
AWS
re:Invent
NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

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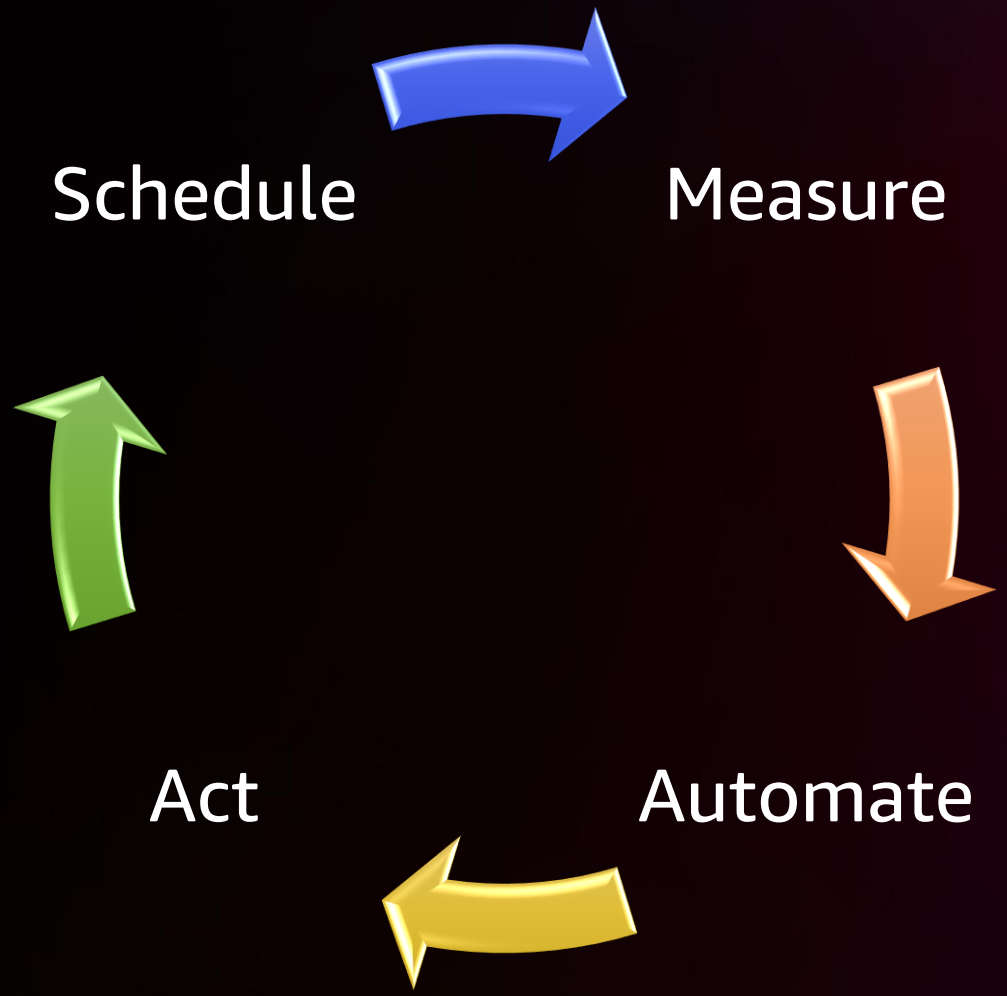
Habits to reduce your cloud costs

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AWS

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The habits to reduce cloud costs



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Schedule



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15-30 minute time blocks

If this sounds like you…	Frequency of AWS usage review
“I don’t understand the AWS bill”	Once a week
“Our AWS bill needs to come down ASAP”	Once a week
“I want to make sure we don’t overspend”	1-2x per month

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Measure 

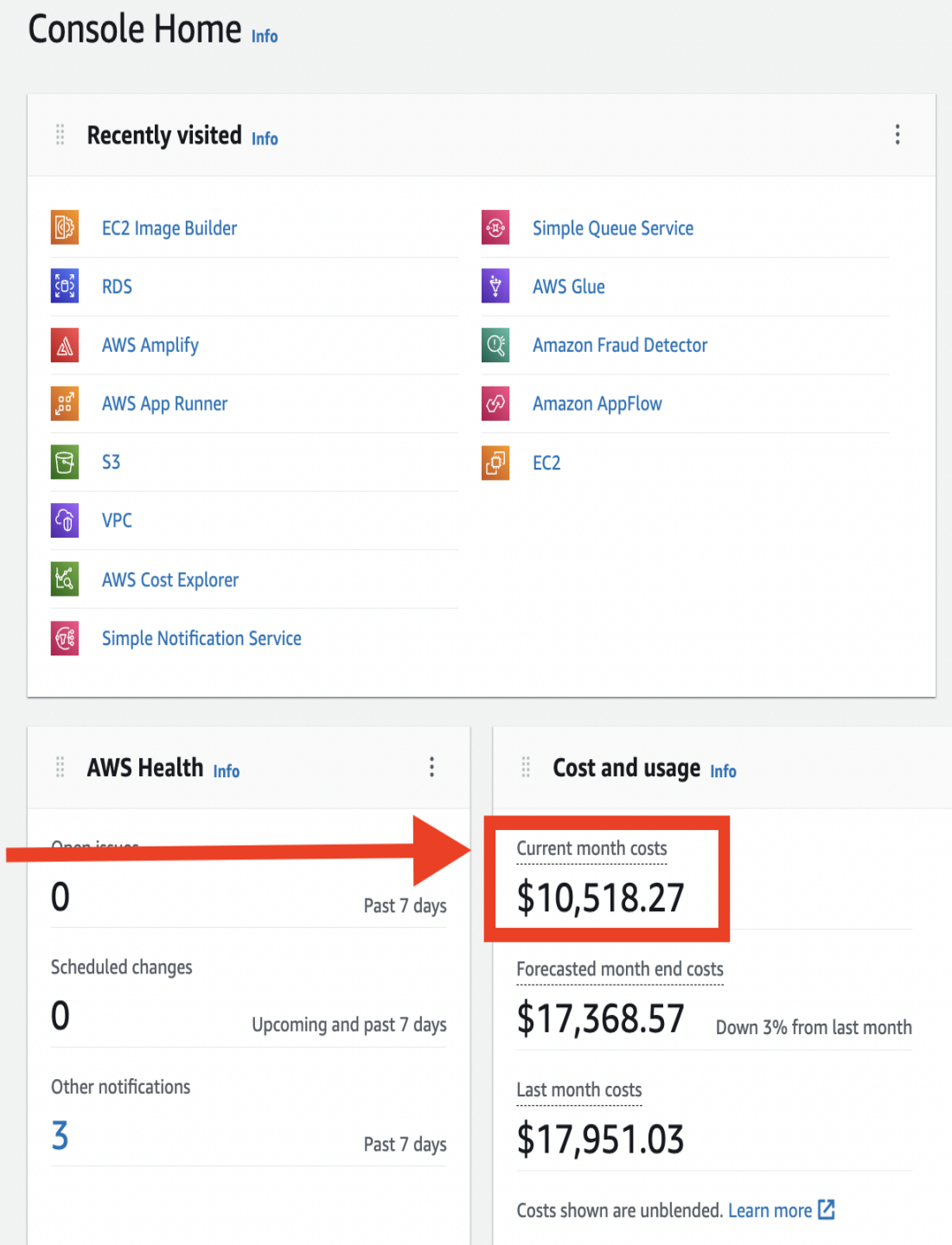
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Cloud cost per customer

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B2C cost per customer

Cloud cost per month
Total number of customers



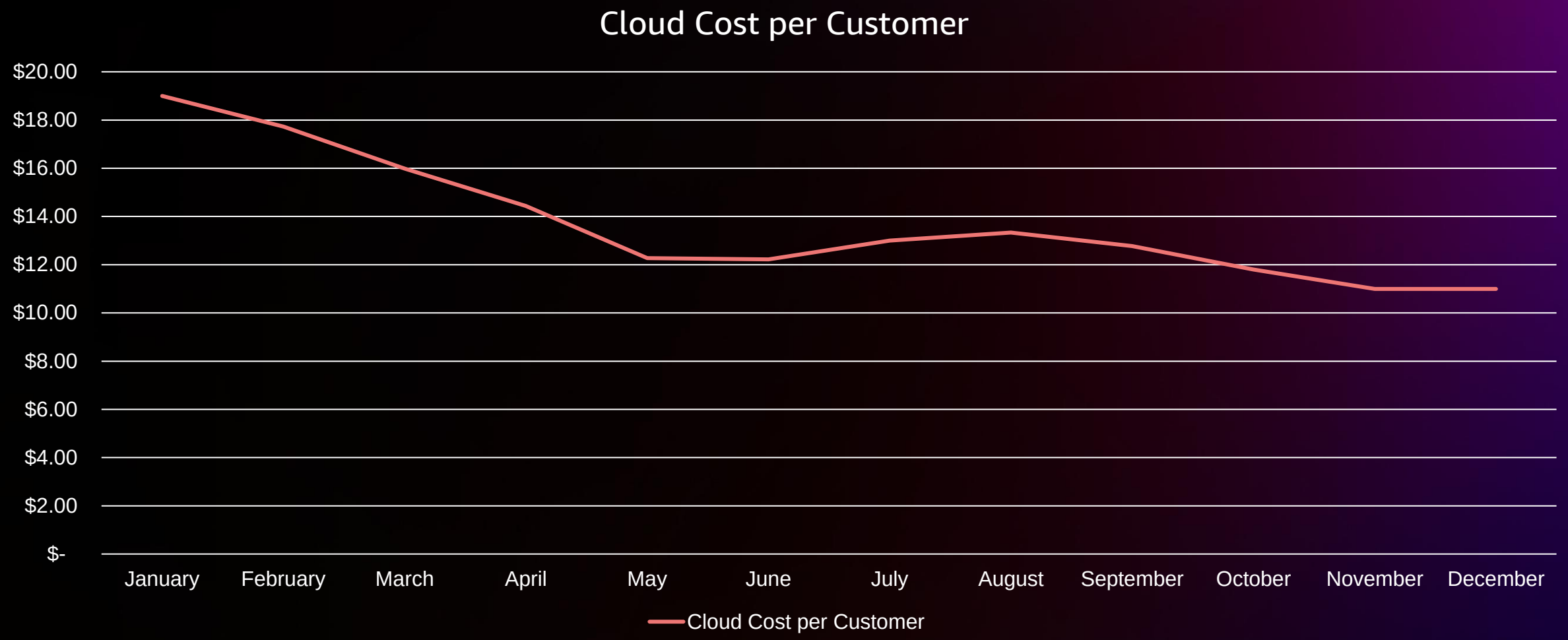
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B2B cost per tenant



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Track with your team



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Automate 

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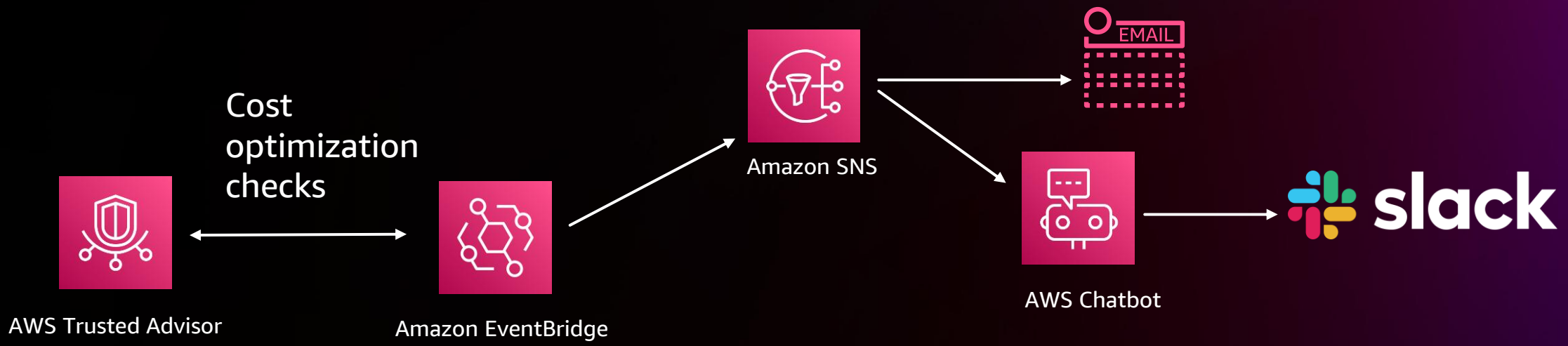
AWS Budgets

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AWS Cost Anomaly Detection

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AWS Trusted Advisor findings



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Intelligent Tiering



Amazon S3



Amazon EFS

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AWS Instance Scheduler



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Amazon SageMaker Studio auto shutdown



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Act 

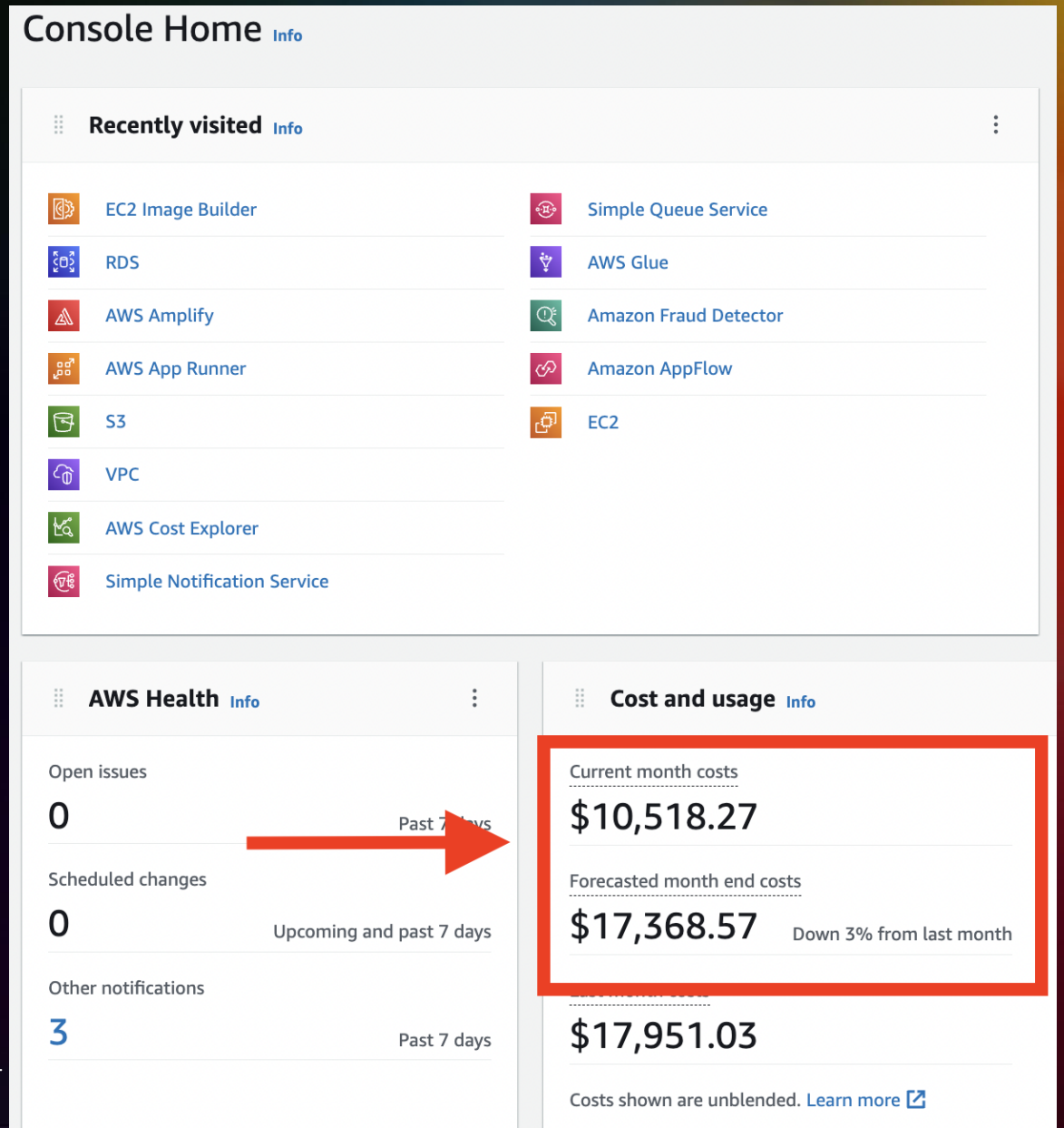
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Questions to answer with your team

1. What are my current & forecasted AWS costs?
2. What are the top 3 costs for AWS services this month?
3. What are my costs per “tag”?

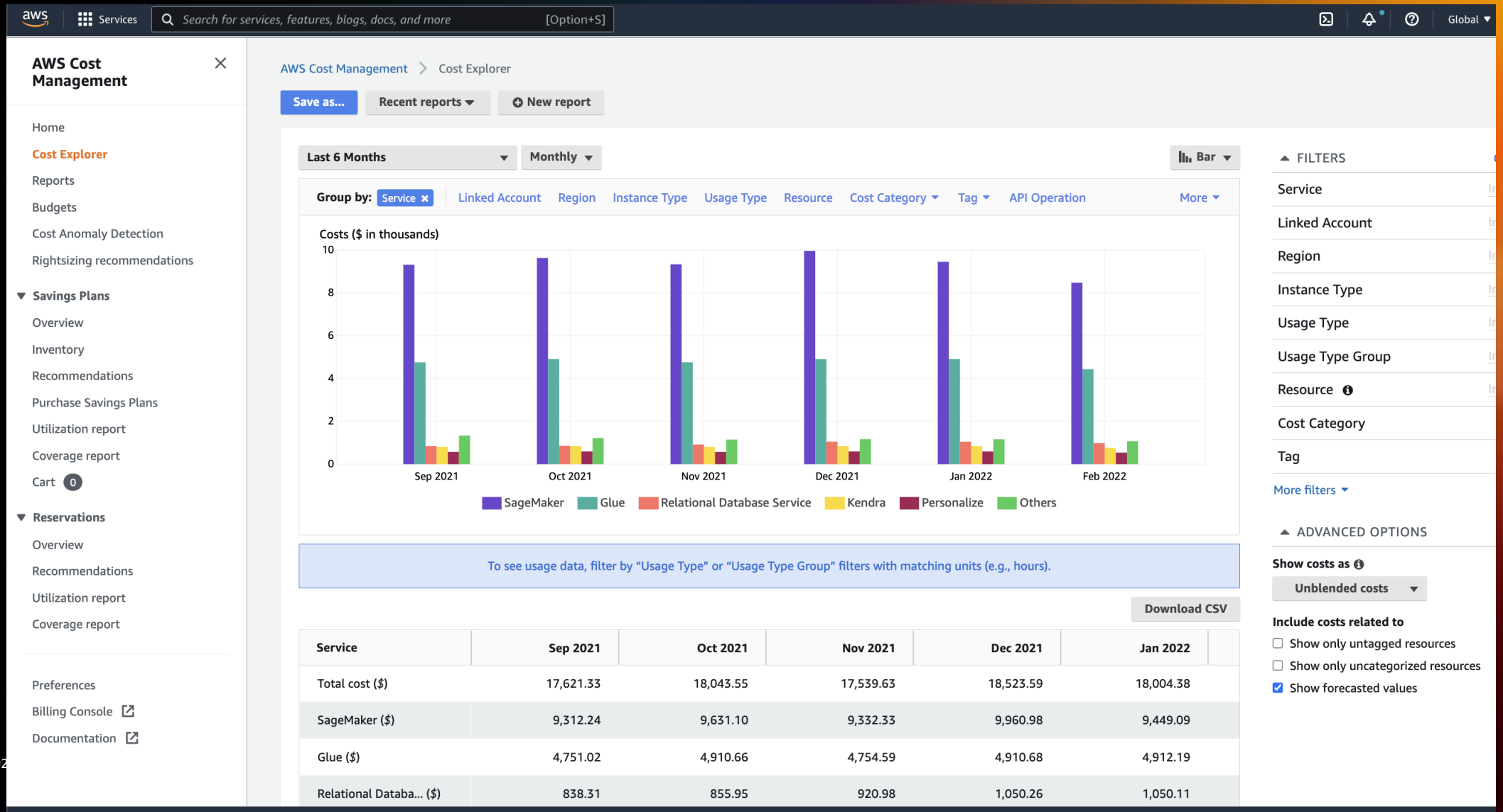
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Current & forecasted AWS costs



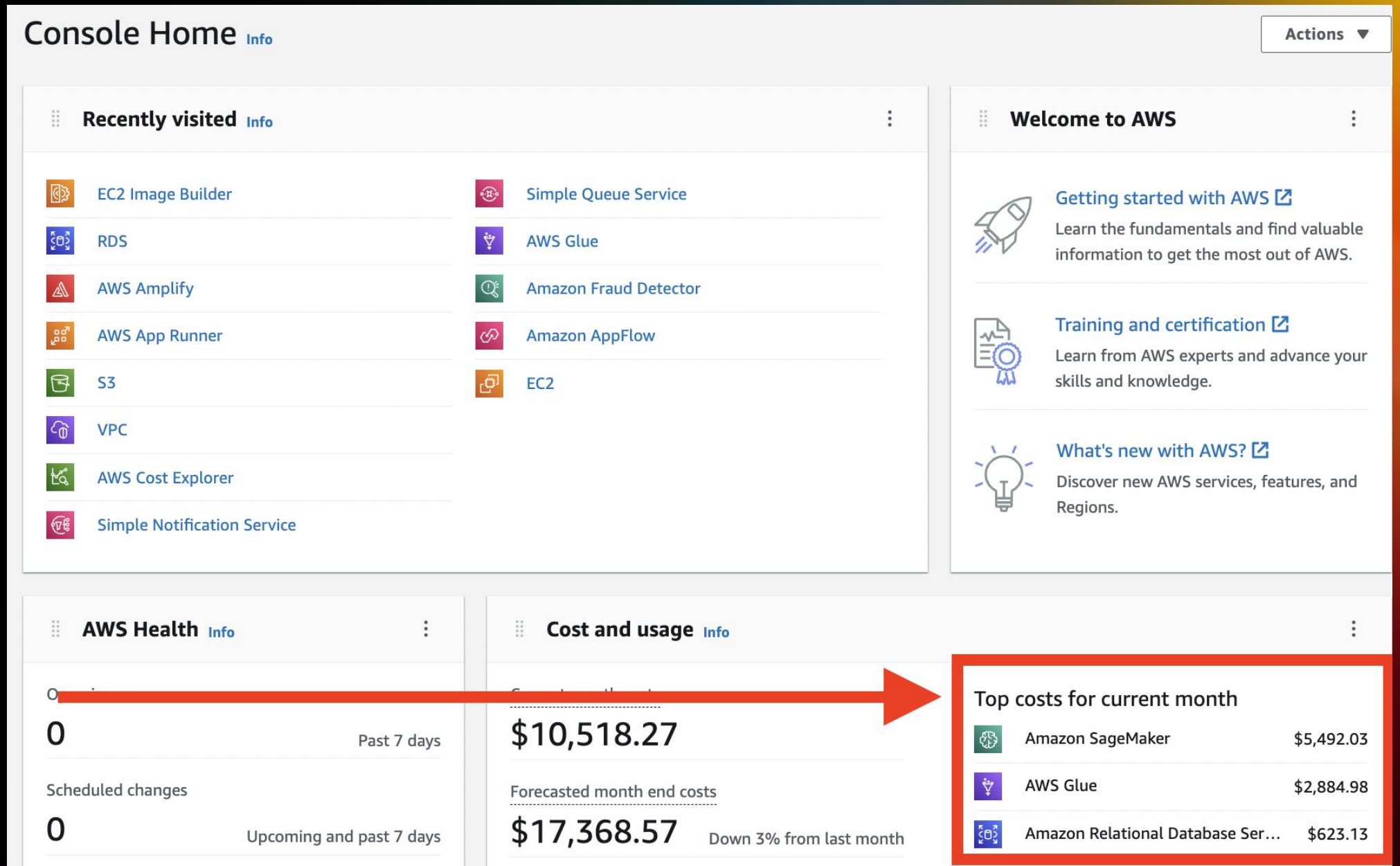
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View costs and filter by tags



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Top 3 costs for AWS services this month



AWS bill breakdown

▸ Pinpoint		$0.30
▸ QuickSight		$14.69
▸ Redshift		$0.00
▸ Relational Database Service		$313.32
▸ Route 53		$2.33
▾ SageMaker		$3,001.80
▸ **Asia Pacific (Sydney)**		**$252.29**
▸ **EU (Frankfurt)**		**$23.99**
▾ **US East (N. Virginia)**		**$2,725.52**
Amazon SageMaker CreateVolume-Gp2		$8.22
$0.14 per GB-Mo of Endpoint ML storage	57.206 GB-Mo	$8.01
$0.14 per GB-Mo of Notebook Instance ML storage	1.521 GB-Mo	$0.21
Amazon SageMaker RunInstance		$2,717.30
$0.05 per Notebook ml.t3.medium hour in US East (N. Virginia)	219.000 Hrs	$10.95
$0.23 per Hosting ml.m5.xlarge hour in US East (N. Virginia)	219.000 Hrs	$50.37
$0.24 per Hosting ml.m4.xlarge hour in US East (N. Virginia)	1,972.000 Hrs	$473.28
$0.408 per Hosting ml.c5.2xlarge hour in US East (N. Virginia)	219.000 Hrs	$89.35
$1.9 per Hrs for Canvas:Session-Hrs:RunInstance in US East (N. Virginia)	220.000 Hrs	$418.00
$3.825 per Hosting ml.p3.2xlarge hour in US East (N. Virginia)	438.000 Hrs	$1,675.35
Amazon SageMaker TimedStorage		$0.00
$0.45 per GB-Month of SageMaker Feature Store Storage in US East (N. Virginia)	0.000456 GB-Mo	$0.00

aws

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Test your knowledge on the four cost saving essentials

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Architecture principles for cost optimization

- Archive data to S3
- Compress data
- Serverless
- Delete anything not being used
- Partition optimally

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The biggest savings can come from the smallest steps done consistently

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Thank you!

Jillian Forde
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