DevOps.com WEBINAR

aws

7 Simple Ways to Reduce Your AWS Spend

nOps™

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Ask the Speakers

JT Giri

CEO & Founder

nOps

Rodney Lester

Principal Architect, AWS Well-Architected

aws

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Amazon Web Services (AWS) is the world's most comprehensive and broadly adopted cloud platform, offering over 175 fully featured services from data centers globally. Millions of customers—including the fastest-growing startups, largest enterprises, and leading government agencies—are using AWS to lower costs, become more agile, and innovate faster.

nOps is a SaaS cloud management platform designed to help rapid-growth companies build, monitor, and run a well-architected AWS infrastructure that is secure, cost-optimized, reliable, efficient, and operationally excellent. And, to help you keep it that way.

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7 Simple Ways to Reduce Your AWS Spend

AGENDA

DETAILS ***(All times PT)***

- **11:00 - 11:05 am -** Intro & Session Objectives *by JT Giri, nOps*
- **11:05 - 11:20 am -** Cost Management *by Rodney Lester, AWS*
- **11:20 - 11:50 am -** 7 Simple Ways to Reduce Your AWS Spend *by JT Giri, nOps*
- **11:50 - 12:00 pm -** Q&A *by AWS and nOps*

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AGENDA & TOPICS

Cost Management

Optimize the most expensive costs on your AWS bill.

7 Simple Ways to Reduce Your AWS Spend

Implement tagging, chargebacks, discover unaccounted costs, more.

Free AWS Health Check with nOps

Apply automation to cost-optimize your AWS environment continuously.

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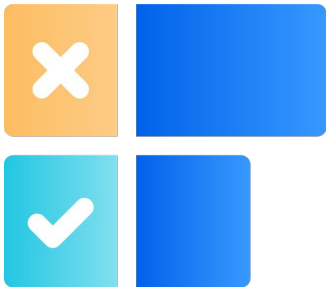

Poll

AWS Well-Architected

Cost Management

Rodney Lester
Principal Architect, AWS Well-Architected
Amazon Web Services

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Pillars of AWS Well-Architected

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Managing Costs

"Driving costs down for our customers is part of the DNA of Amazon and therefore also part of the DNA of AWS."

– Werner Vogels, CTO, Amazon

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Cost Optimization

The ability to run systems to deliver business value at the lowest price point.

– Cost Optimization Pillar - AWS Well-Architected Framework

http://bit.ly/cost-pillar

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Cost Optimization Design Principles

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Implement Cloud Financial Management

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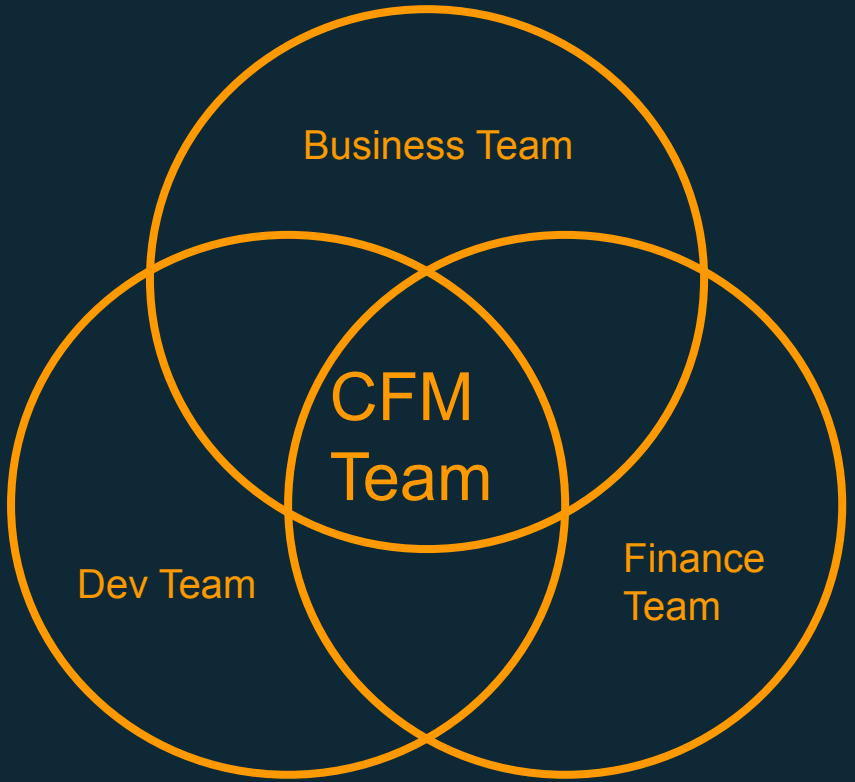
Build Cloud Financial Management Capabilities



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Adopt a consumption model

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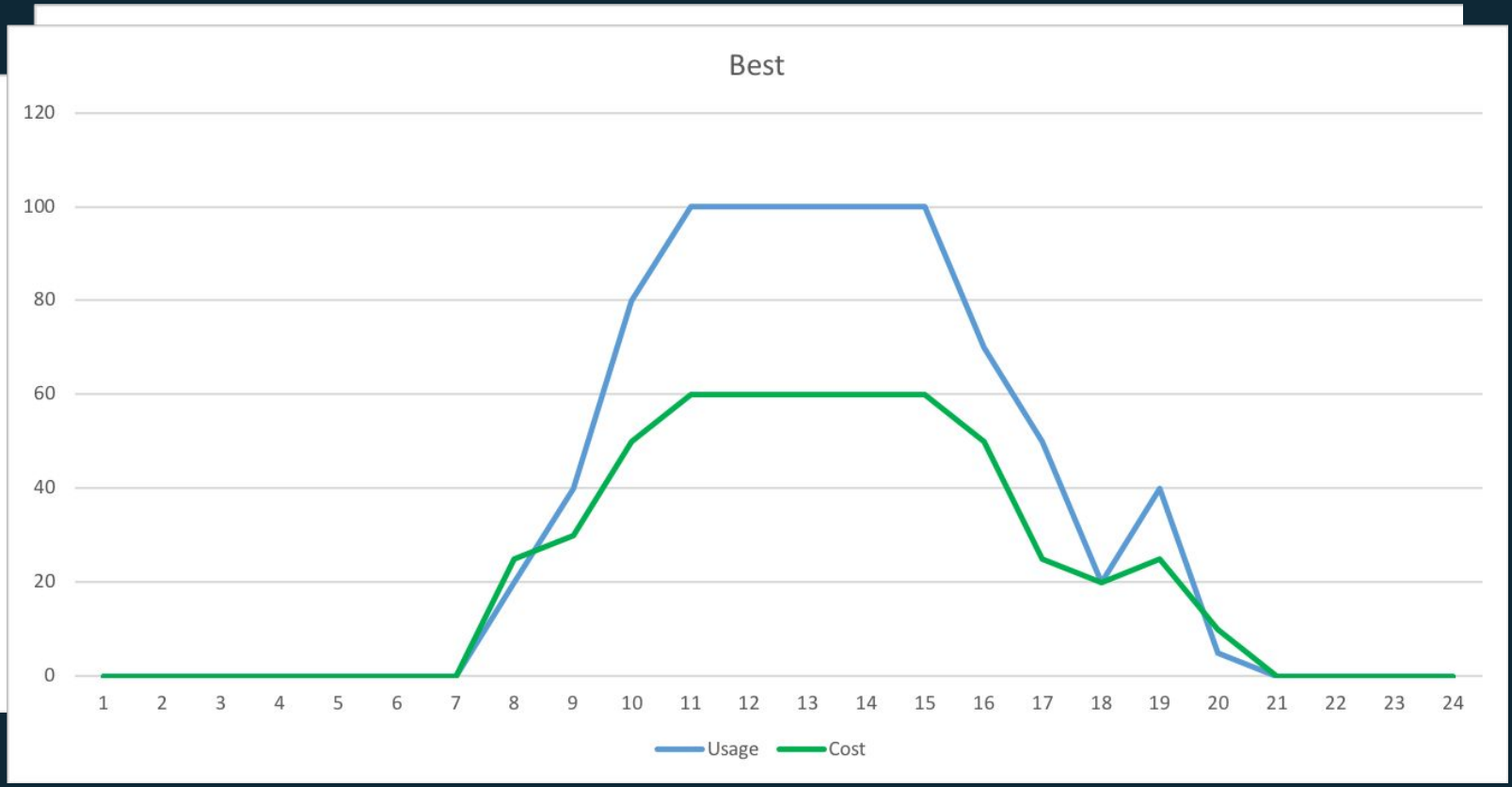
Costs and Usage



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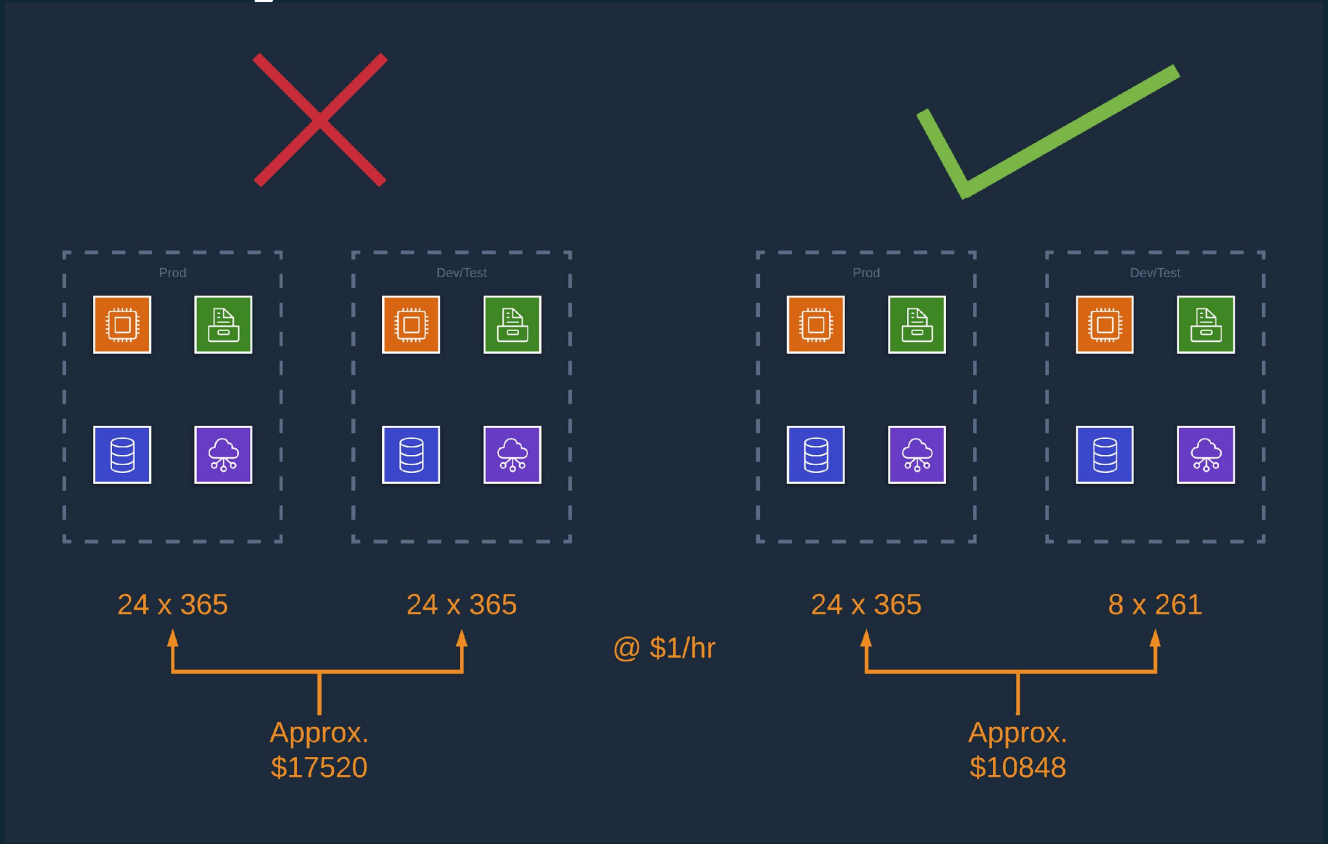
Pay for what you use



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Measure overall efficiency

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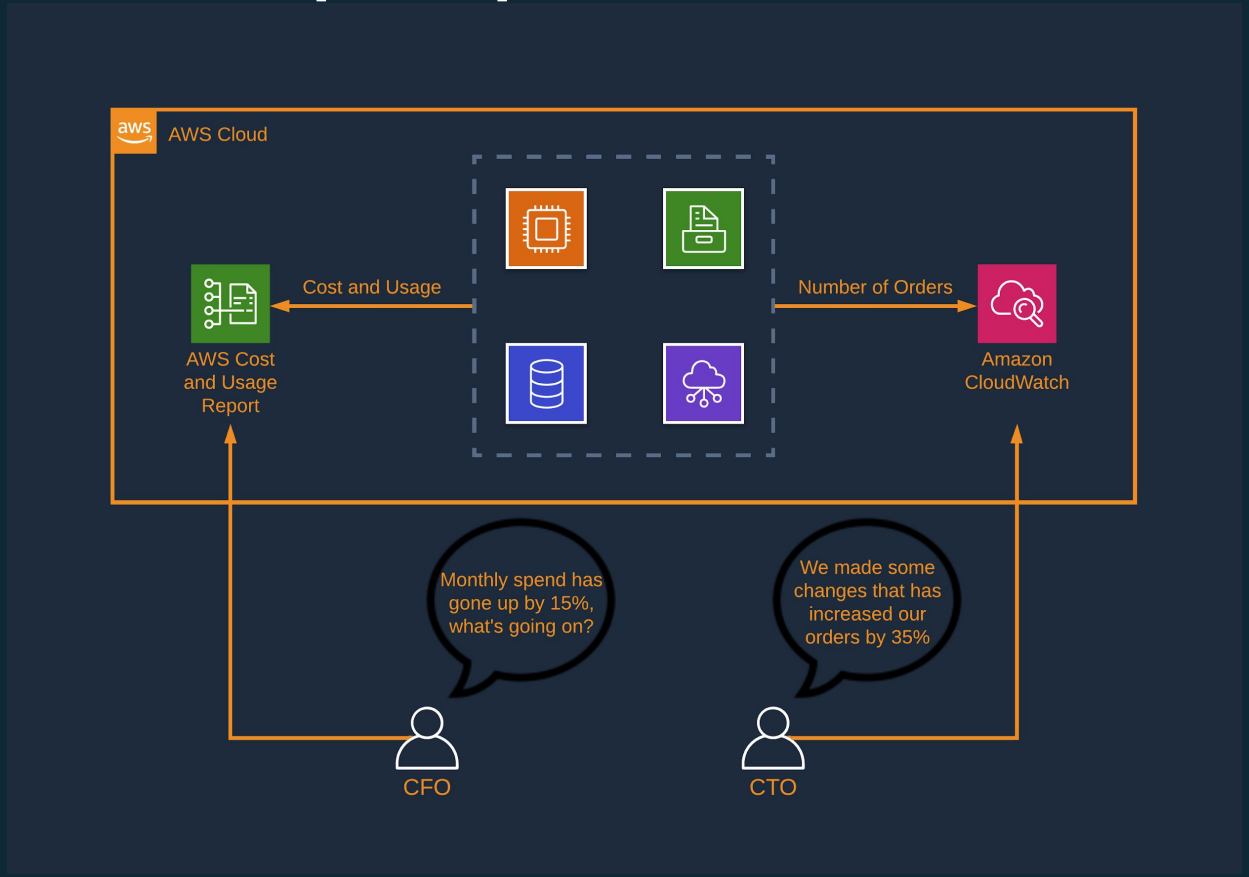
Look at the complete picture: Cost vs. Investment



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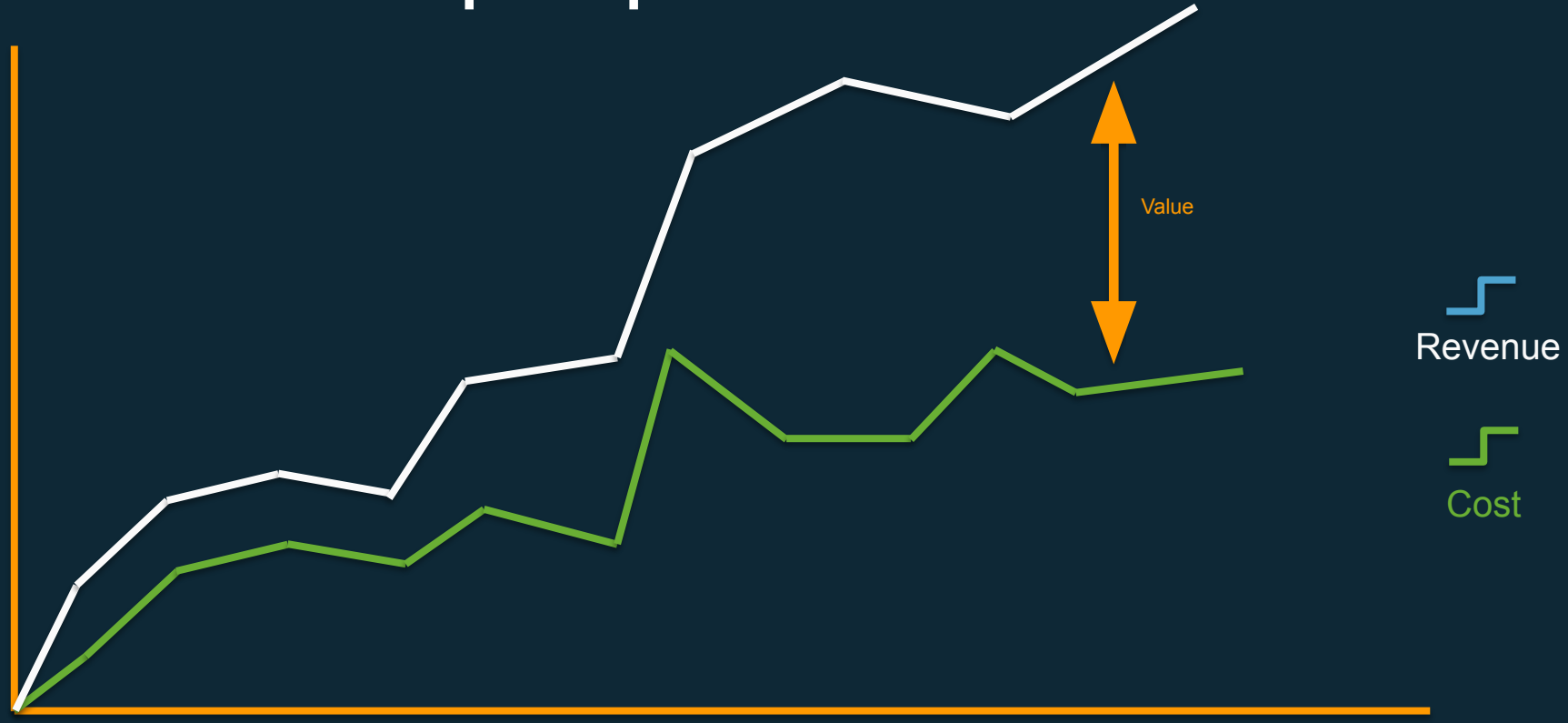

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Stop spending money on undifferentiated heavy lifting

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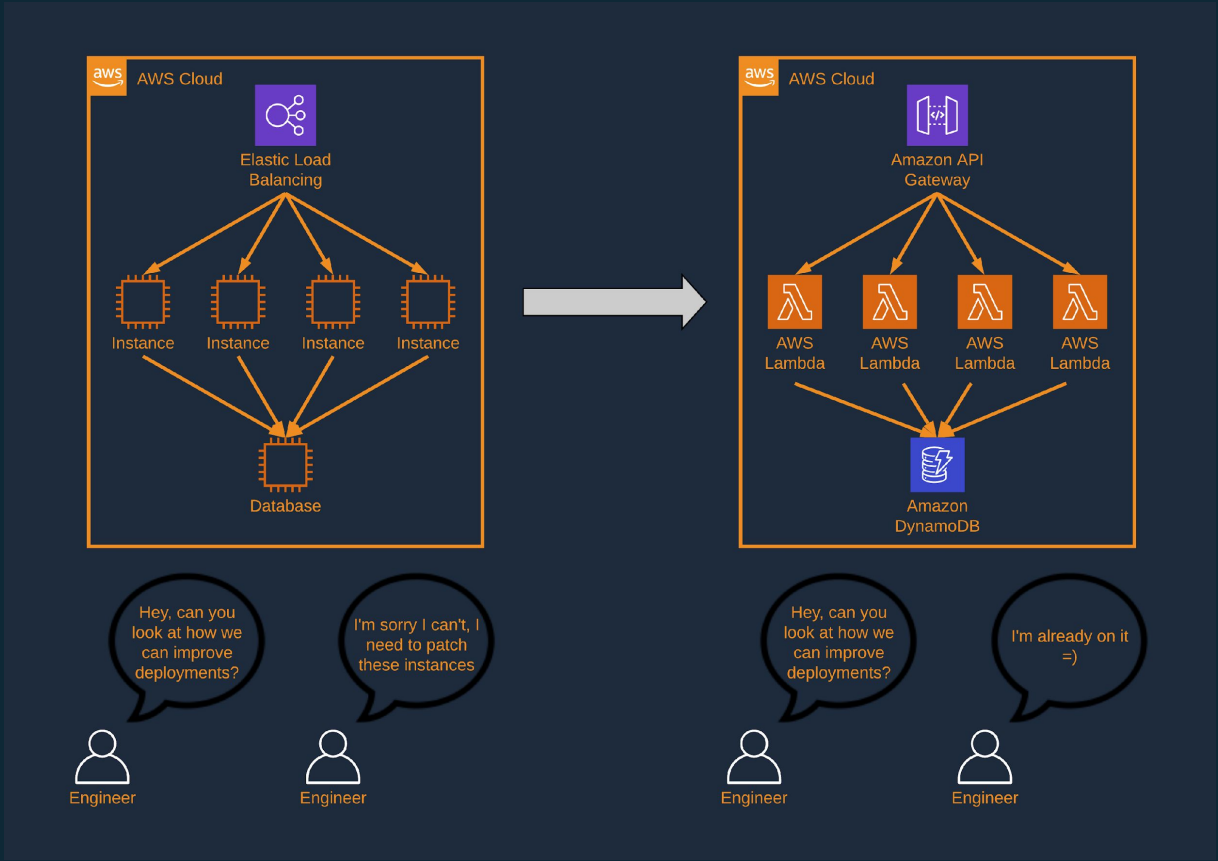
We add bits, you add bytes



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Analyze and attribute expenditure

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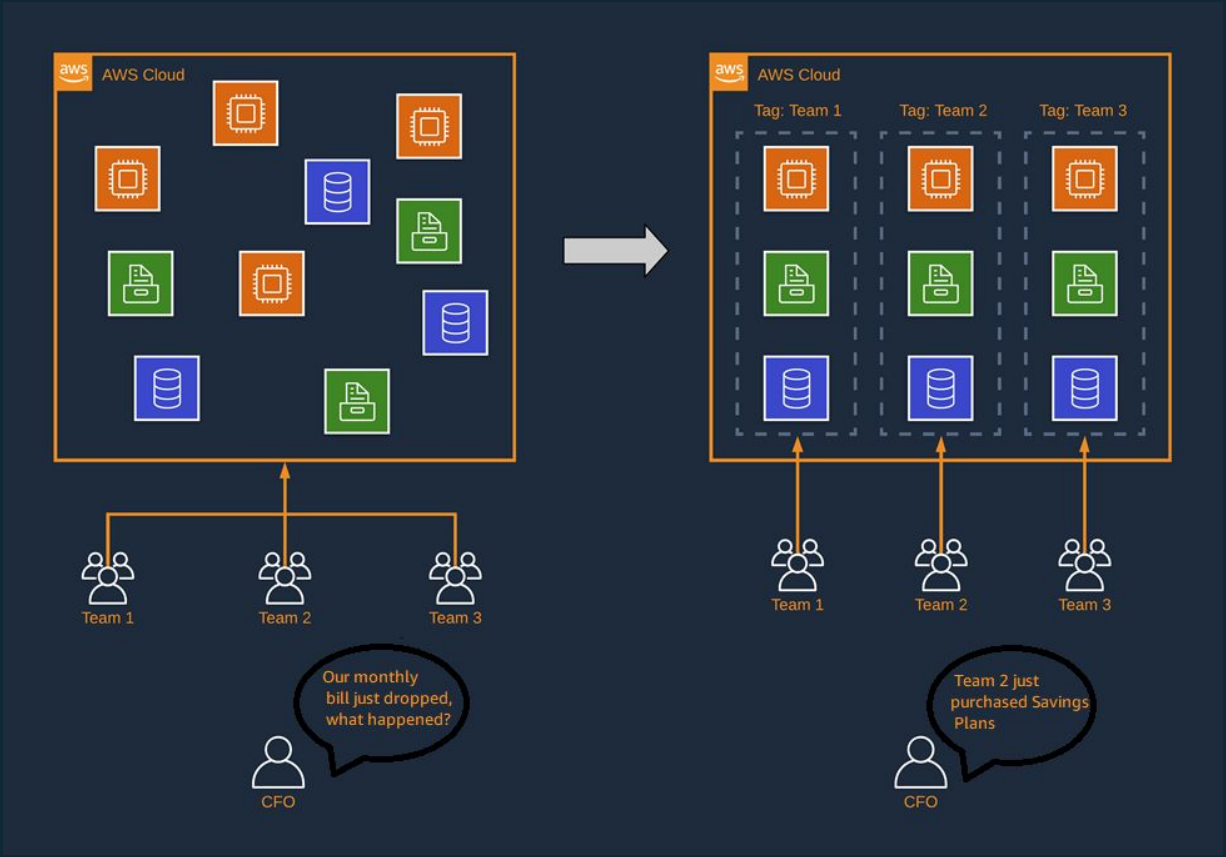
Identify usage and cost



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Cost Optimization design principles

- Practice Cloud Financial Management (CFM)
- Adopt a consumption model
- Measure overall efficiency
- Stop spending money on undifferentiated heavy-lifting
- Analyze and attribute expenditure

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Resources

- AWS Well-Architected Framework
- AWS Well-Architected Cost Optimization Pillar
- AWS Well-Architected Cost Optimization Questions and Best Practices
- AWS Well-Architected Labs – Cost Optimization
- Amazon Builders' Library
- Cloud Financial Management with AWS

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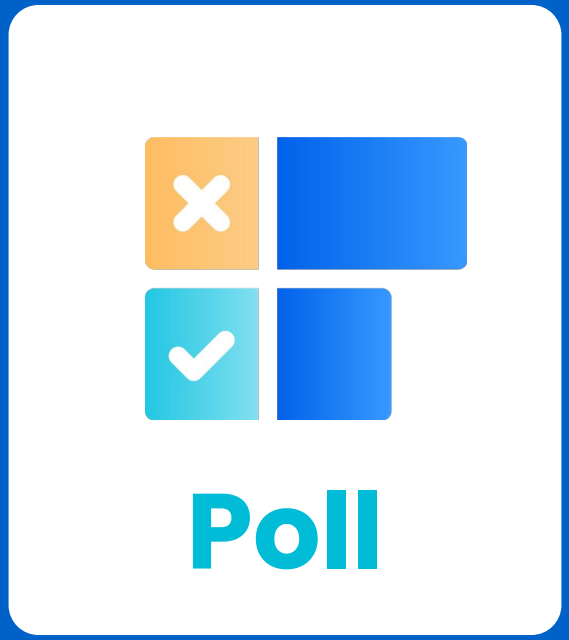
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7 Simple Ways to Reduce Your AWS Spend

JT Giri
CEO & Founder
nOps

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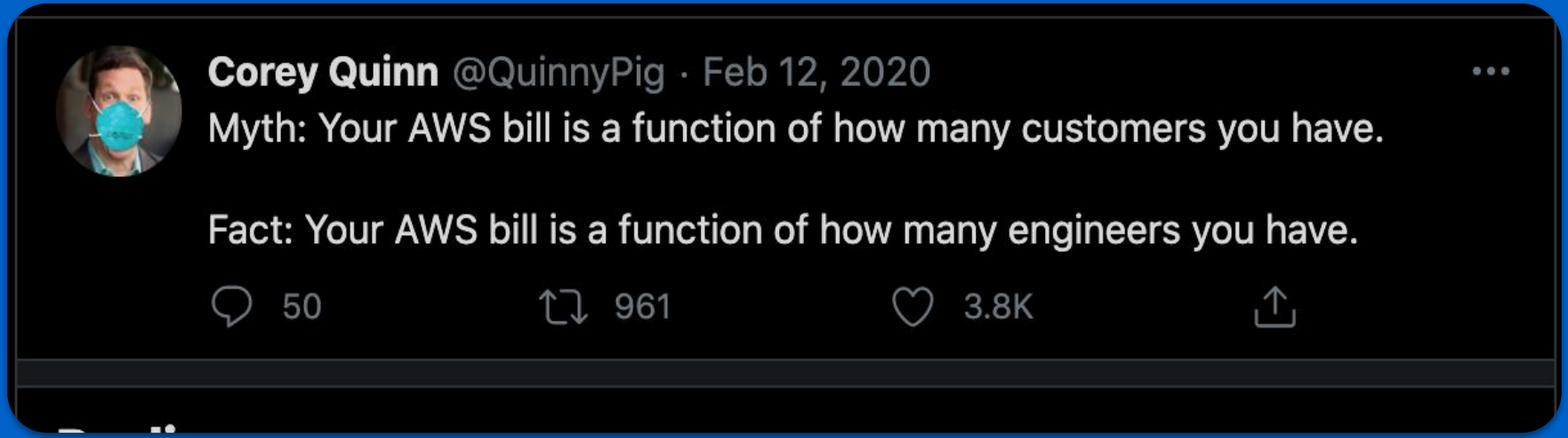

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Freedom of cloud comes with accountability of teams.

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7 Simple Ways to Reduce Your AWS Spend

1. Rightsize.
2. Chargebacks.
3. Unused resources.
4. Unaccounted costs.
5. Networking costs.
6. Cost trends.
7. Schedule an AWS Well-Architected Framework Review.

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1 Continuously rightsize your infrastructure.

- Constantly align resources with demand and business needs.
- Get started quickly but analyze historical usage to rightsize resources.

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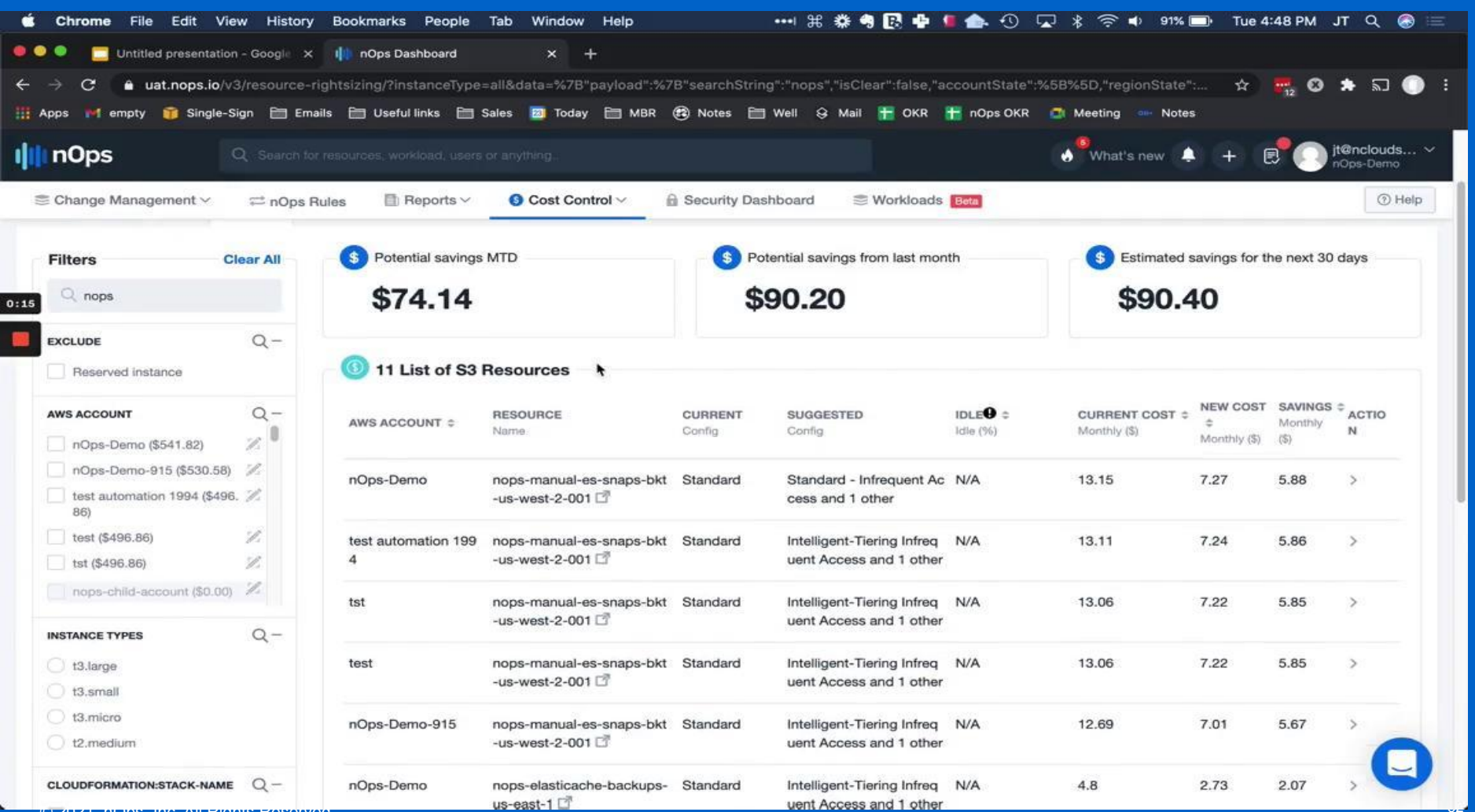

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2 Use chargebacks to build better accountability.

- Bring a culture of better accountability.
- Assign budgets for teams and business units on a monthly and quarterly basis.

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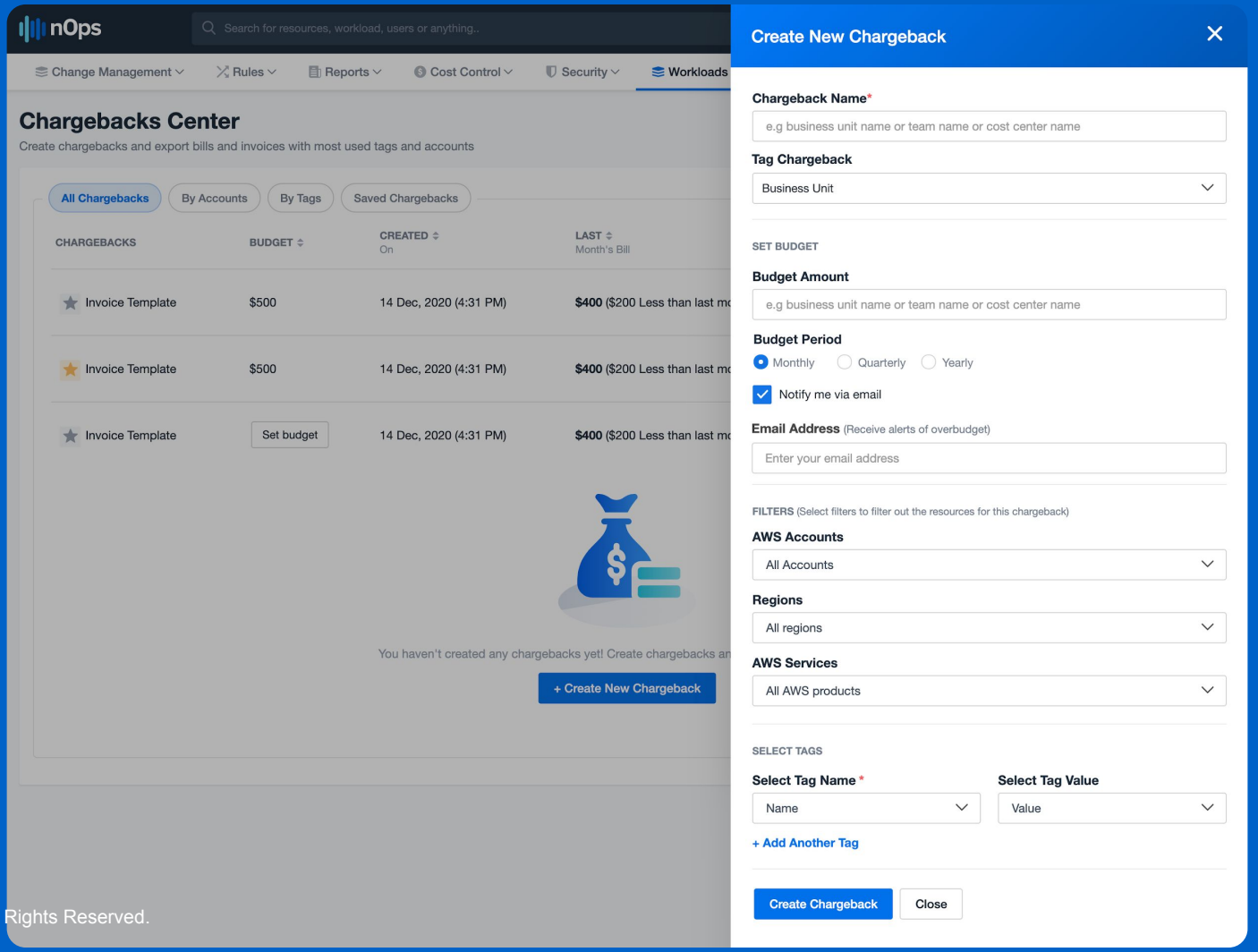

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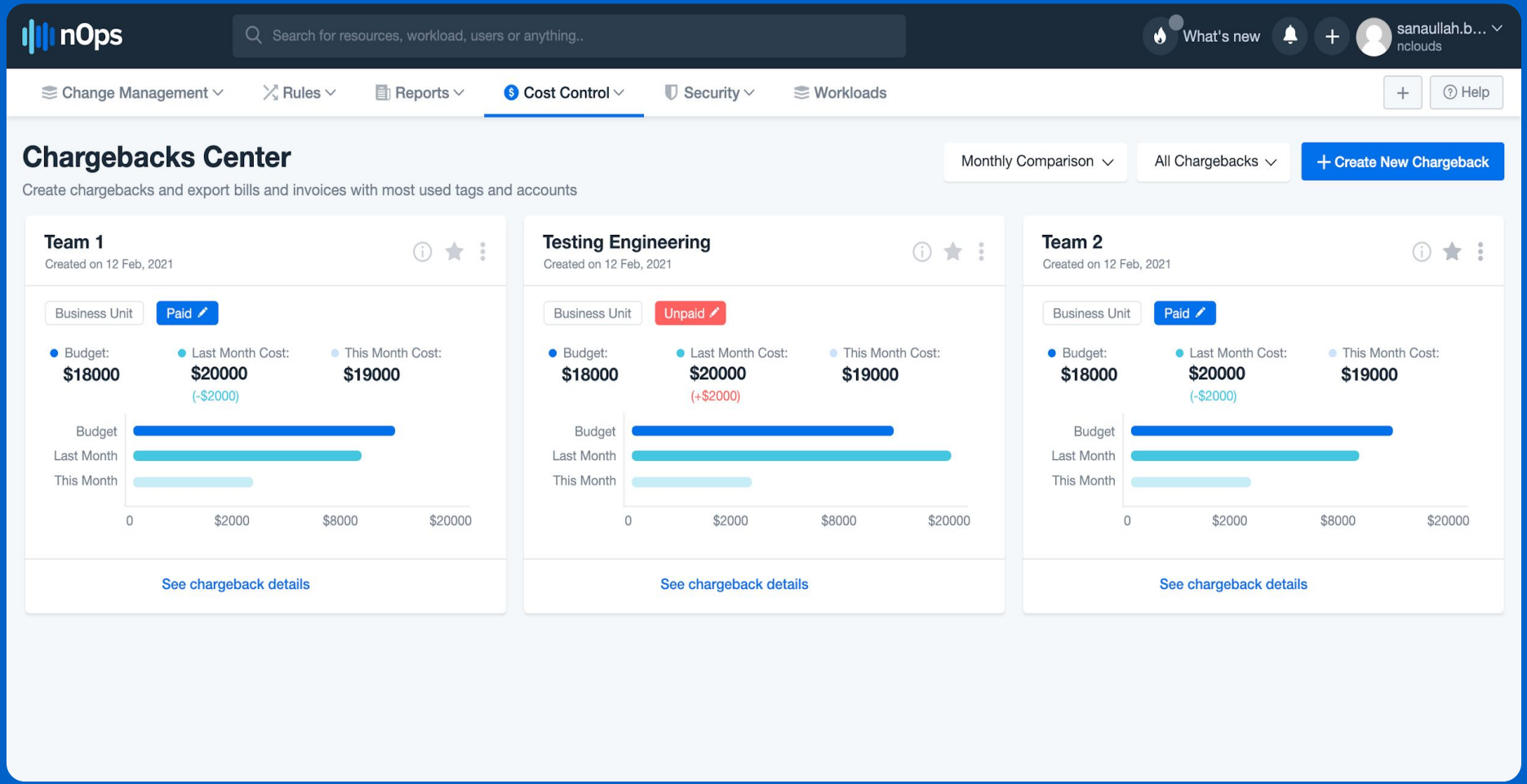

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3 Delete unused resources.

- Find unused volumes attached to stopped instances.
- Find load balancers without EC2 instances.
- Configure alerts for real-time notifications for unused resources.

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4 Identify unaccounted costs.

- Analyze tags to find resources without tags.
- Review tag distribution to expensive resources.

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5 Address your networking costs.

- Many types of network spend:
  - DataProcessing-Bytes or REGIONNAME1-DataProcessing-Bytes
  - DataTransfer-Out-Bytes or REGIONNAME1-DataTransfer-Out-Bytes
  - **DataTransfer-Regional-Bytes or REGIONNAME1-DataTransfer**-Regional-Bytes

- Data transfer in the same AZ is free, so if your workload does not need cross-AZ for high availability, consider running it in one AZ.

Blog post on reducing networking costs.

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6 Monitor your cloud cost trends.

- Review cost trends daily and get to the source with root cause analysis.

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7 Align your infrastructure with AWS Well-Architected.

- Evaluate pros and cons of your decisions real time.
- Regularly do Well-Architected Reviews.

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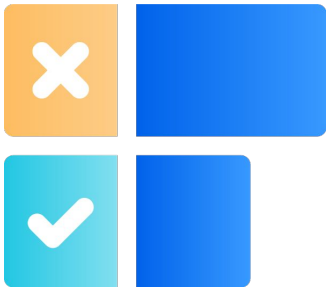

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Next steps

Free AWS Health Check with nOps

- Identify high-risk issues (HRIs) immediately.
- Optimize AWS costs – typically 18-50% cost savings.
- Customer credits for Well-Architected issue remediation.*

** From AWS, when you proceed with remediation within 30 days of an AWS Well-Architected Review.*

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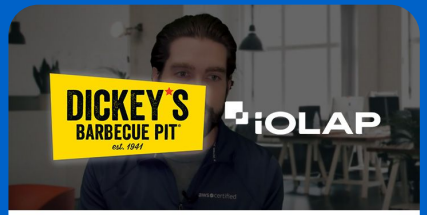
Typical 18-50% cost savings

nOps case studies



CLIENT STORY

Dickey's Barbecue Pit & iOLAP use nOps to identify 24% AWS cost savings and manage ongoing infrastructure health.

WATCH 3-MINUTE VIDEO CASE STUDY →

24%

CLIENT STORY

Grupo JCPM

Grupo JCPM accelerates delivery of ecommerce platform on AWS to meet COVID-19 needs of retail customers..

READ CASE STUDY →

19%

CLIENT STORY

6Connex

How nOps helped 6Connex reduce AWS cloud costs by 50%, and comply with security best practices to meet the ISO information security standard.

READ CASE STUDY →

50%

Uber

"nOps allows us to operationalize costs and get them in front of the engineers directly, saving **15% in the first month** of implementation. Awesome tool!"

– Uber Advanced Technologies Group

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nOps Resources

nOps

nOps Free Trial

nOps Case Studies

APN Blog Post – AWS Well-Architected, by JT Giri

Blog - AWS Networking Data Transfer Costs

How Uber Reduced AWS Costs 15% in 30 Days

451 Research

451 Research Report – nOps

Video – Get Well-Architected for Continuous Compliance & DevSecOps

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Q&A

Ask the Speakers

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Rodney Lester

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Thank You

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