AWS re:Invent

NOV. 29 – DEC. 3, 2021 | LAS VEGAS, NV

COP221

Gain health and performance insights using Amazon CloudWatch

Omur Kirikci

Sr. Product Manager, Technical,
Amazon CloudWatch
Amazon Web Services

Zach Perry

VP of Platform Engineering
Arc XP at Washington Post

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Agenda

- Launch announcement: Amazon CloudWatch Metrics Insights
- How Washington Post uses Metrics Insights for troubleshooting

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

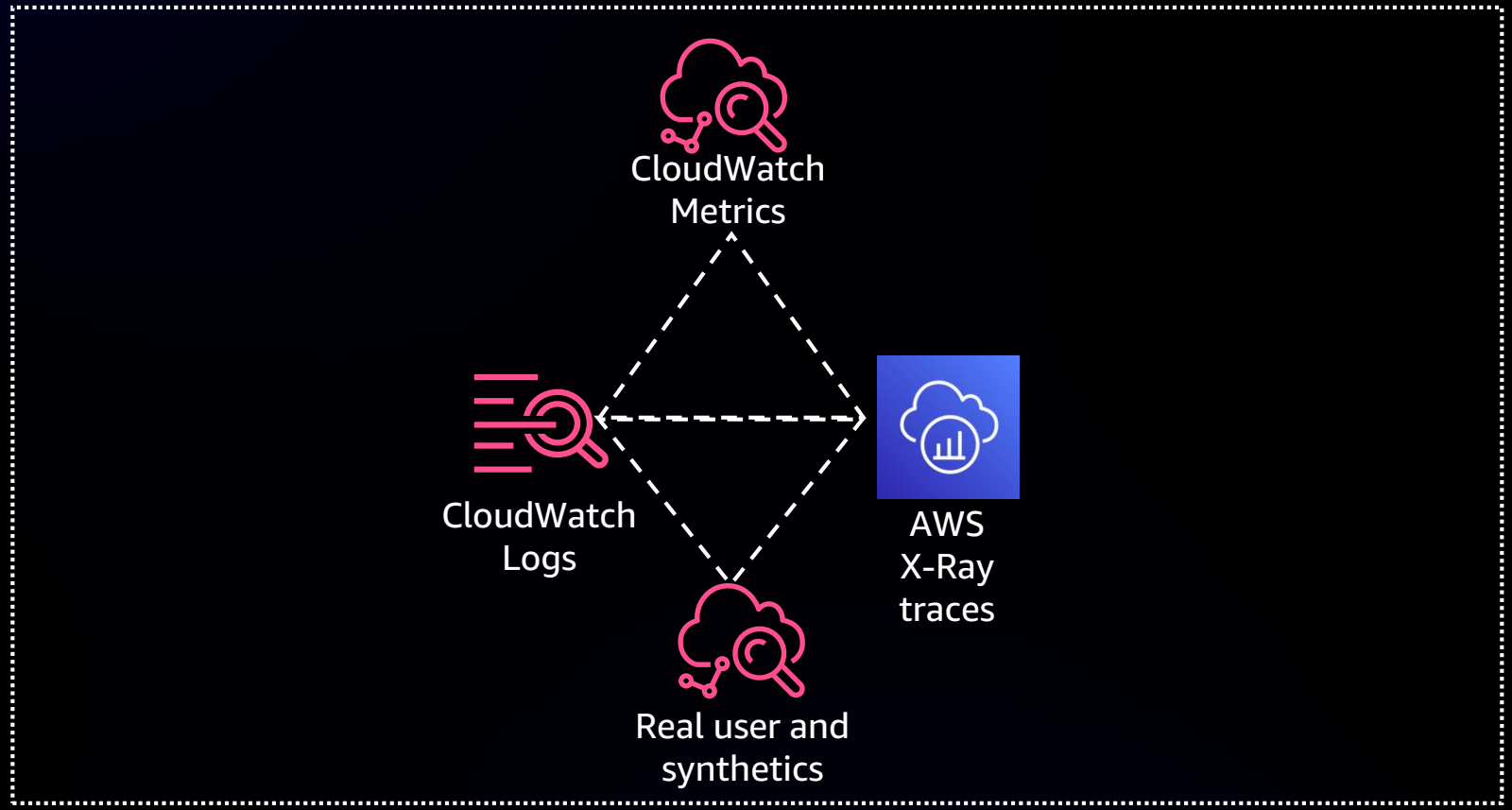
What is observability?



© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

What is Amazon CloudWatch?

ServiceLens for application monitoring and troubleshooting



Built-in alarming and automated actions like auto scaling

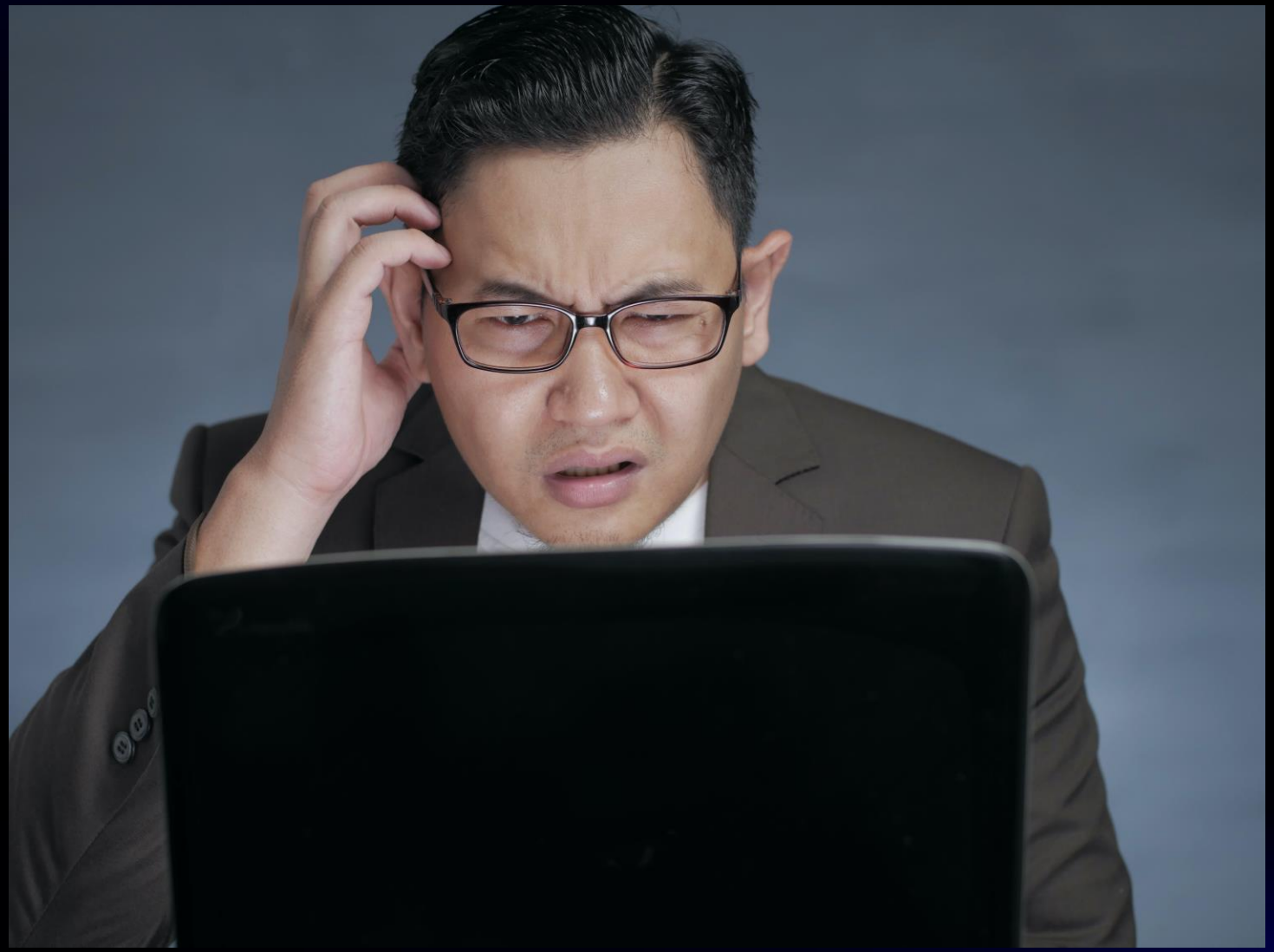
CloudWatch agent

Instrumentation

X-Ray agent

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Customer environments are changing



© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Scale



© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Flexibility



© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Speed



© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Launching Metrics Insights

A fast, flexible, SQL-based query engine

so you can analyze millions of operational metrics

in real time

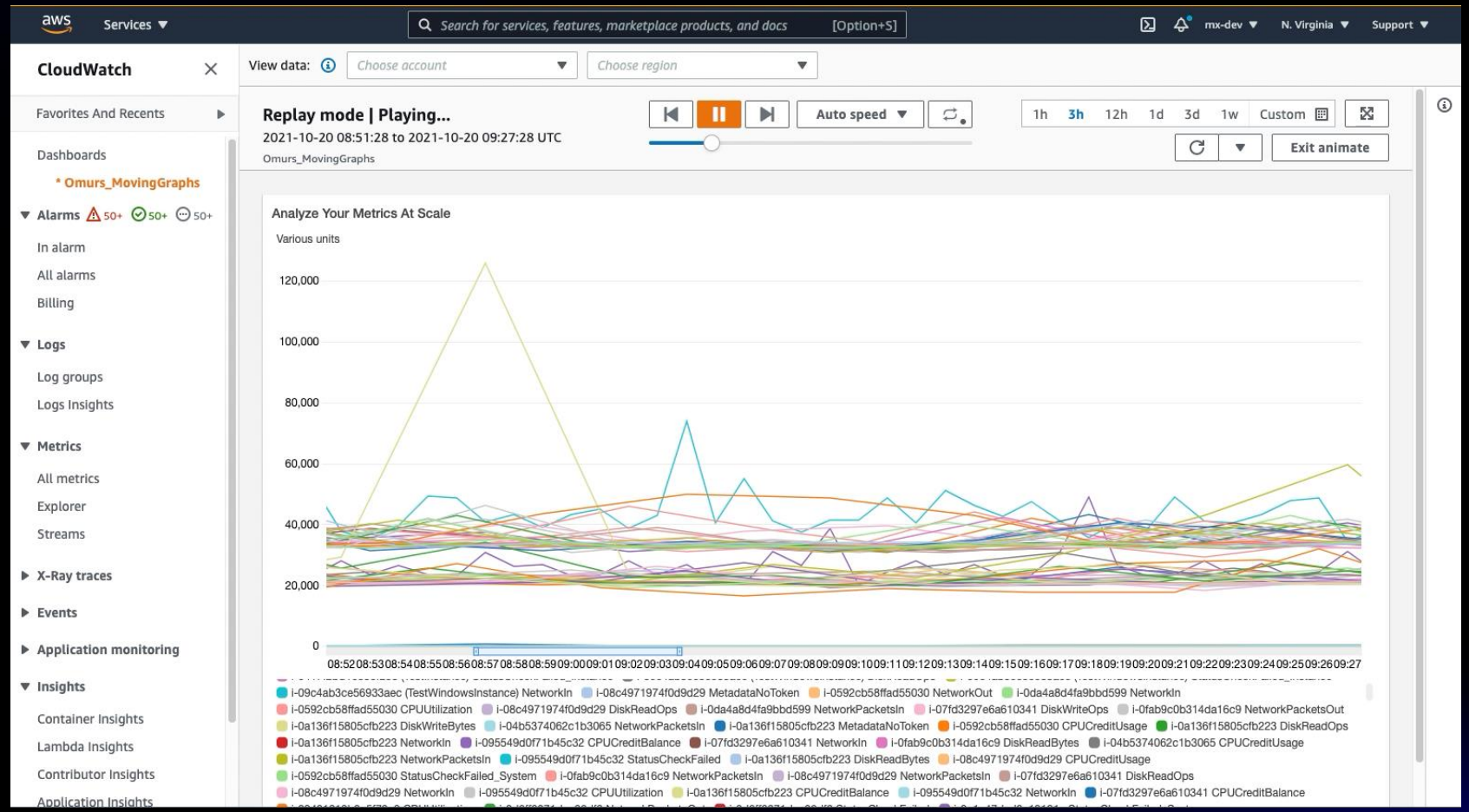
© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Make your data work for you as you scale

NEW RELEASE: METRICS INSIGHTS WITH AMAZON CLOUDWATCH

LAUNCH

Identify trends and patterns within your millions of metrics in real time



aws

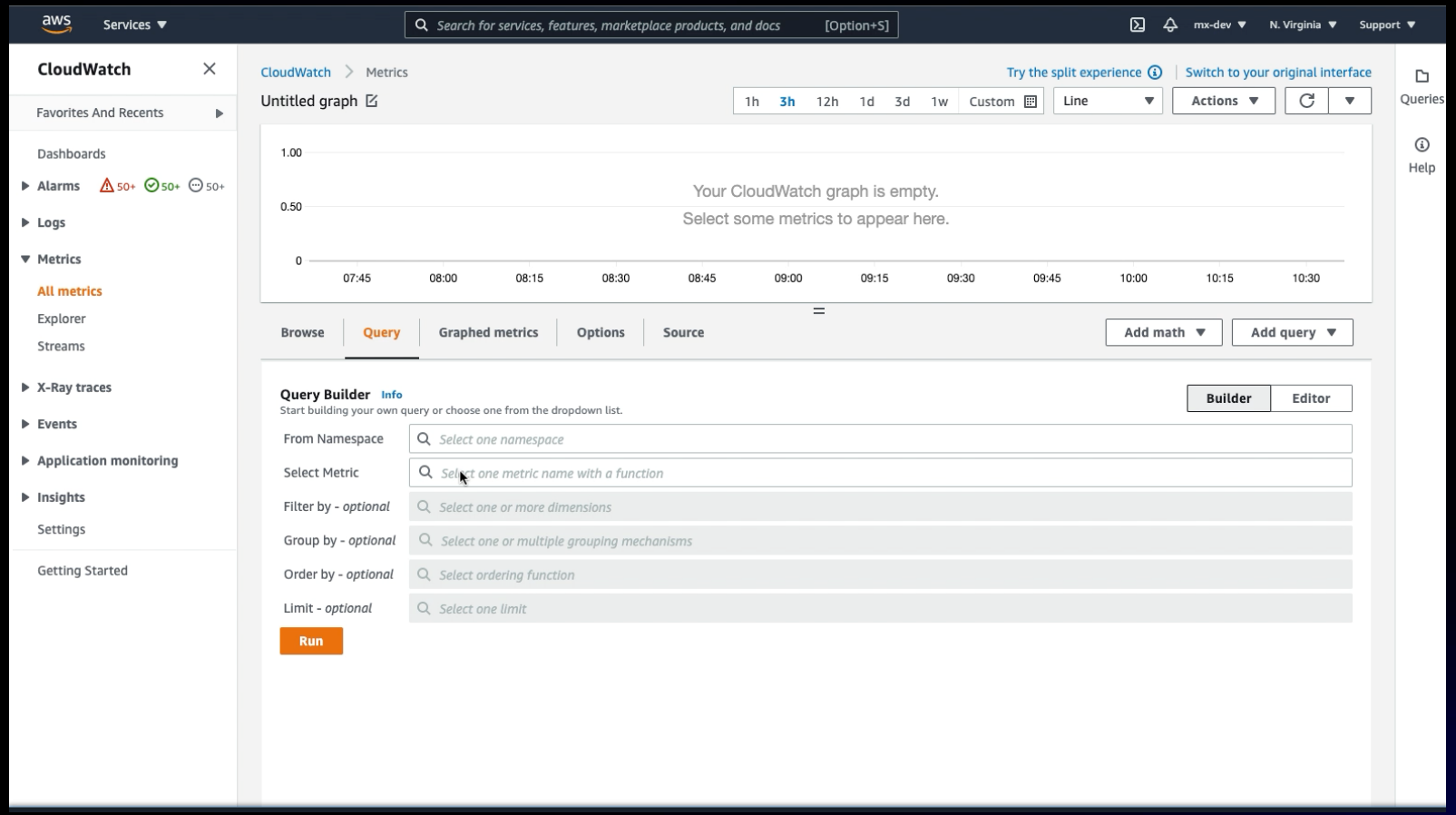
© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Build SQL queries visually

NEW RELEASE: METRICS INSIGHTS WITH AMAZON CLOUDWATCH

LAUNCH

Use the intuitive query builder to navigate through your metrics and graph them easily



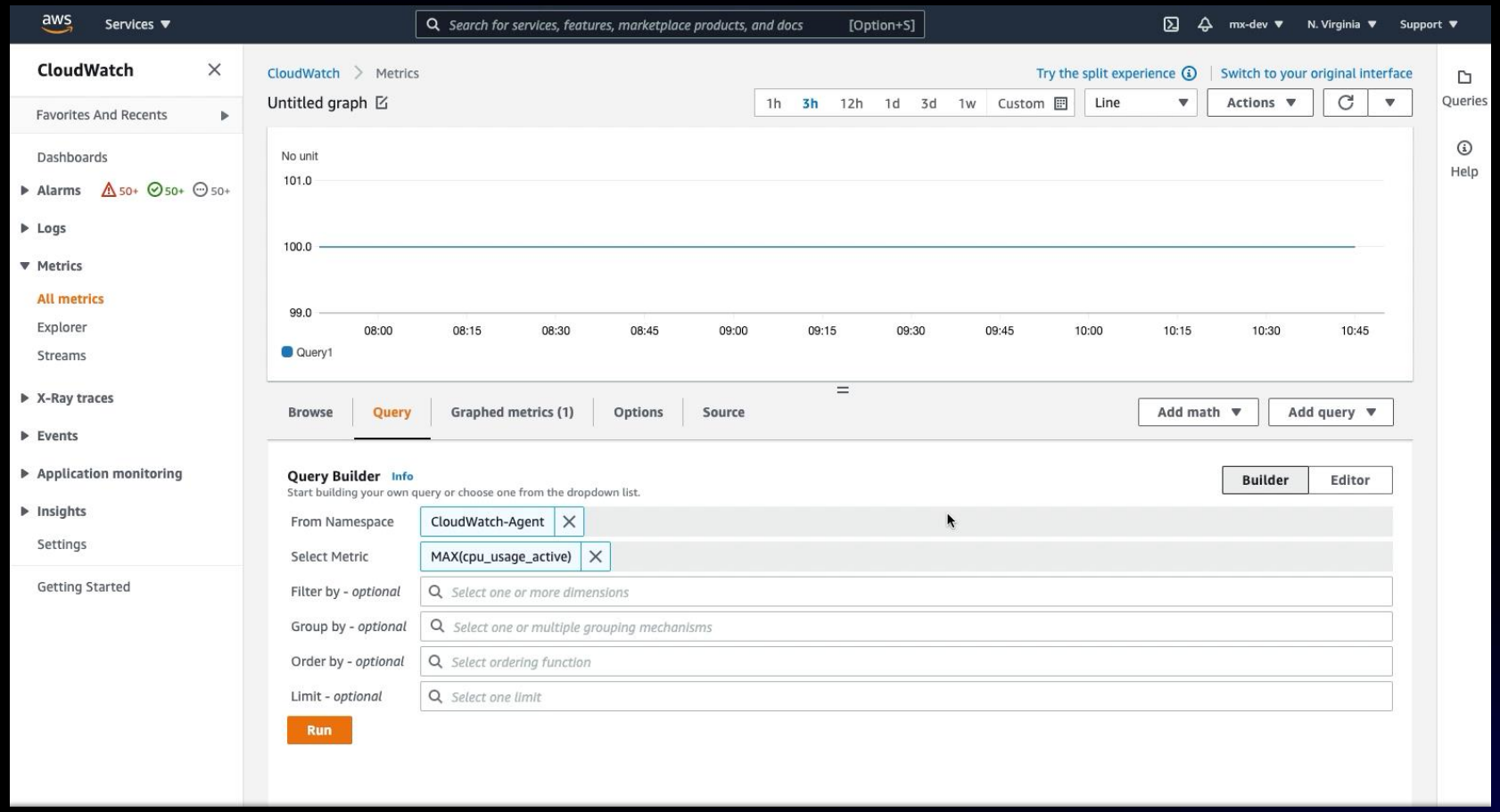
© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Build advanced queries on SQL editor

NEW RELEASE: METRICS INSIGHTS WITH AMAZON CLOUDWATCH

LAUNCH

Run advanced SQL queries on the raw SQL query editor to analyze your infrastructure and application metrics at scale



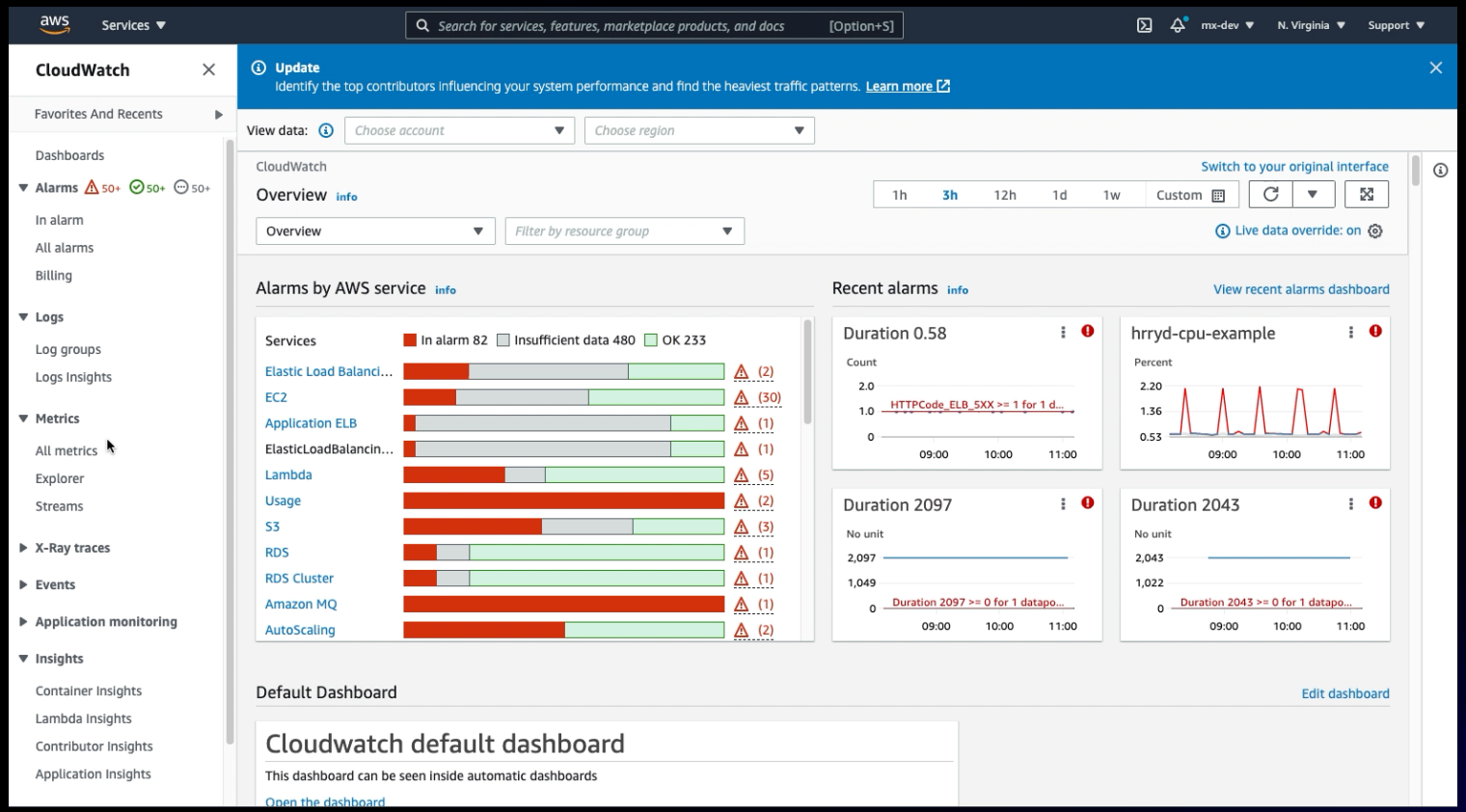
© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Flexibly group your metrics

NEW RELEASE: METRICS INSIGHTS WITH AMAZON CLOUDWATCH

LAUNCH

Quickly compare, aggregate, and group your metrics by Availability Zones, Auto Scaling groups, cluster names, or AWS Lambda function names to gain real-time operational insights



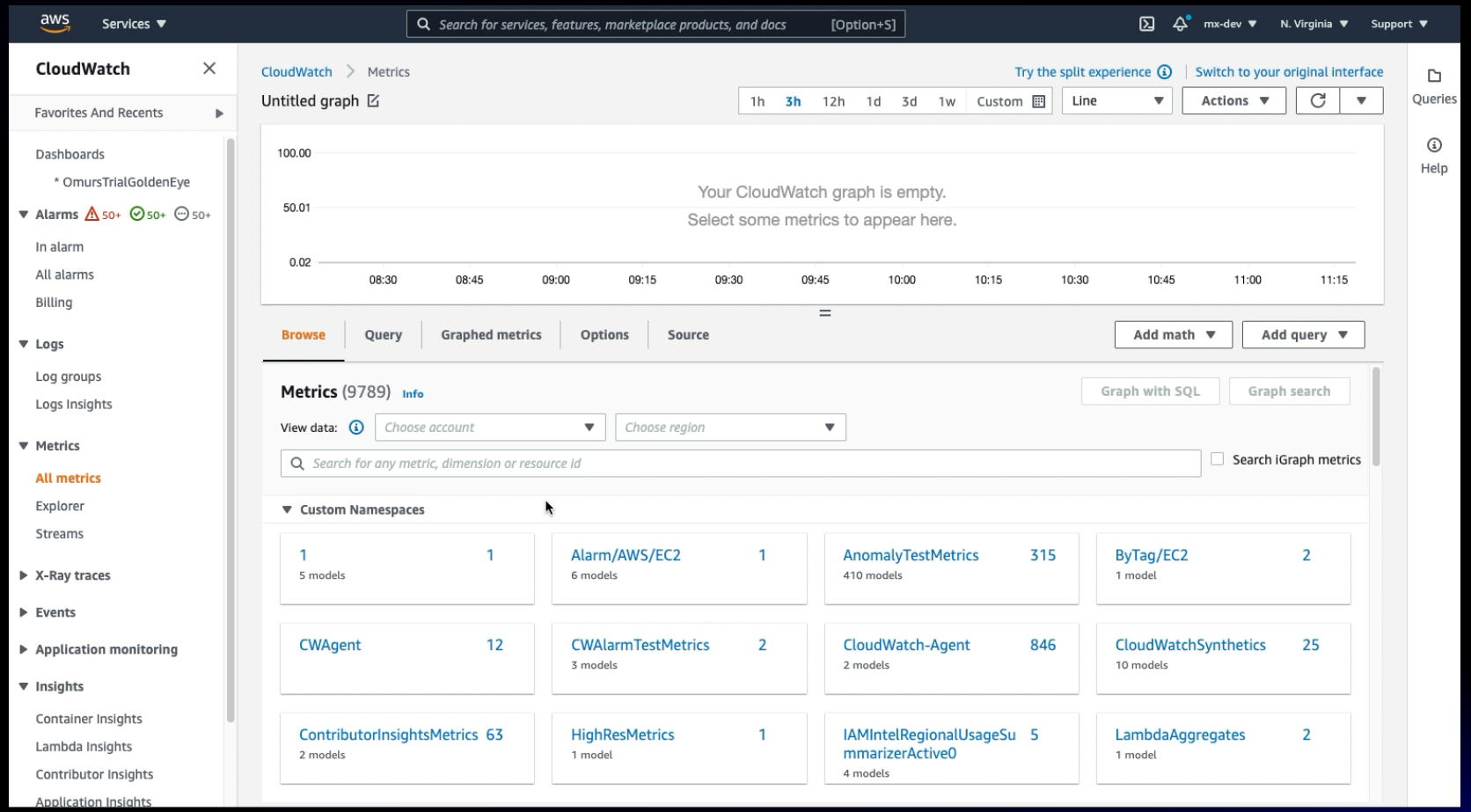
© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Create powerful visualizations

NEW RELEASE: METRICS INSIGHTS WITH AMAZON CLOUDWATCH

LAUNCH

Create health and performance dashboards on your queries



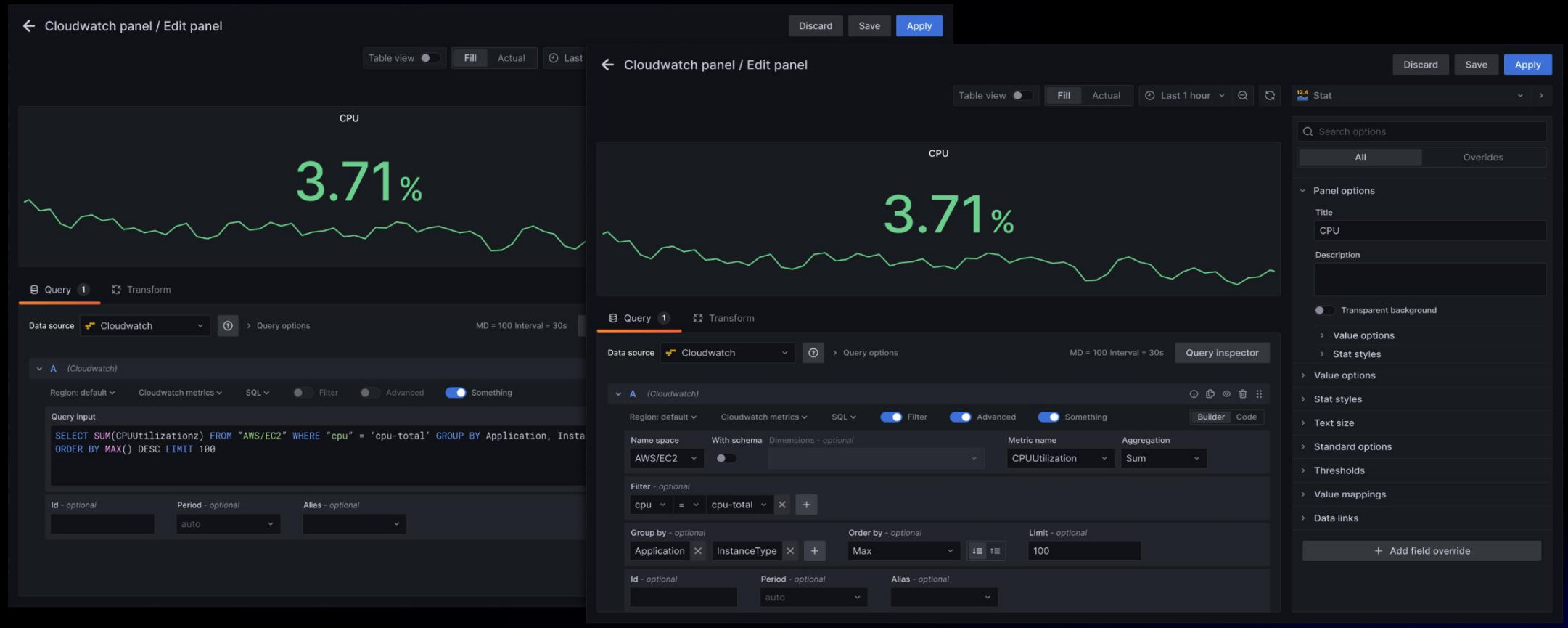
© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Create powerful visualizations

NEW RELEASE: METRICS INSIGHTS WITH AMAZON CLOUDWATCH

LAUNCH

Regardless of which dashboarding platform you use, Metrics Insights is there for flexible metric analysis



© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

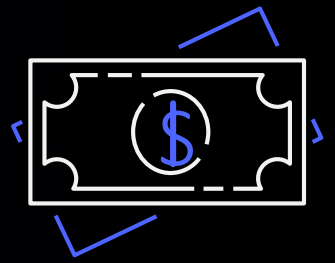
Reduce cost, time & effort in observability

NEW RELEASE: METRICS INSIGHTS WITH AMAZON CLOUDWATCH

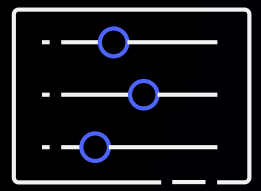
LAUNCH



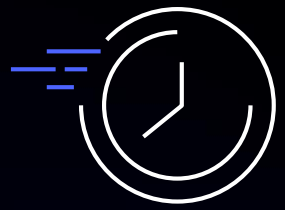
No extra setup



No additional cost on console



Easy to get started



Reduced mean time to resolution

aws

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Arc XP working with Metrics Insights

NEW RELEASE: METRICS INSIGHTS WITH AMAZON CLOUDWATCH



Zach Perry

VP of Platform Engineering

Arc XP at Washington Post

aws

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.



www.arcxp.com

A cloud-native digital experience platform built on AWS that helps enterprise companies, brands, retailers, and media organizations create and distribute content, drive digital commerce, and deliver powerful multichannel experiences

2,400+
sites across
25+ countries

1.5 billion+
monthly
unique visitors

8 billion+
page views
delivered
each month

50 million+
registered
and/or paying
commerce users

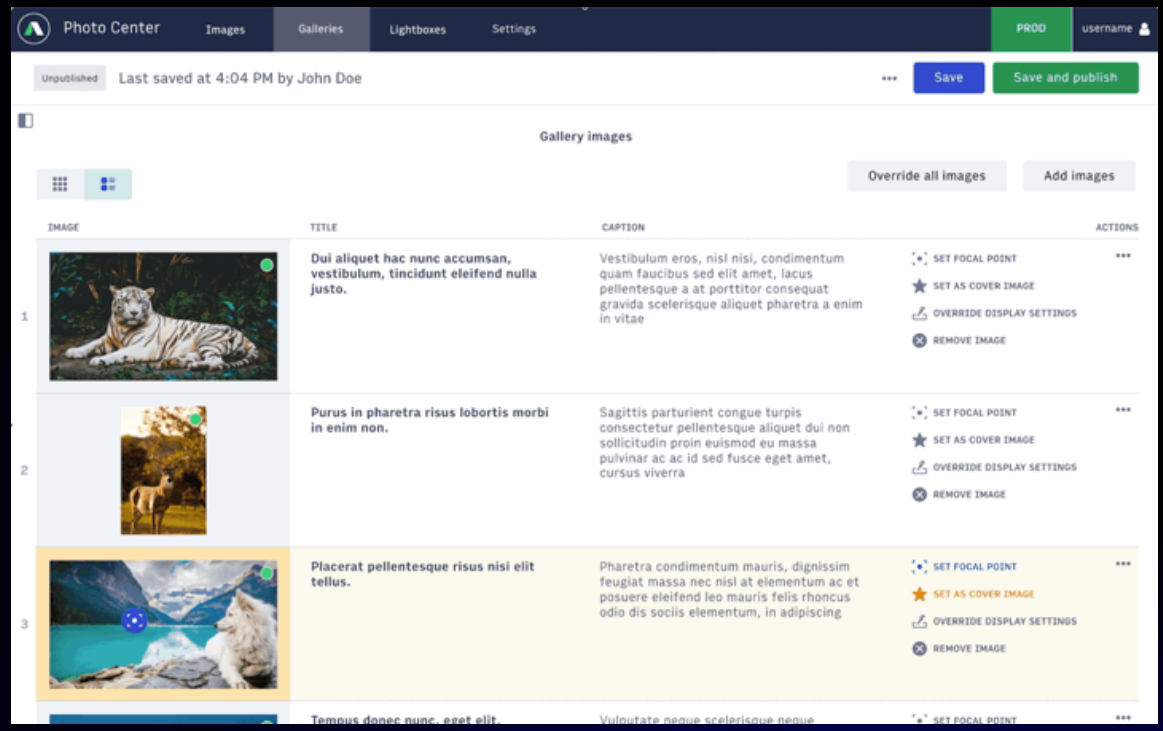
aws

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Challenges in monitoring real-time publishing

- SaaS platform that enables customers to publish tens of thousands of up-to-the-minute pieces of content each day
- Predefined alarms and dashboards do not always help to resolve ad-hoc issues in real time

arcxp



aws

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Monitor real-time publishing flexibly

- Fast analysis of CloudWatch metric data while performing ad hoc investigations
- Flexible grouping and aggregation across different type of metrics and single-tenant resources
- Use queries on dashboards to monitor similar cases and take preventive actions



aws

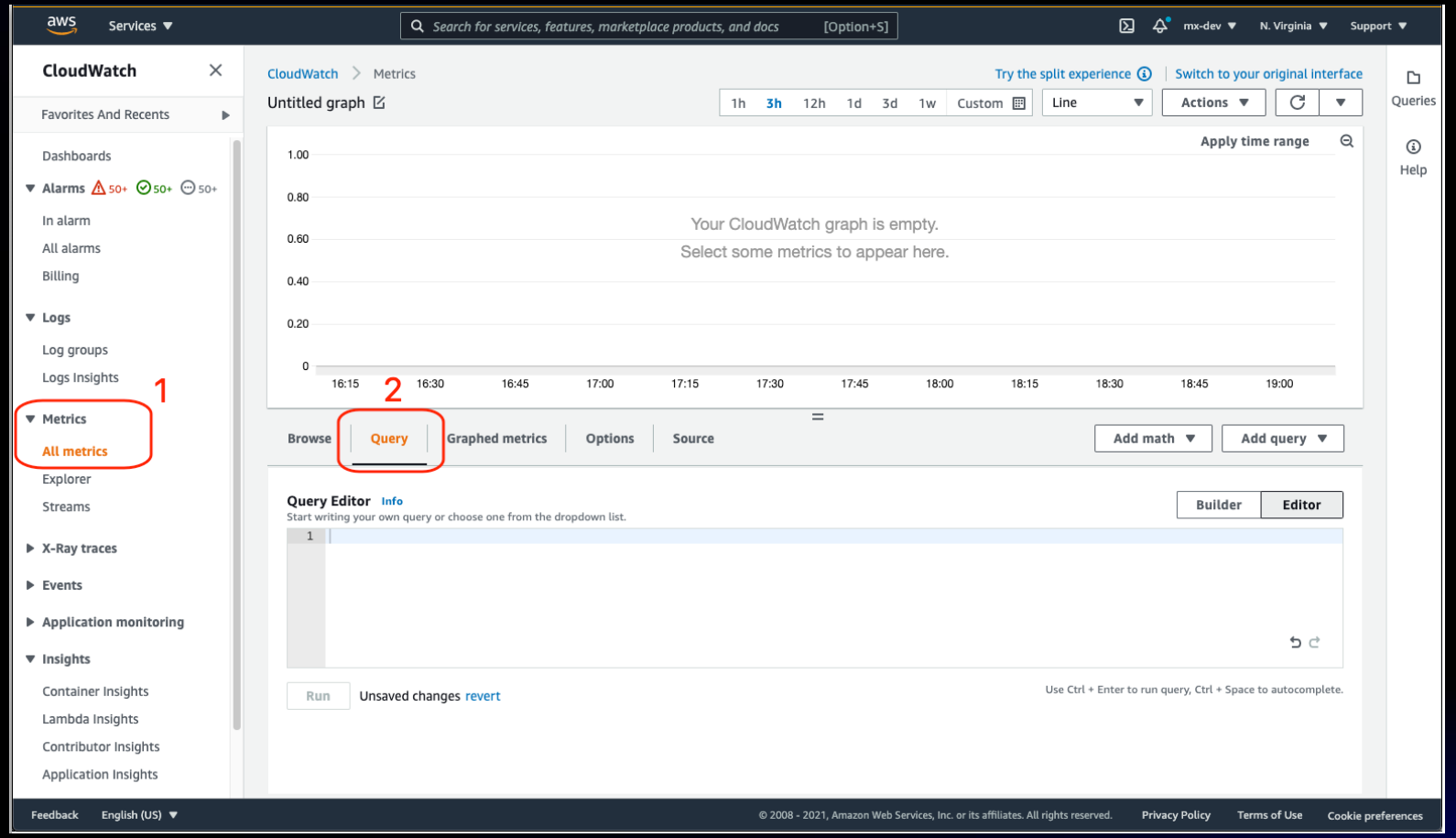
© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Get started now

NEW RELEASE: METRICS INSIGHTS WITH AMAZON CLOUDWATCH

LAUNCH

Metrics Insights is available on your CloudWatch Metrics console



© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Thank you!

Omur Kirikci
okiri@amazon.com

Zach Perry
Zach.Perry@washpost.com

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.