



VMUG usercon



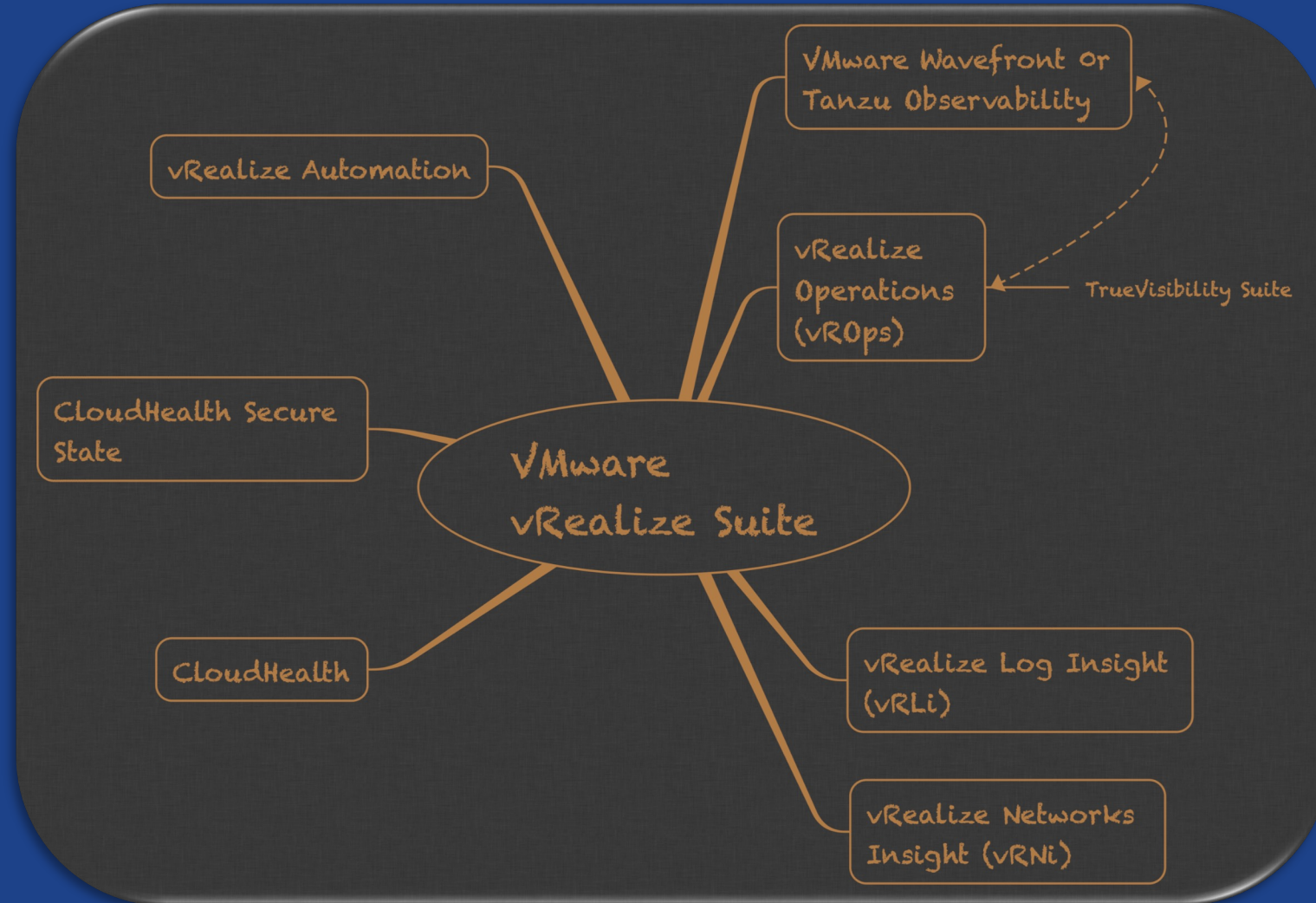
VMUG
VMware User Group
BELGIUM

VMUG usercon

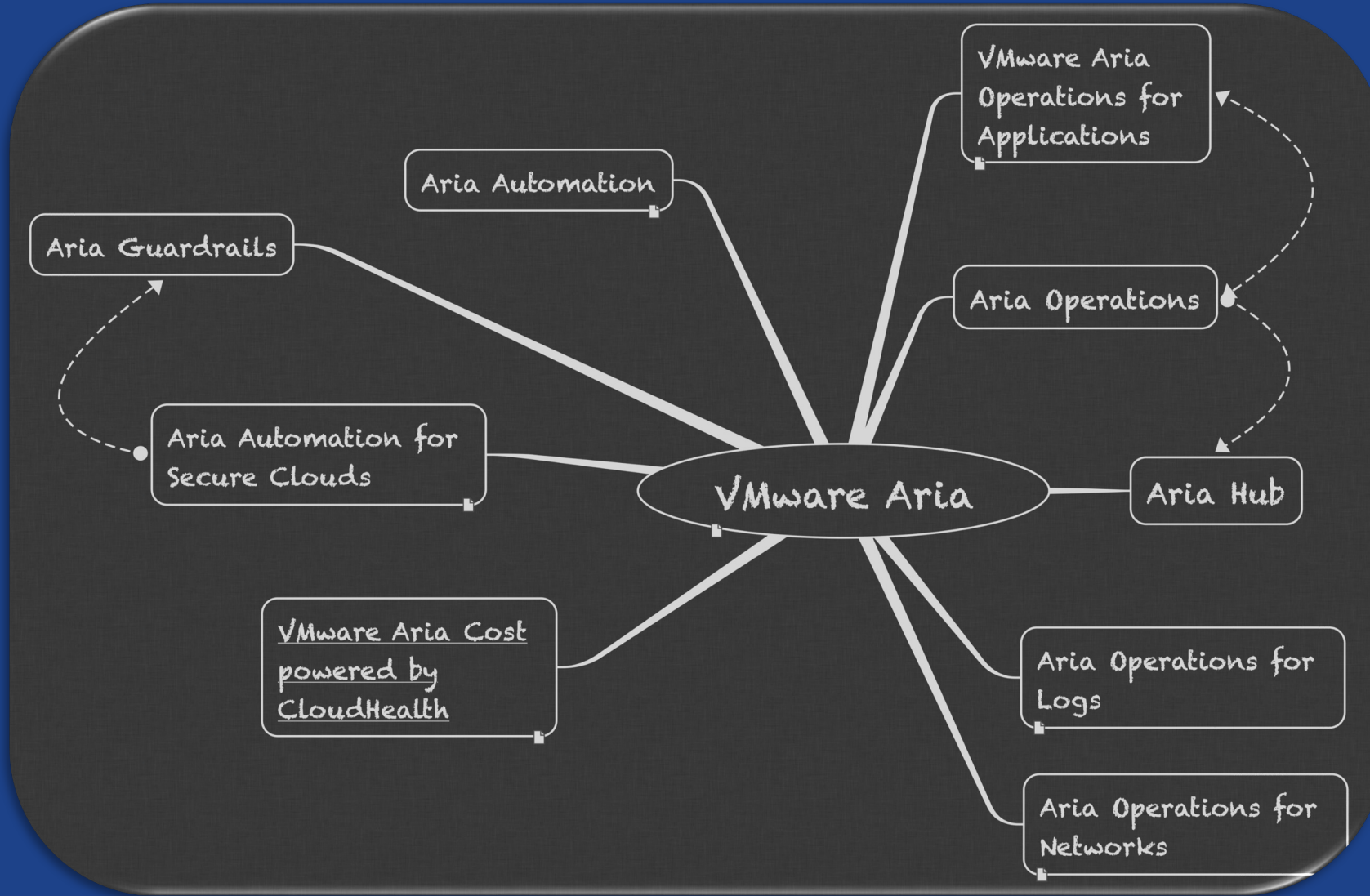
Make some Noise with Aria
Alain Geenrits



Remember vCloud/vRealize Suite?



Meet Aria ...



Aria Hub



Multi-cloud = CHOICE!

- Based on Aria Graph
- Replacement of EOL vRealize AI Cloud
- Only SaaS now....
- Own control plane
- Includes preview of
 - Guardrails
 - Migration
 - Business Insights

- Aria is about
 - Cost
 - Performance
 - Secure Configuration
 - Delivery Automation



Choice!



OnPrem, private DC,...

- Aria Operations (Integrations)
- Operations for Logs
- Network Insight
- Automation

(Multi-)cloud, SaaS,...

- SaaS versions +
- Aria Hub (Guardrails, Migration, Business)
- Secure Clouds
- Aria Cost (Cloudhealth)
- Ops for Applications (Wavefront)

Overlap!

- Aria Operations scenarios **vs** Aria Cost Migration Assessments
- Aria Cost Governance Policies **vs** Secure Clouds **vs** Guardrails...



Aria Operations

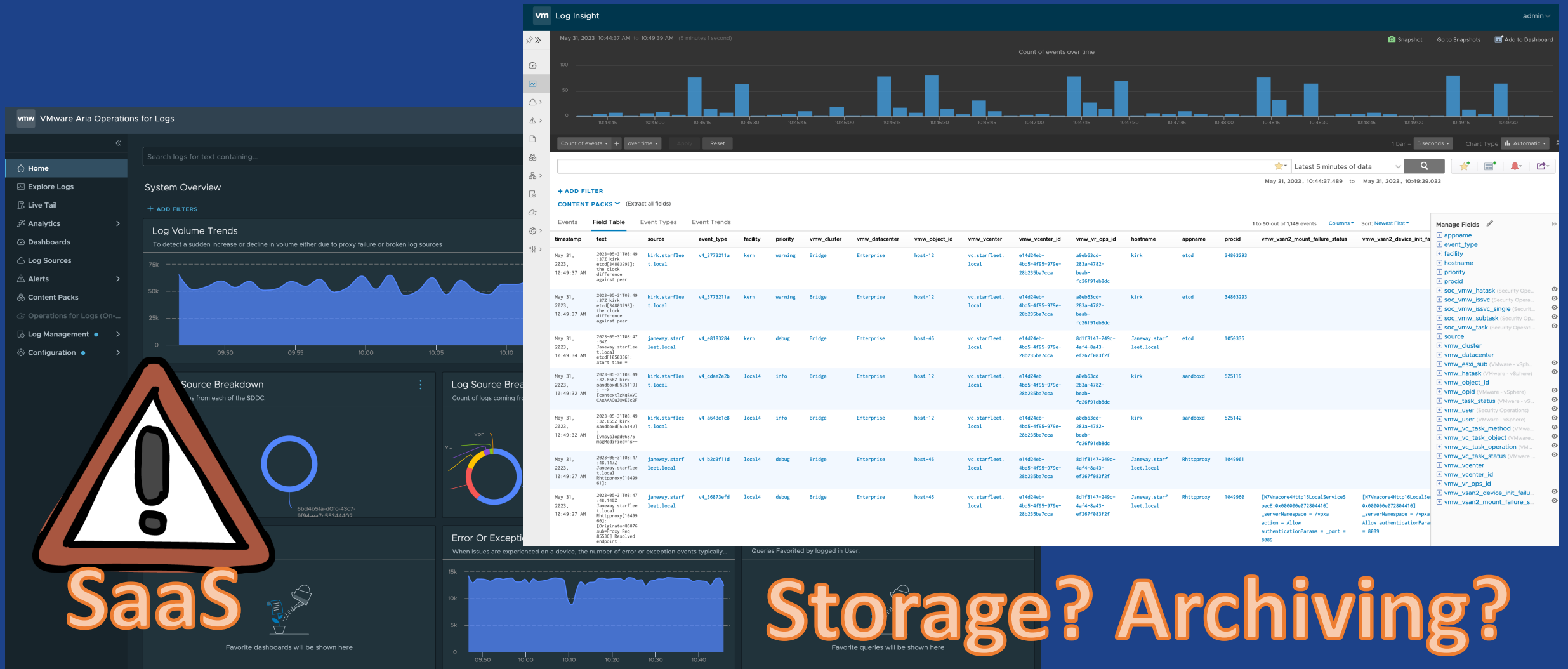
The screenshot displays the VMware Aria Operations console interface. The left sidebar contains navigation links: Home, Data Sources, Environment, Visualize, Troubleshoot, Optimize, Plan, Configure, Automation Central, Administration, and Developer Center. The main content area is divided into several sections:

- Home:** Includes a search bar, a "Welcome to VMware Aria Operations" message, and a "Pillars of Operations" section with cards for Observability, Capacity, and Cost.
- Applications:** Features cards for Business Applications and Applications.
- Infrastructure:** Displays cards for vSphere, vSAN, and NSX.
- VMware Cloud:** Shows cards for VMware Cloud Foundation and VMware Cloud on AWS.
- Public Cloud:** Includes cards for Amazon Web Services and Microsoft Azure.
- Inventory:** A section on the right showing a list of cloud resources, including vCenter, AWS, Azure, GCP, VCF, and GCVE.
- Cost:** A section on the right displaying cost metrics, including Total Cost of Ownership (US\$ 453576.92), Potential Savings (US\$ 34789.14), and Realized Savings (US\$ 1116.66).

Three callout boxes are overlaid on the screenshot:

- Launchpad:** A blue box with the text "Launchpad" pointing to the top navigation area.
- Aria Ops Integrations:** A blue box with the text "Aria Ops Integrations" pointing to the "Pillars of Operations" section.
- MP Builder:** A blue box with the text "MP Builder" pointing to the "Public Cloud" section.

Aria Operations for Logs

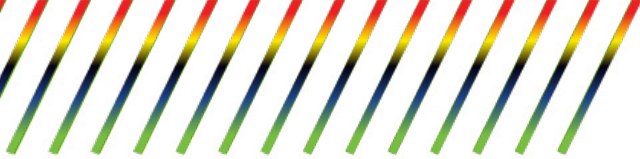


Bolero nieuws 31/05/23

- Als gevolg van een instellingsfout in de cloud-omgeving is volgens **Toyota** (-2,2%) informatie van klanten in sommige landen in Azië en Oceanië van oktober 2016 tot mei 2023 mogelijk openbaar toegankelijk geweest. Het betreft namen, adressen, telefoonnummers, e-mailadressen en voertuigidentificatie en registratienummers.

Aria Operations for Secure Clouds

- SaaS application
- Cloud accounts & Kubernetes
- More compliance: Mitre !
- Remediation!



Dashboards

vmwCloudHealth Secure State

Dashboards

Explore

Governance

Findings

Actions

Reports

Settings

Help

Alain Geenrits
CMBU TMM

Current Context: Organization (Viewer)

SELECT DASHBOARDS

Overview

SAVE AS

Findings

3,178

↓ 40 %
last 7 days

Critical (Threat)0

High861

Medium1,521

Low796

Suppressed findings: 0

Findings breakdown

Services

Regions

Accounts

ec2

us-west-1us-east-1us-west-2

AWS MAIN TMMSPC-02

Cloud accounts

Total Accounts4

Status

Draft0

AWS

Azure

GCP

Remediation

Worker groups

Remediation actions

Top 10 rules with findings (high & critical)

view all

Name	Severity	Count
EBS volume should be encrypted	■■■■	414
EC2 instance should not have a public IP address	■■■■	57
S3 bucket should allow only HTTPS requests	■■■■	45
S3 bucket should allow only HTTPS requests (Legacy)	■■■■	45
EC2 instance should restrict public access to SSH port (22)	■■■■	43

Rules

Total rules1,150

Custom rules1

Rules with findings306

Disabled rules1

Updated rules1,150

last 3 months

Kubernetes Clusters

Discovered clusters4

Pending clusters4

Offline collectors1

Total Ready Clusters3

Remediation runs

View available jobs

Top 10 resources with findings

view all

Name	Type	Count	Risk score
vmworld-demo-trail	Trail	20	860
vmws-cloudtrail-global	Trail	17	800
vmws-cloudtrail-global	Trail	17	800
vmws-cloudtrail-global	Trail	17	800
csp-sre-trail	Trail	18	780

CIS AWS Foundations Benchmark

Version 1.5.0

(63 rules, 0 disabled)

Compliance

22 %

14 / 63 rules compliant

Findings

New (last 7 days)5

Open1,042

Resolved295

Suppressions

Requests

Open requests0

Update requests0

Active suppressions

Total0

Expire in 14 days0

Explore

Explore

ALL ACCOUNTS SELECTED ▼

Write or paste a query in Secure State Query Language(SSQL). Type ahead support is provided with SSQL..

Saved searches

Resource models

Results

Sample queries

List search

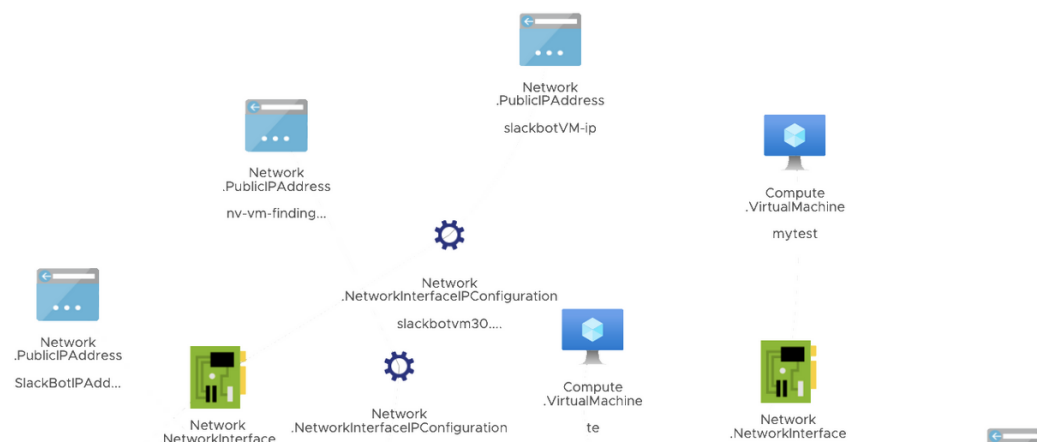
Global text search

Aggregation search

VMs with a Public IP Address

Search query: Azure.Compute.VirtualMachine -> Azure.Network.NetworkInterface -> Azure.Network.NetworkInterfaceIPConfiguration

Result



GOT IT [LEARN MORE](#)

Guardrails

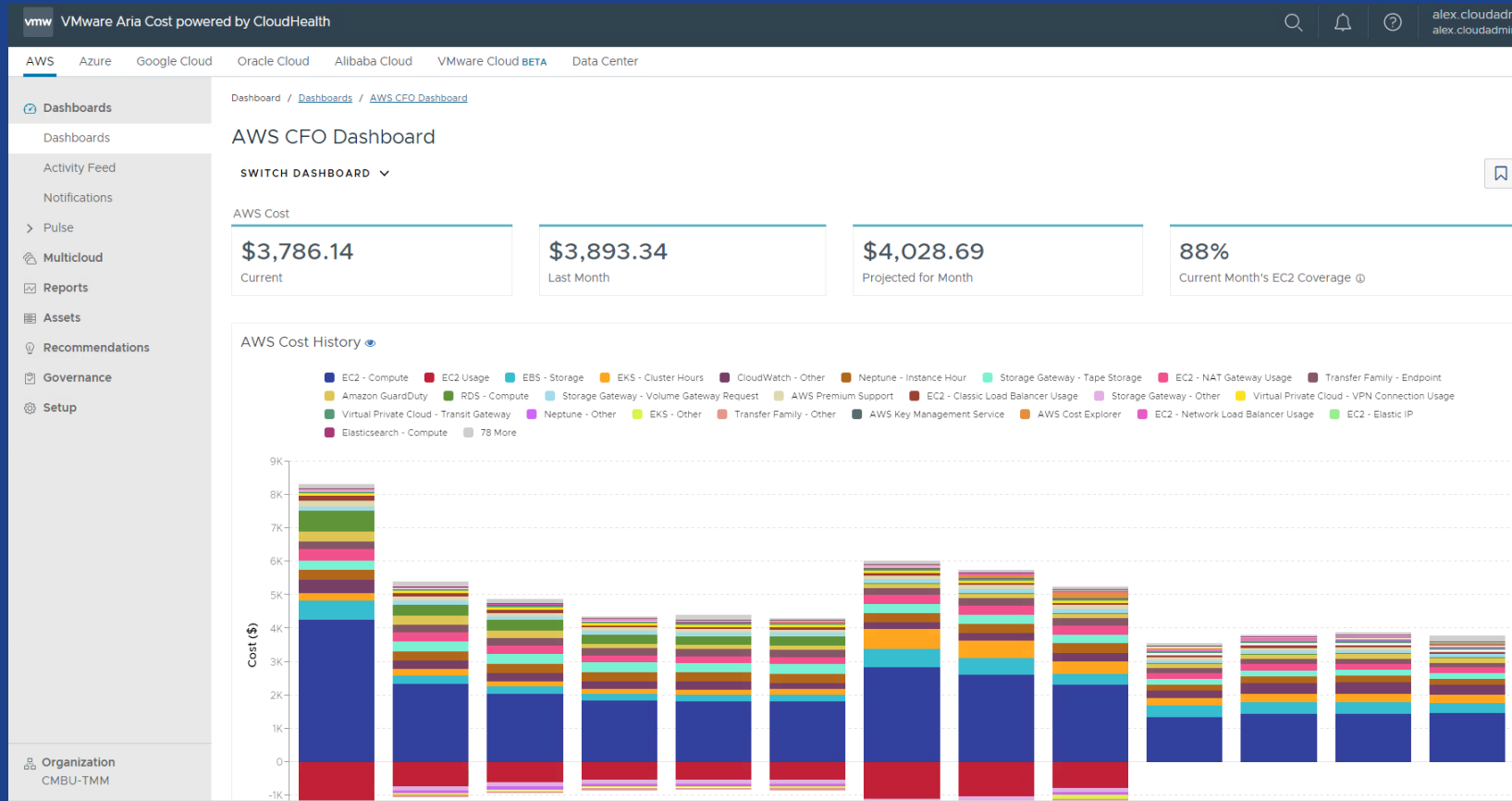


Part of Aria Hub

• Secure Clouds light ?

Monitor cloud & Kubernetes

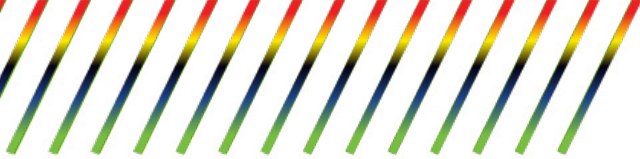
Aria Cost (CloudHealth)



Only SaaS, Operations for onprem

VMUG
usercon





Conclusion:



Resources

- Register for [Aria Hub Free Tier](#).
- VMware Cloud Management [blog](#).
- VMware Aria product [home page](#).





VMUG usercon



VMUG
VMware User Group
BELGIUM