

AI Optimisation Recommendations

Summarised view of all savings opportunities across a number of technical categories

29.22%

High End Saves Estimate

14.61%

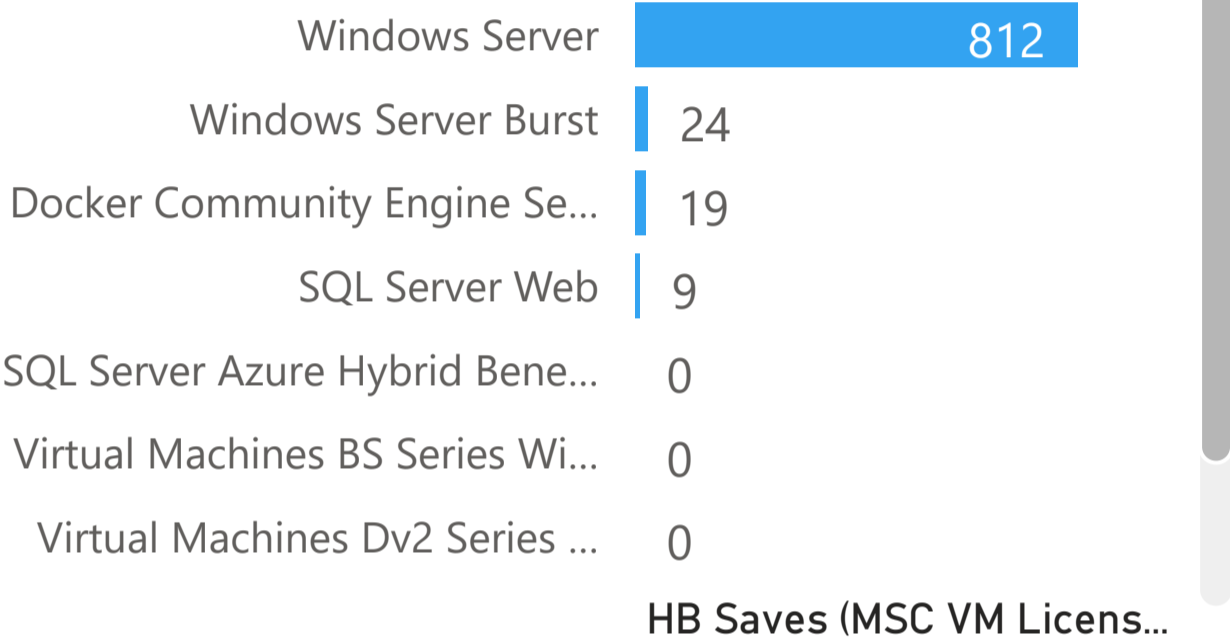
Low End Saves Estimate

Estimated monthly saves range between €2,557 (€30,688 per year) and €1,279 (€15,344 per year)

Last monthly bill was €8,751

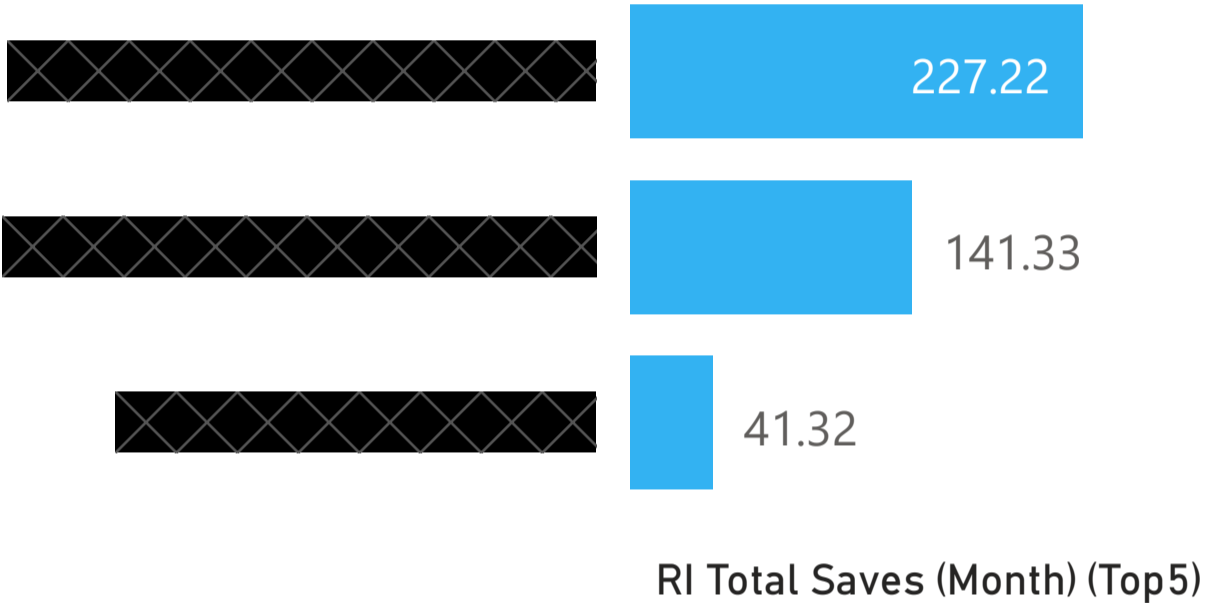
Hybrid Benefit

27 Hybrid Benefit opportunities, current monthly Azure license cost is €863, which could be saved by moving to Hybrid Benefit.



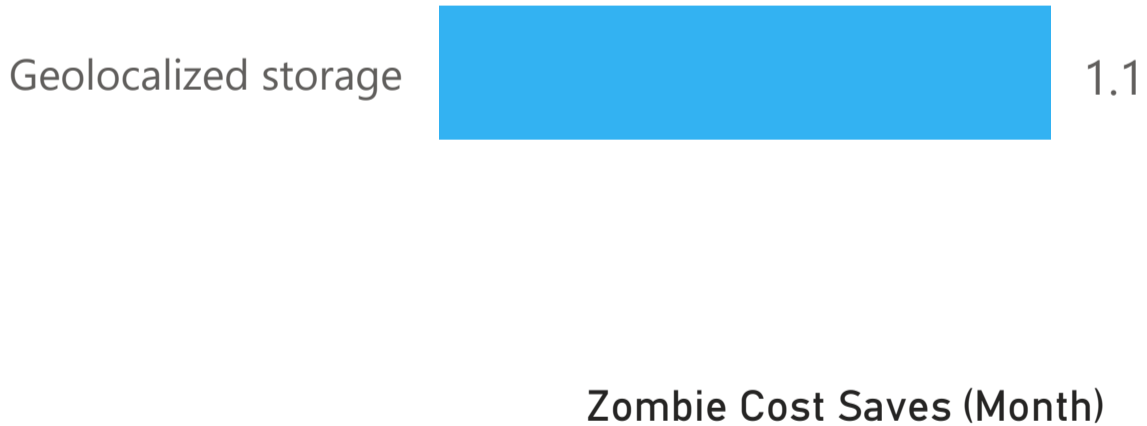
Reserved Instances

8 CSP RI Recommendations, for 12 target resources, with potential monthly saves of €410



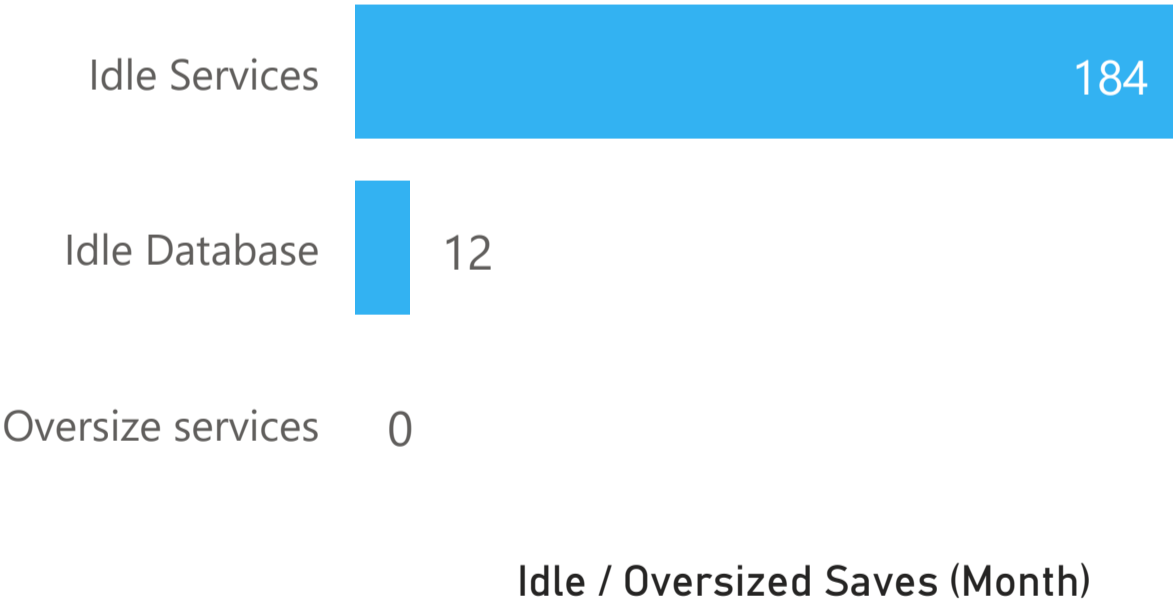
Zombie Resources

Monthly value of is €1 across 4 devices which can be considered for decomission.



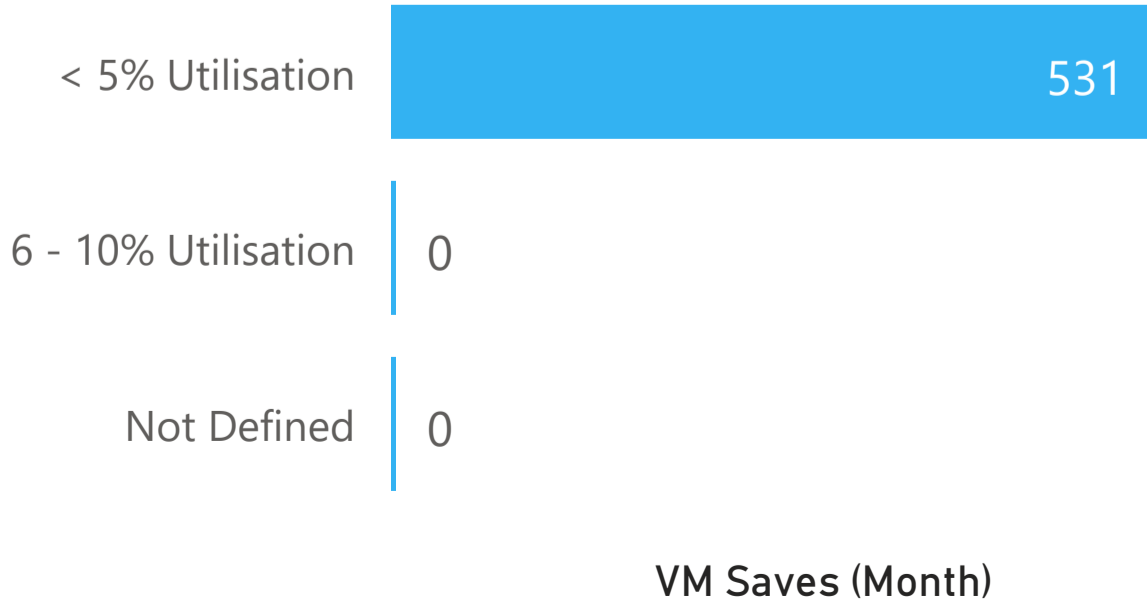
Idle & Oversized Services

€392 per month, across 64 devices. Saves of between 50% to 25% would result in a monthly cost reduction between €196 and €98



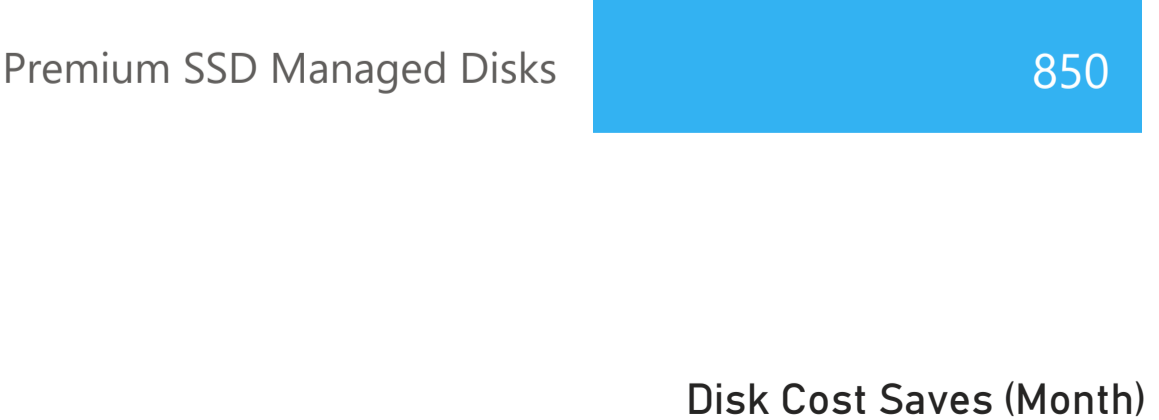
VM Optimisation

Current virtual machine monthly cost is €1,185, potential saves achieved by right-sizing VMs is €531 (CPU < 10% Avg. and moving to a lower tier, estimated at 50% of cost)



Storage Optimisation

Current monthly cost for storage is €3,058, estimated saves which can be achieved by downgrading storage to non SSD is €850. Assuming a 50% saves for a lower tier



Cost Overview

Summarised view of the Azure bill excluding Marketplace and Reserved Instances

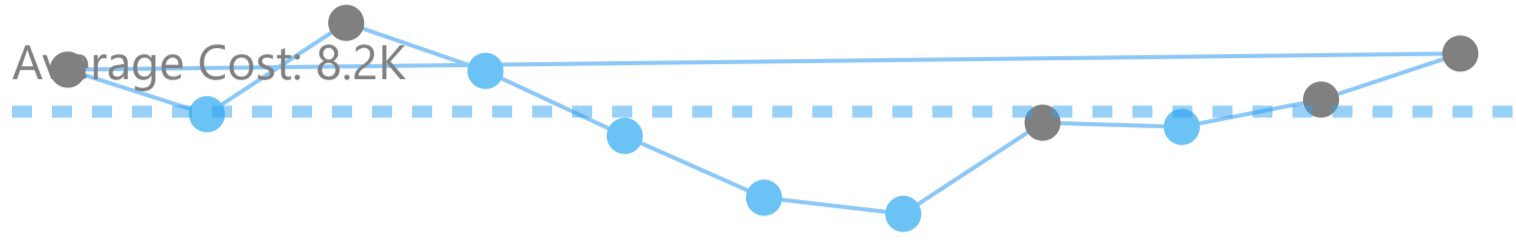
5
Total Subscriptions

€90,696
Cost in last 12 Months
from 01/10/21 to 31/08/2022

€64,843
Year to date costs
from 01/01/22 to 31/08/2022

€8,751
Cost in previous Month
from 01/08/22 to 31/08/2022

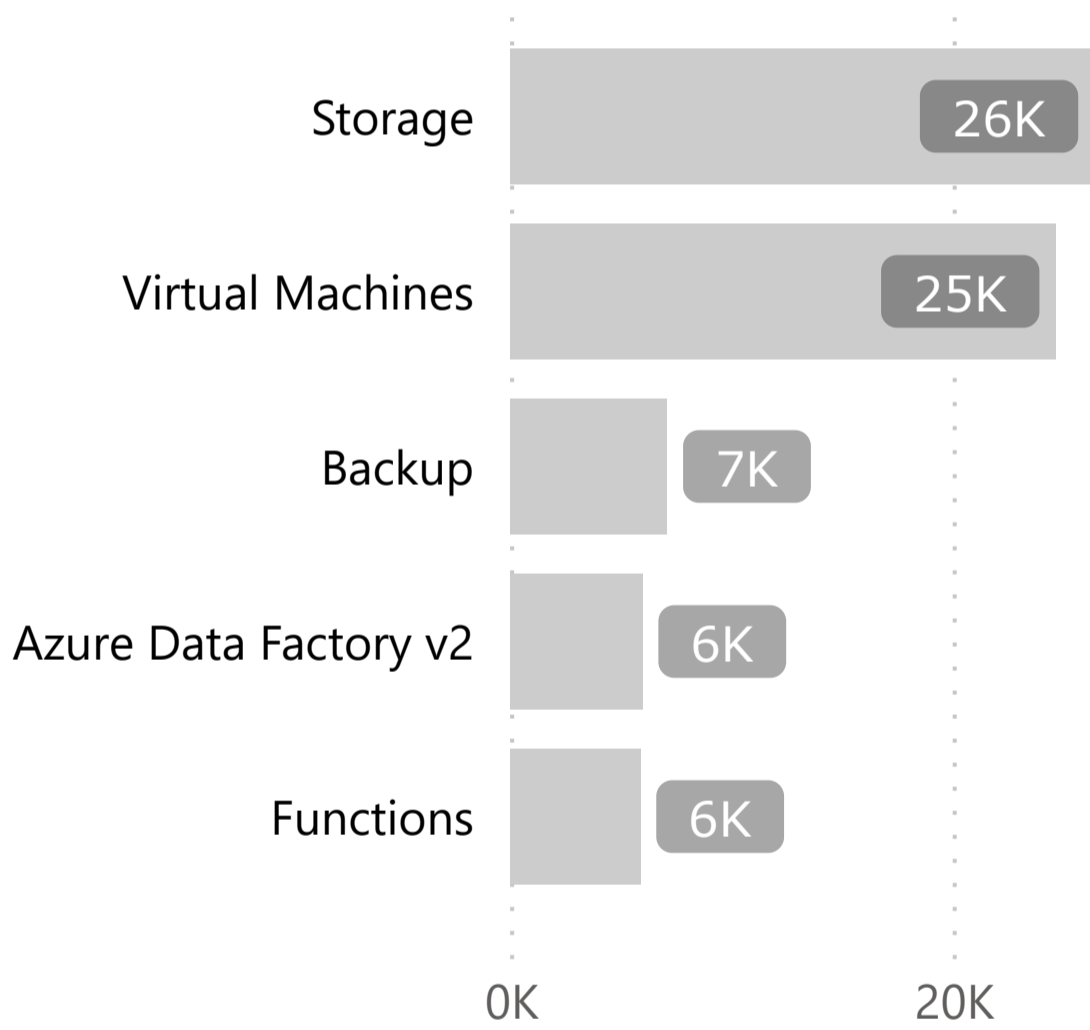
-9.65%
Year end forecast vs last 12 months



Run Rate by Subscription (Top 10)

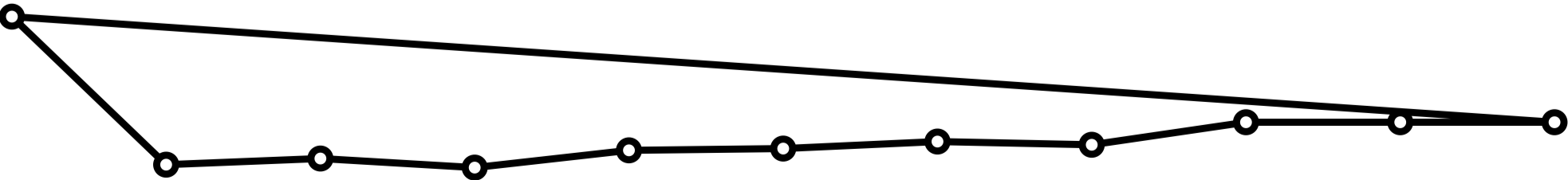
Year	2021			2022								Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
Subscription Location MeterCategory SubCategory MeterName Resource	4,419	4,215	4,459	4,373	3,994	3,470	3,345	3,699	3,567	3,695	3,841	43,077
	2,733	2,615	2,924	2,688	2,573	2,375	2,394	2,752	2,850	2,936	3,109	29,950
	690	672	882	805	777	891	777	841	873	862	916	8,986
	635	617	661	651	599	666	750	781	746	779	816	7,700
	135	104	93	84	90	91	87	76	77	78	69	984
Total	8,611	8,222	9,019	8,600	8,033	7,495	7,354	8,149	8,112	8,350	8,751	90,696

Top 5 - Total Cost by Meter Category



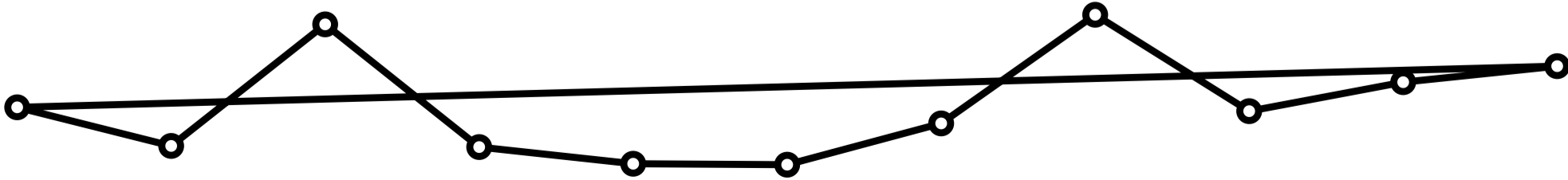
HC.Count Resources (comissioned)

156



% Monthly Cost Change

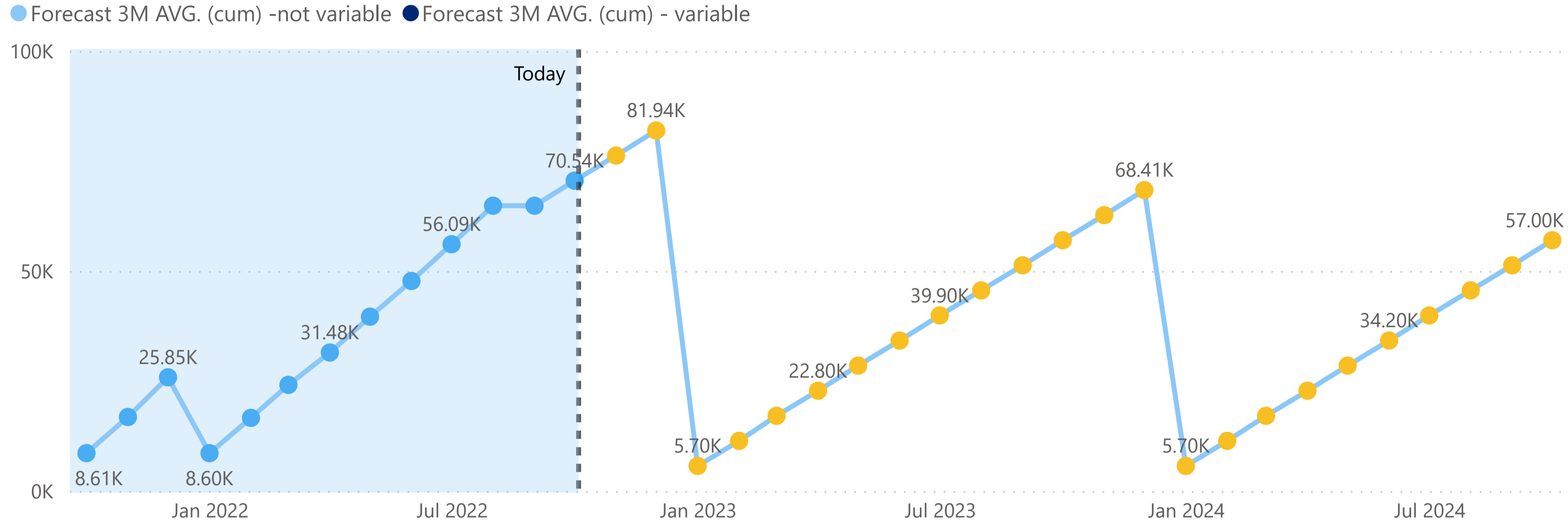
4.81%



Cost Forecast

An overview of the current spend with projected spend and option to project costs based on cost variation

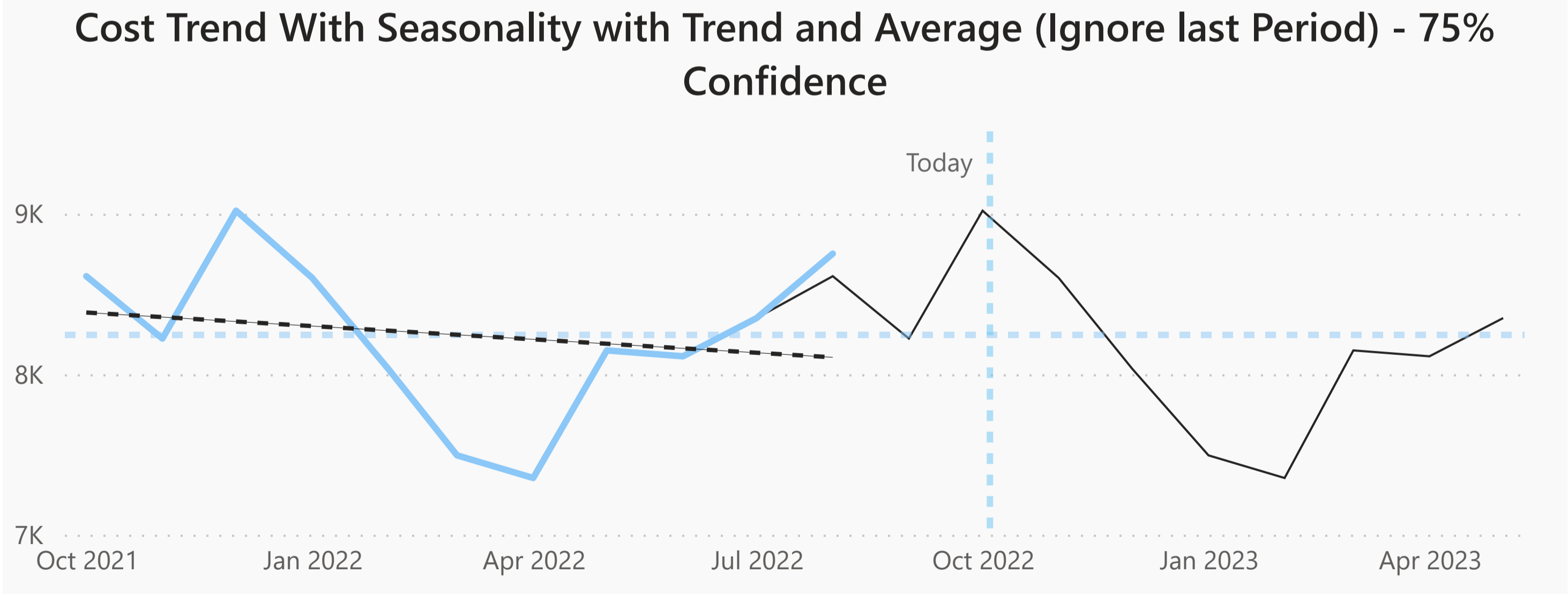
Cumulative Forecast Based on Previous 3 Months Average Cost with Variable Uplift



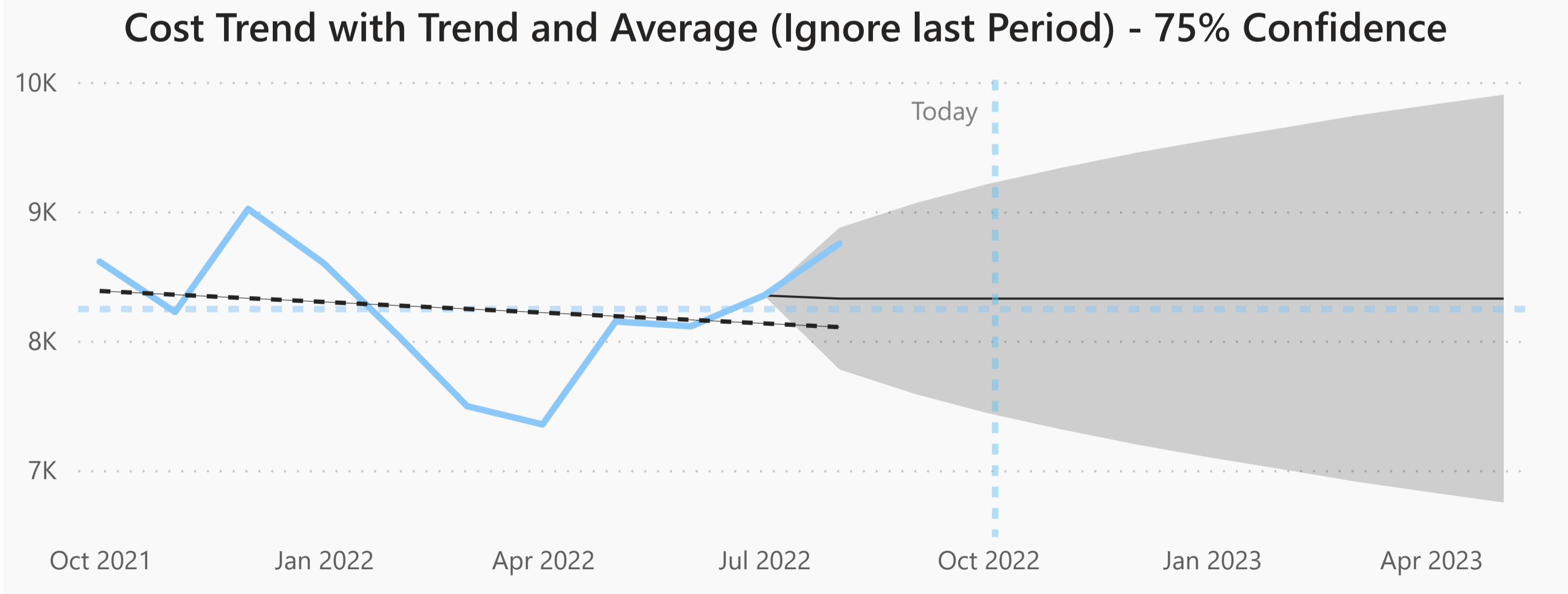
€81,945
Year end Forecast

Dec
Forecast ending month

-9.65%
Year end forecast vs last 12 months



The seasonal algorithm (ETS AAA) models the time series using an equation that accounts for additive error, additive trend, and additive seasonality. This algorithm is also popularly known as the Holt-Winters algorithm, after the researchers who described the characteristics of the model. The Holt-Winters method is widely used, for example, in predicting and planning demand in businesses.



The non-seasonal algorithm (ETS AAN) uses a simpler equation to model the time series, which includes only a term for additive trend and additive error, and does not consider seasonality at all. We assume data values increase or decrease in some way that can be described by a formula, but that the increase or decrease is not cyclical.

Azure Tag Summary

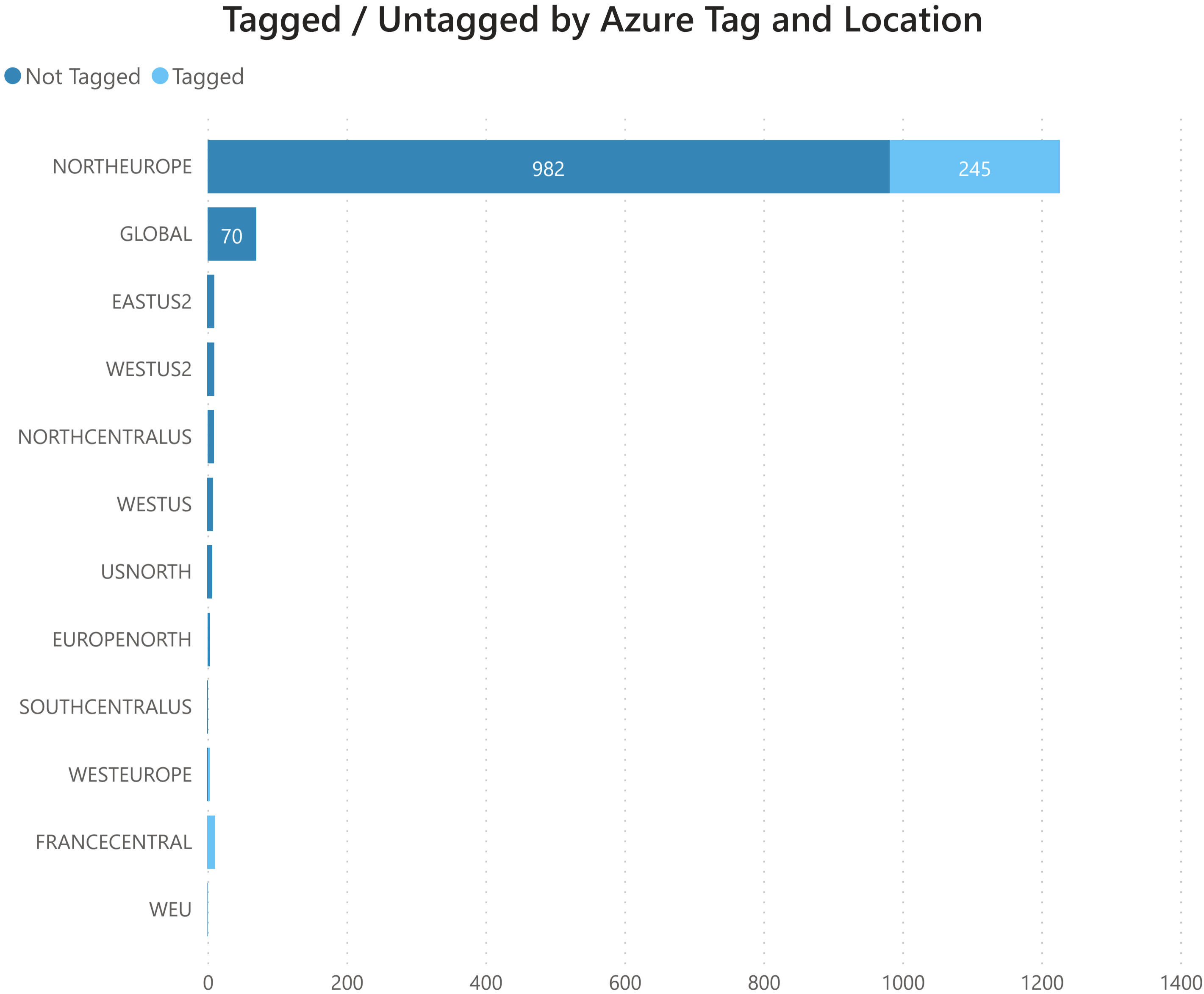
An overview of Azure tagging to help assess tag implementation across the organisation

80.36%
Azure - Not Tagged

84.29%
Devices with ≤ 1 tag

1064
Tagged Devices

260
Untagged Devices



Reserved Instances

Overview of Azure Reserved instance spend across both EA and CSP environments, and a view of current % of VMs using RIs and % of virtual machine compute used by RIs

0
CSP - Active RIs

Reservation costs for active CSP reservations span from to

Cost Previous Month
CSP Reservation Billed to Date (Active)
CSP Reservation Committed Total (Active)
CPS Reservation Remaining Committed

0
EA - Active RIs

Reservation costs for active EA reservations span from (NA) to (NA)

€0
Cost Previous Month
€0
EA Reservations Billed to Date (Active)
€0
EA Reservations Remaining Commit (Active)
€0
EA Reservations Committed total (Active)

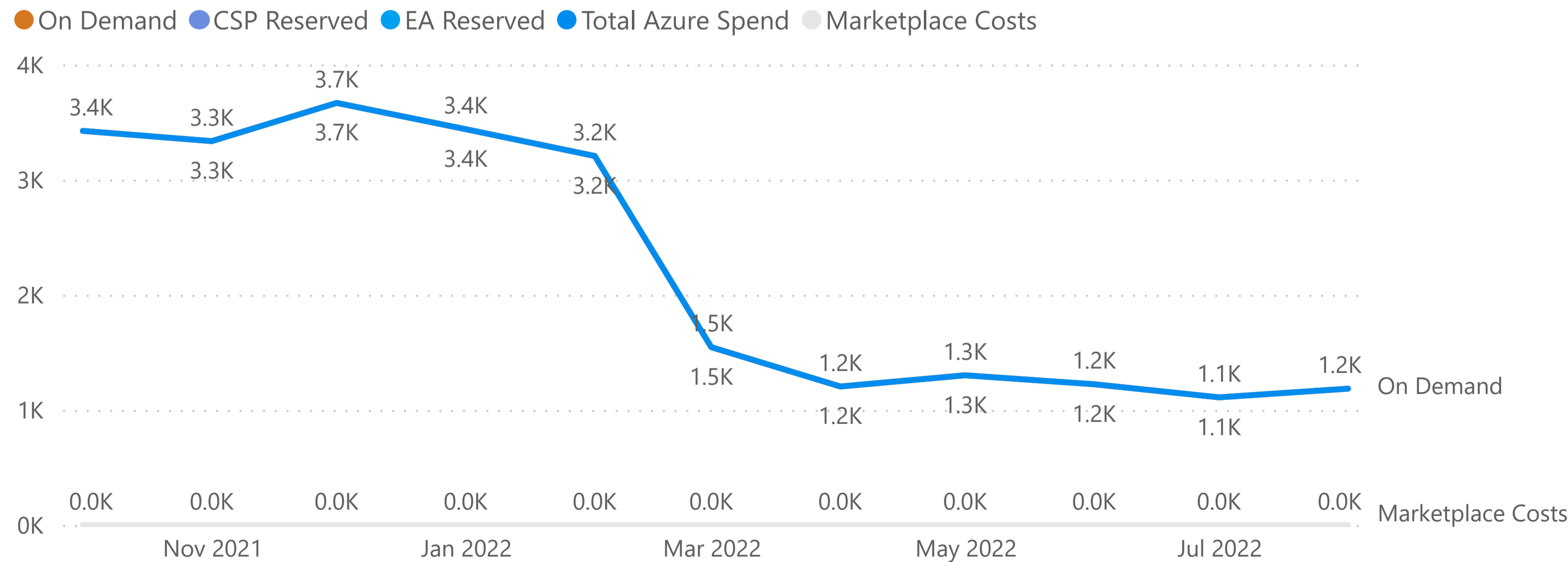
14
RI VM Recommendations

ⓘ Azure VM Reserved Instance usage summary - €1,185 of compute spend (total €1,185) not optimised by RIs (100.00%) in the previous month

**ⓘ 14 Virtual Machines out of 28 used RIs in the previous month (50.00%).
14 VMs recommended to move to RIs**

16,126.29
Total Compute Hours Last Month
(Blank)
RI Compute Hours Last Month
14
RI Based VMs last Month
28
Total VM Count Last Month

On Demand Vs RI Spend on Virtual Machines



Azure Databricks

Overview of costs related to Databricks

€0

Databrick Costs (Previous Month)

① Databrick costs, €0 between 10-2021 and 08-2022

0.00%

ADB. Services Cost Databricks % (MAX Month)

① Databricks % of total spend, 0.00% between 10-2021 and 08-2022

Cost by Month

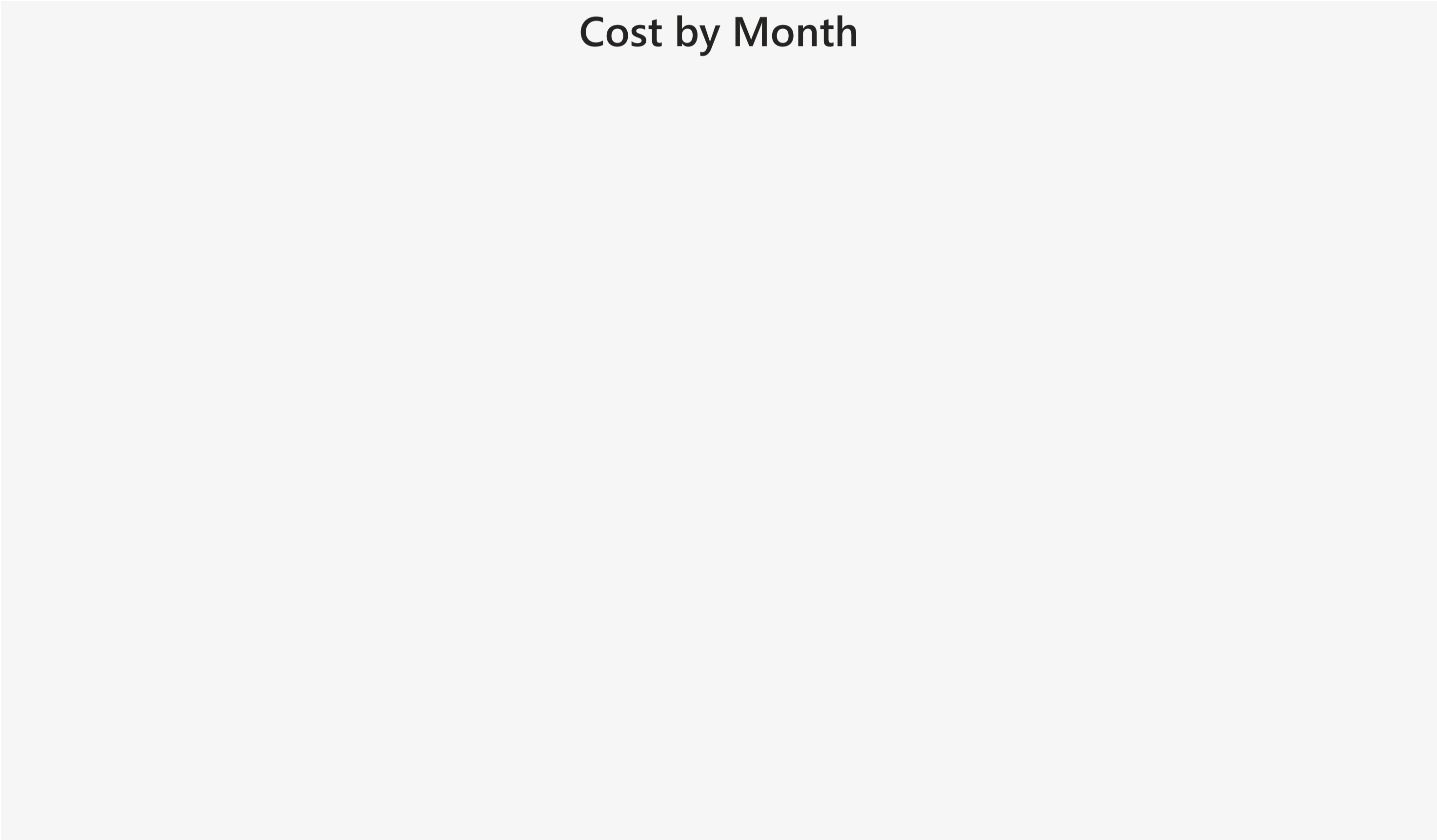
Cost by meterCategory (Previous Month)

Azure Kubernetes Services

Overview of costs related to Kubernetes services

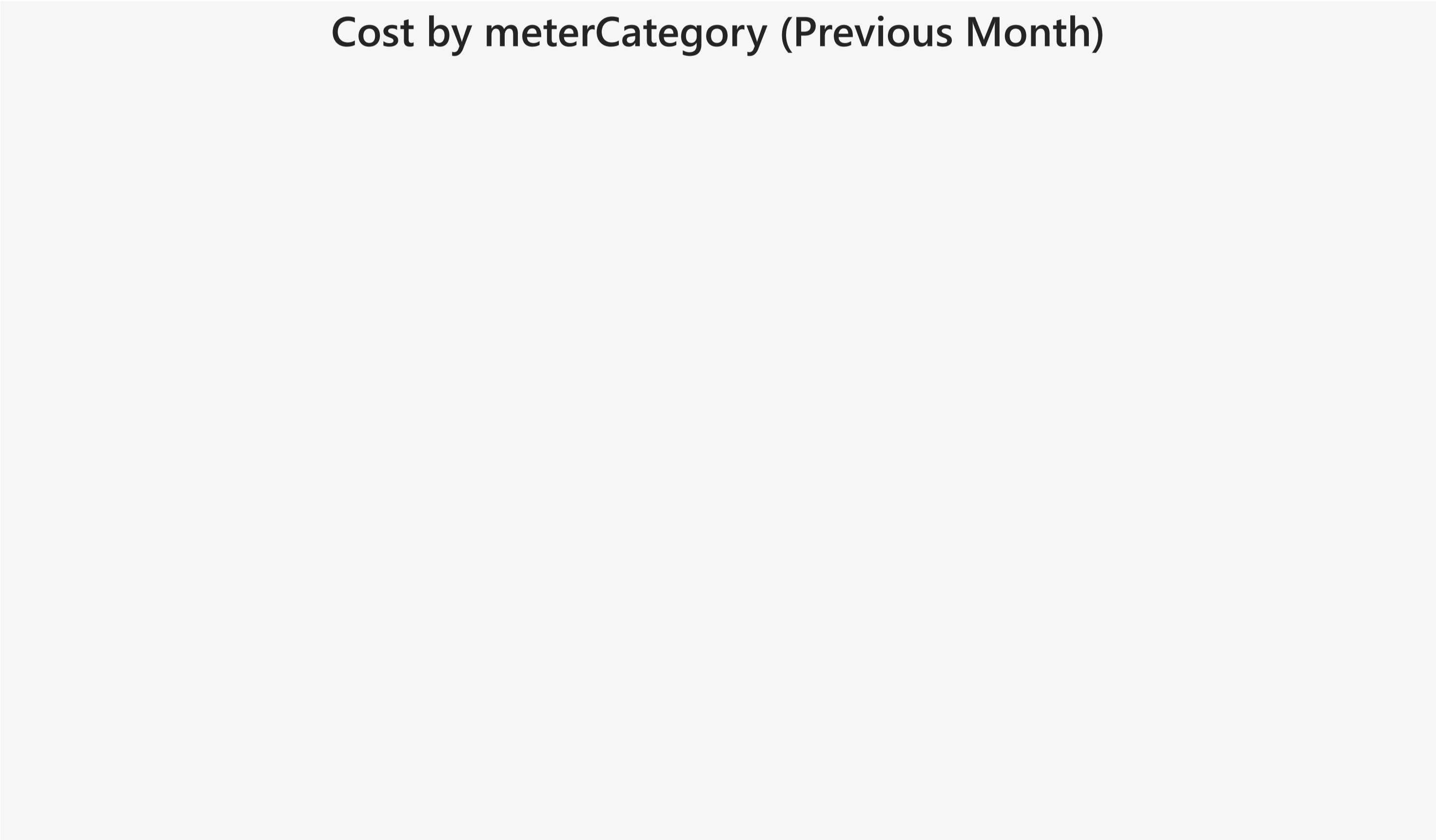
Kubernetes Costs (Previous Month)

① Kubernetes costs, between 10-2021 and 08-2022



Kubernetes % of Total Spend (Previous Month)

① Kubernetes % of total spend, 0.00% between 10-2021 and 08-2022



0

Kubernetes Cluster Count

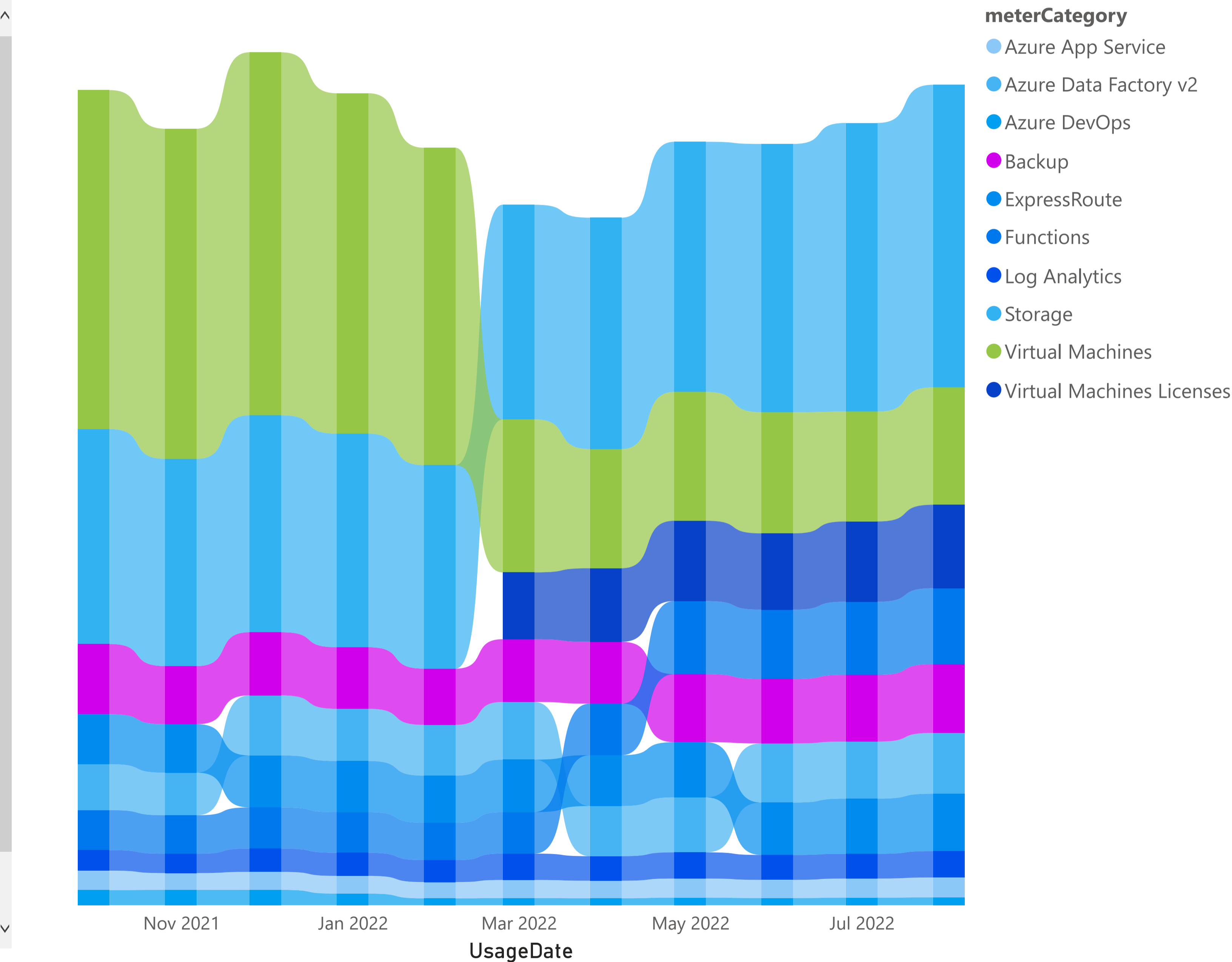
Azure Services

Cost breakdown of high level Azure services by meter category

MeterCategory Costs from 10-2021 to 08-2022

meterCategory	Cost	%GT cost	Cost Trend
Storage	26,394	29.10%	
Virtual Machines	24,641	27.17%	
Backup	7,092	7.82%	
Azure Data Factory v2	5,976	6.59%	
Functions	5,881	6.48%	
ExpressRoute	5,780	6.37%	
Virtual Machines Licenses	4,656	5.13%	
Log Analytics	2,639	2.91%	
Azure App Service	2,028	2.24%	
Azure DevOps	1,095	1.21%	
SQL Database	1,034	1.14%	
Redis Cache	966	1.07%	
Visual Studio Subscription	901	0.99%	
App Configuration	732	0.81%	
Virtual Network	521	0.57%	
Virtual Machine Licenses	206	0.23%	
Container Registry	50	0.05%	
Azure Monitor	39	0.04%	
Azure DNS	19	0.02%	
Service Bus	16	0.02%	
Bandwidth	14	0.02%	
Key Vault	9	0.01%	
Automation	5	0.01%	
Content Delivery Network	2	0.00%	
Total	90,696	100.00%	

Top 10 Service Trending



Azure Secure Score

High level overview of the Azure Secure score with a view of resource health breakdown by Domain

30.17%
Secure Score

Top improvement category is:

Enable MFA

(Out of a total of 15 controls)

Healthy / Unhealthy Score By Subscription Name

● Healthy Resource ● Unhealthy Resource

