- Measured with a secure score
- Lists recommendations on resource level
- Recommendations has a weighted values that relates to Security score
- You can add your own policies, but those are not counted towards a secure score





# Cloud Workload Protection Platform (CWPP)

- Deeper insight for each IaaS and PaaS services
- Only way to increase security in your PaaS resources
- Many enhanced features which protects your infrastructure
- Costs per resource



# How to deploy...

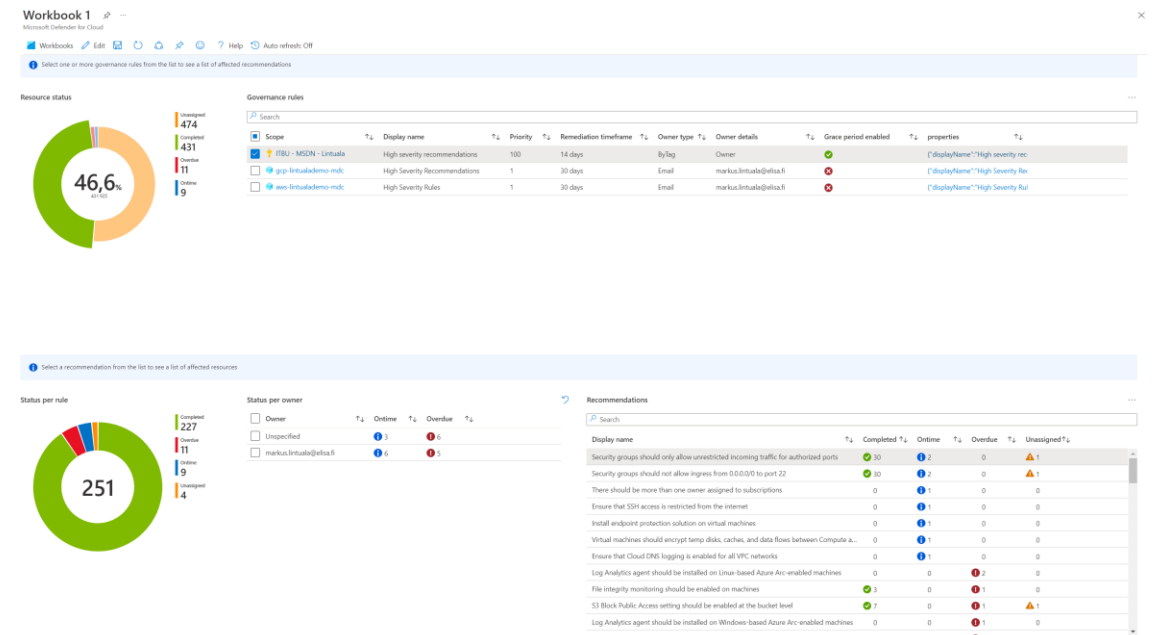
- Azure subscription?
- AWS account?
- GCP project?





# Managing CSPM recommendations

- Group by applications!
- Solve recommendations from resource group point of view
- User Defender for Cloud governance tool (or your own processes) to follow-up recommendation fixing process

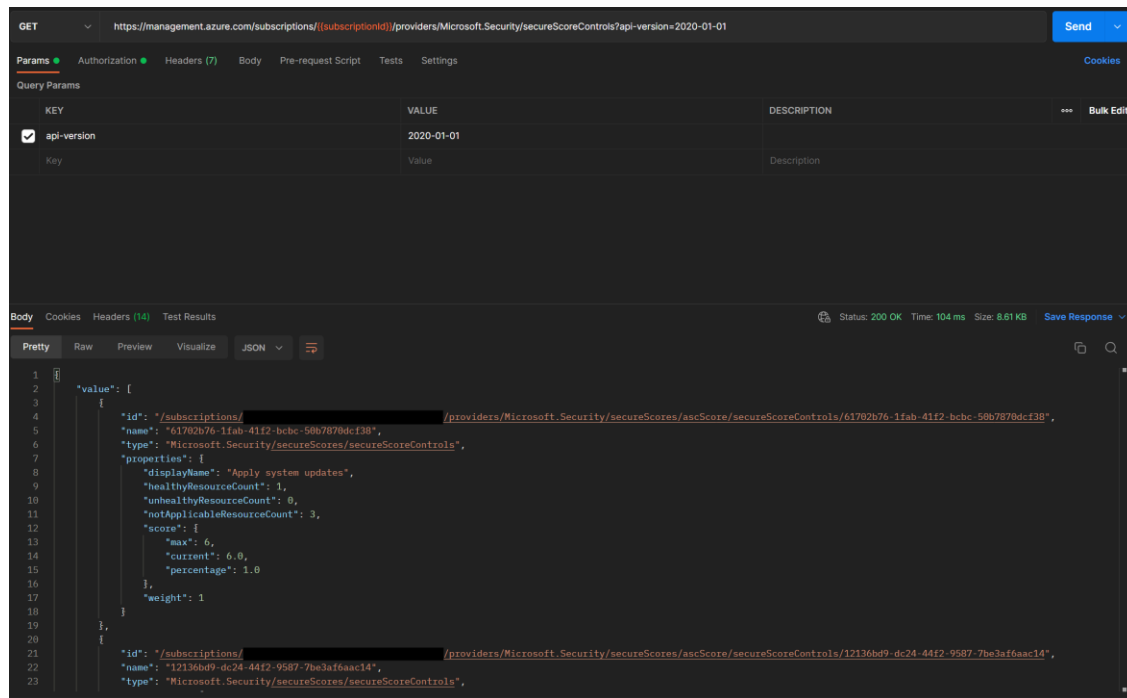


# Microsoft Sentinel Connection

- Add new data connector *Microsoft Defender for Cloud* from Microsoft Sentinel
- Bi-directional alert sync available
- Turn it on!

<input type="checkbox"/> Subscription ↑↓	Status	Bi-directional sync	ⓘ
<input type="checkbox"/> [Redacted]	<input checked="" type="checkbox"/> Connected	<input type="checkbox"/> Disabled ▾	
<input type="checkbox"/> [Redacted]	<input checked="" type="checkbox"/> Connected	<input checked="" type="checkbox"/> Enabled ▾	
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<input type="checkbox"/> [Redacted]	<input checked="" type="checkbox"/> Connected	<input checked="" type="checkbox"/> Enabled ▾	
<input type="checkbox"/> [Redacted]	<input checked="" type="checkbox"/> Connected	<input checked="" type="checkbox"/> Enabled ▾	
<input type="checkbox"/> [Redacted]	<input checked="" type="checkbox"/> Connected	<input checked="" type="checkbox"/> Enabled ▾	
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<input type="checkbox"/> [Redacted]	<input checked="" type="checkbox"/> Connected	<input checked="" type="checkbox"/> Enabled ▾	

# Manage through API



- Pretty good API-documentation
- Follows Azure's REST API architecture
- Easy to integrate for your own services or dashboards or where ever
- [Microsoft Defender for Cloud REST APIs | Microsoft Learn](#)

# Q & A

Thanks!



Slides available  
[@cloud/PublicSpeaking/AzureAndFriends](#)  
[at main · mmaraa/cloud \(github.com\)](#)