

The background features a vibrant, multi-colored abstract design. On the left, there are overlapping, wavy, organic shapes in shades of red, orange, and yellow. On the right, a bright white light source emits a series of sharp, radiating lines in various colors, including blue, green, and yellow, creating a sunburst or starburst effect. The overall color palette is a spectrum of rainbow colors.

cisco *Live!*

Let's go

#CiscoLive



The bridge to possible

Adopt Cisco Full-Stack Observability to Accelerate Cloud Migration

Subarno Mukherjee, Leader – Partner Sales Engineering

Arsalan Lari, Sr Sales Engineer – Partner Solution Architect

BRKAPP-2632



#CiscoLive

Cisco Webex App

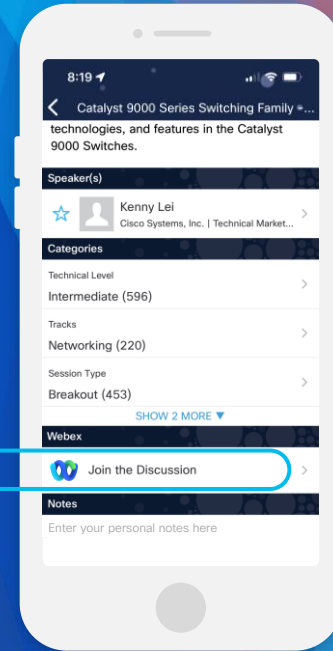
Questions?

Use Cisco Webex App to chat with the speaker after the session

How

- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until June 9, 2023.



<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKAPP-1154>

Agenda

- Application & Cloud migration growth and insights
 - How Cisco is helping accelerate your application cloud migration experience with Full-Stack Observability solutions
 - Role of cloud marketplaces for optimized customer and procurement experience
- FSO & Cloud Marketplace use cases, demos
- Call to action

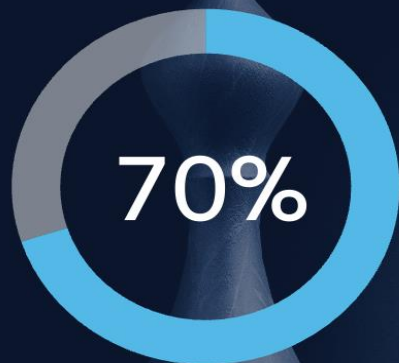
Your big rock concerns

Changing the way workflows are built, managed, run

Security (enterprise to cloud)

Data governance, integrity, visibility

Our Customers: Your cloud priorities are changing



Migrating more
workloads to cloud



Optimizing cloud
usage and costs



Advancing a
cloud-first strategy

FSO & Cloud Marketplaces Use Cases


The Cloud Migration Lifecycle





66%

But with 66% of users saying they would avoid a brand completely if their experience isn't perfect, there's little room for error.

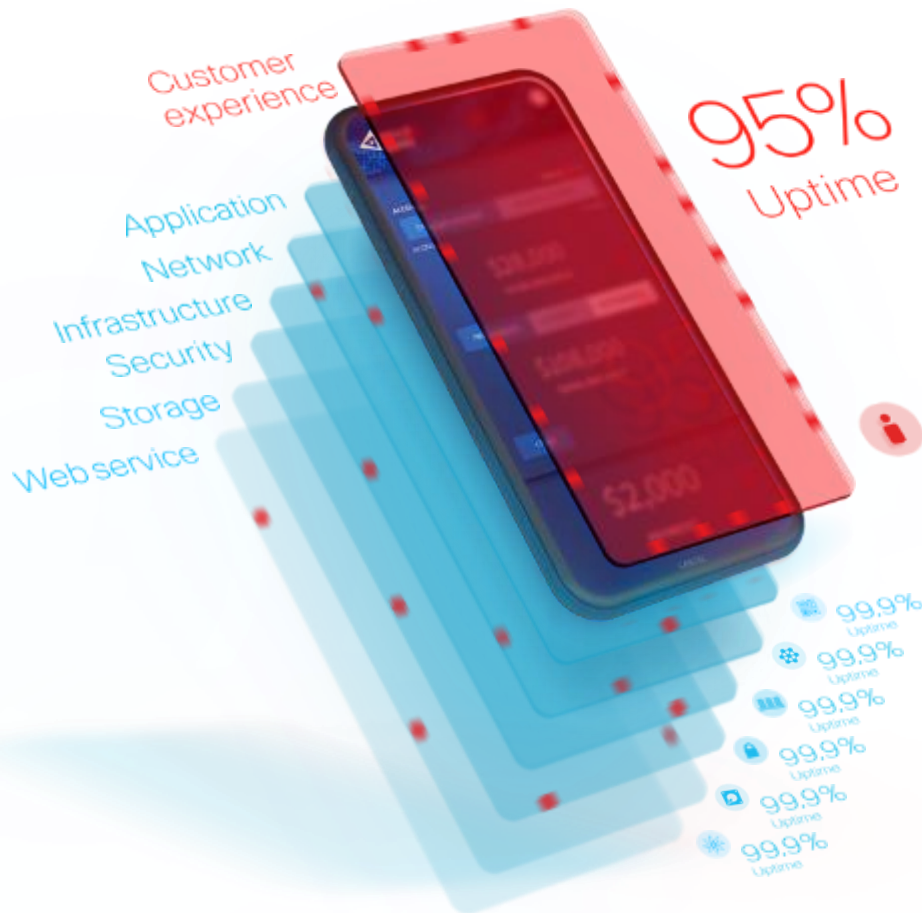


Source: AppDynamics App Attention Index 2019

CISCO *Live!*



Application experiences are
cumulative



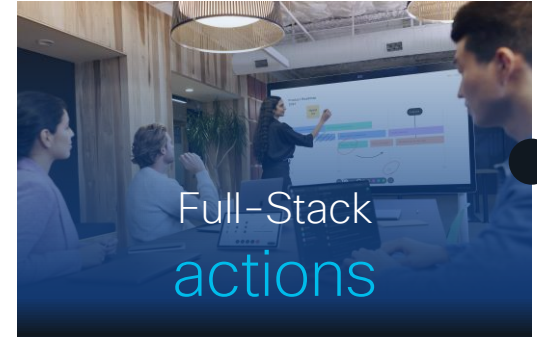
Full-Stack Observability from Cisco



Observable
and optimizable
technology stack



Application and
business insights
across stack



Prioritized remediations
and optimizations
across stack

Full-Stack Observability Bundles

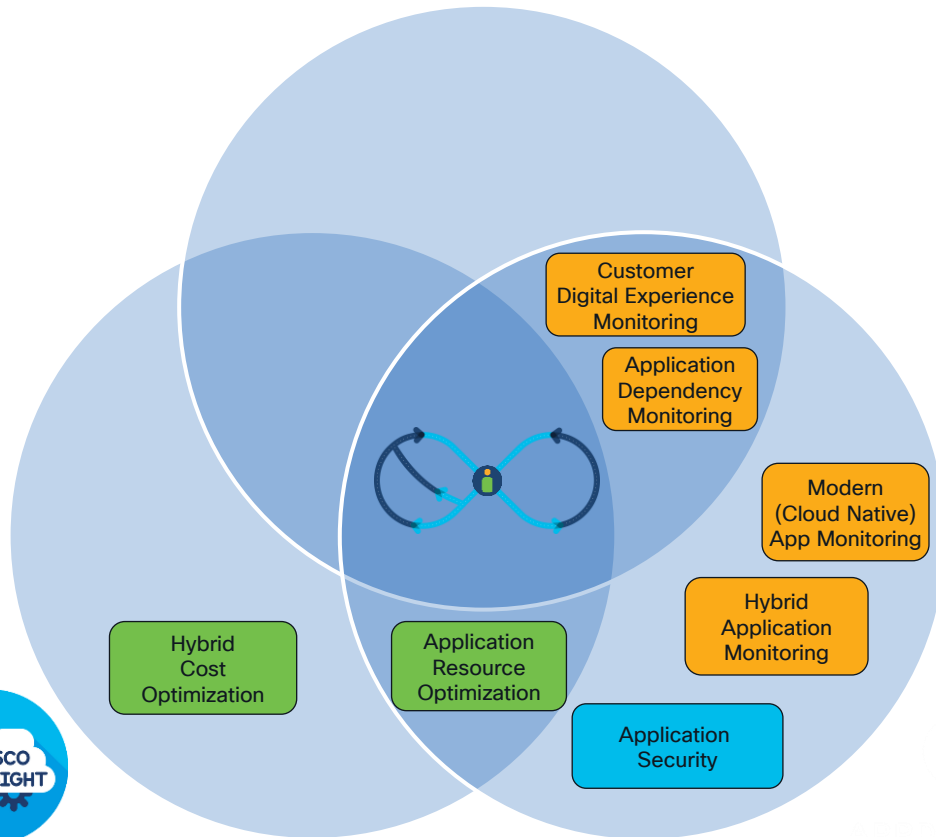
Performance

Optimization

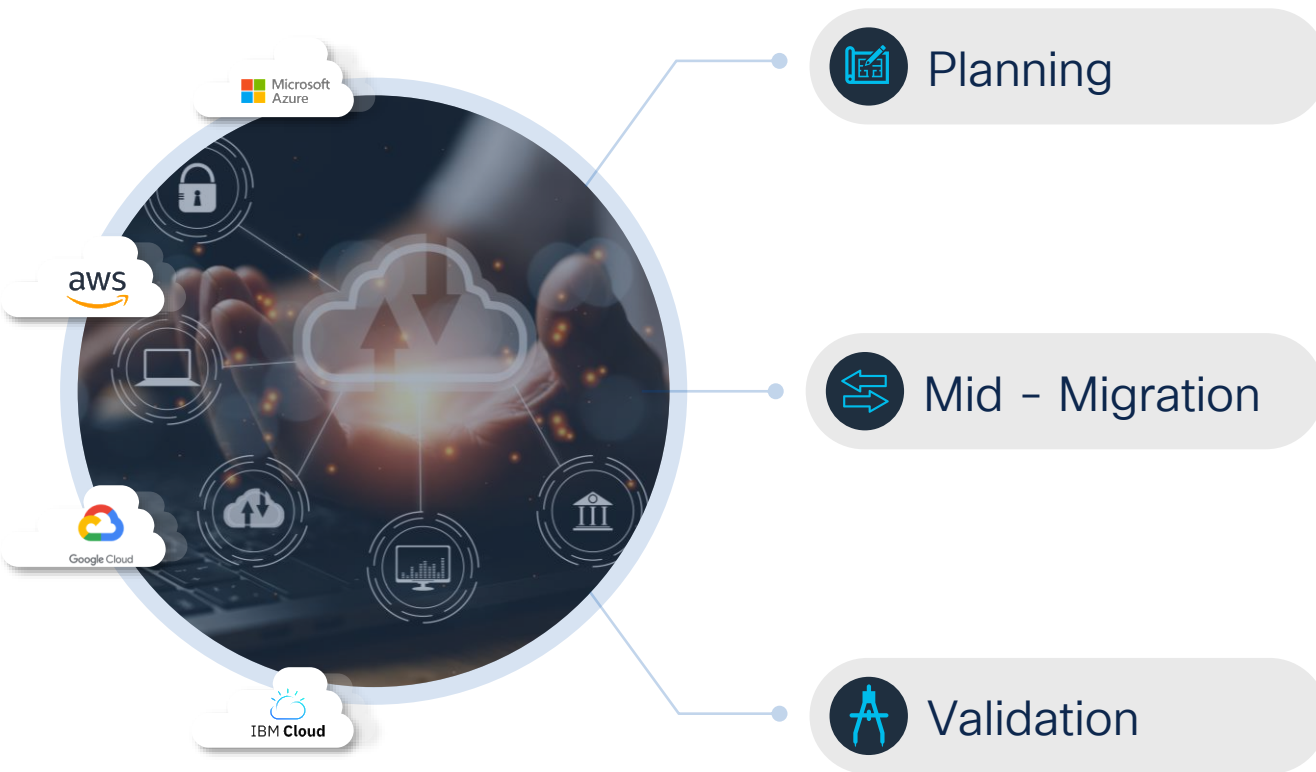
Security



ThousandEyes



The Cloud Migration Lifecycle



FSO Use-Cases – Applicable to Migration



Performance

Hybrid Application Monitoring

Modern (cloud native)
Application Monitoring

Customer Digital
Experience Monitoring

Application Dependency
Monitoring



Optimization

Hybrid Cost
Optimization

Application Resource
Optimization



Security

Application
Security

Planning – Dependency Mapping

Current State – Architecture

Application Dependency Monitoring

[illegible]

Mid Migration

Migrated Workloads

Hybrid Monitoring

APPDYNAMICS

Home Applications User Experience Databases Servers Analytics Dashboards & Reports Alert & Respond Security



TeaStore

TeaStore



NetViz - Baseline

06/09/22

3:00 PM

06/09/22

3:45 PM



TeaStore After



Application Dashboard

Business Transactions

Service Endpoints

Tiers & Nodes

Servers

Containers

Database Calls

Remote Services

Troubleshoot

More

Alert & Respond

Metric Browser

Configuration

Dashboard

Network Dashboard

Events

Top Business Transactions

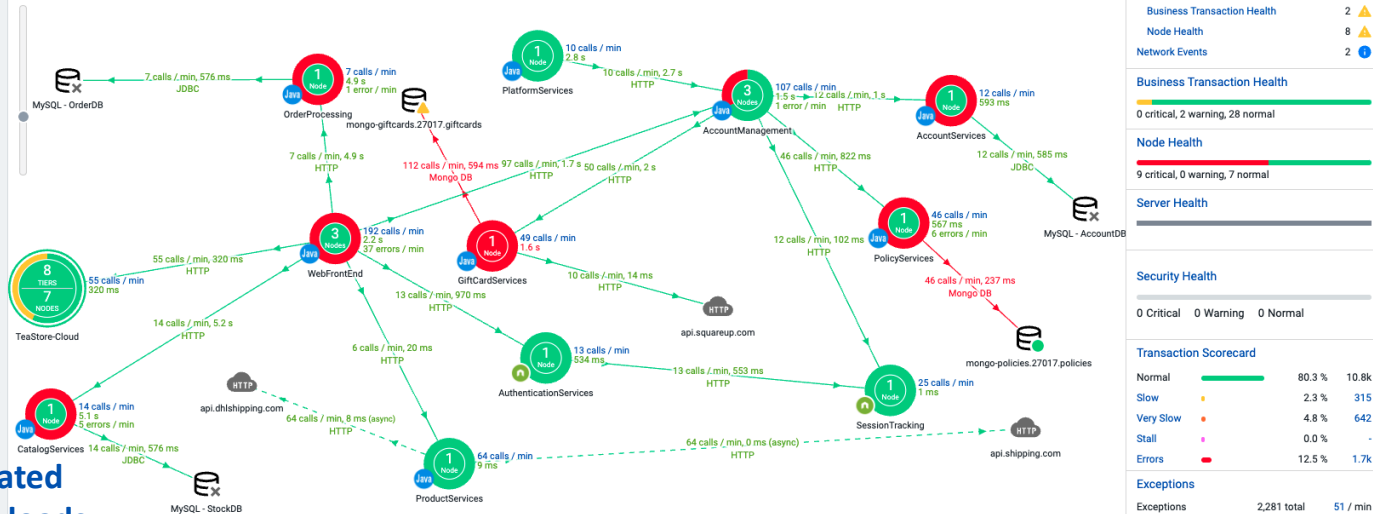
Transaction Snapshots

Transaction Score

Actions

Default Flow Map (copy)

Legend



Events

Health Rule Violations Started	34
Business Transaction Health	2
Node Health	8
Network Events	2

Business Transaction Health



Node Health



Server Health



Security Health

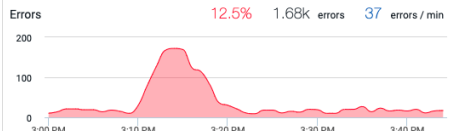
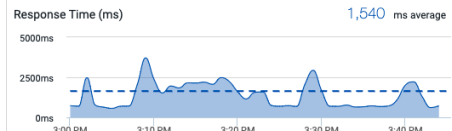
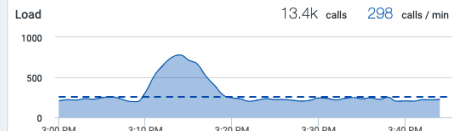


Transaction Scorecard

Normal	80.3 %	10.8k
Slow	2.3 %	315
Very Slow	4.8 %	642
Stall	0.0 %	-
Errors	12.5 %	1.7k

Exceptions

Exceptions	2,281 total	51 / min
HTTP Error Codes	- total	- / min
Error Page Redirects	- total	- / min

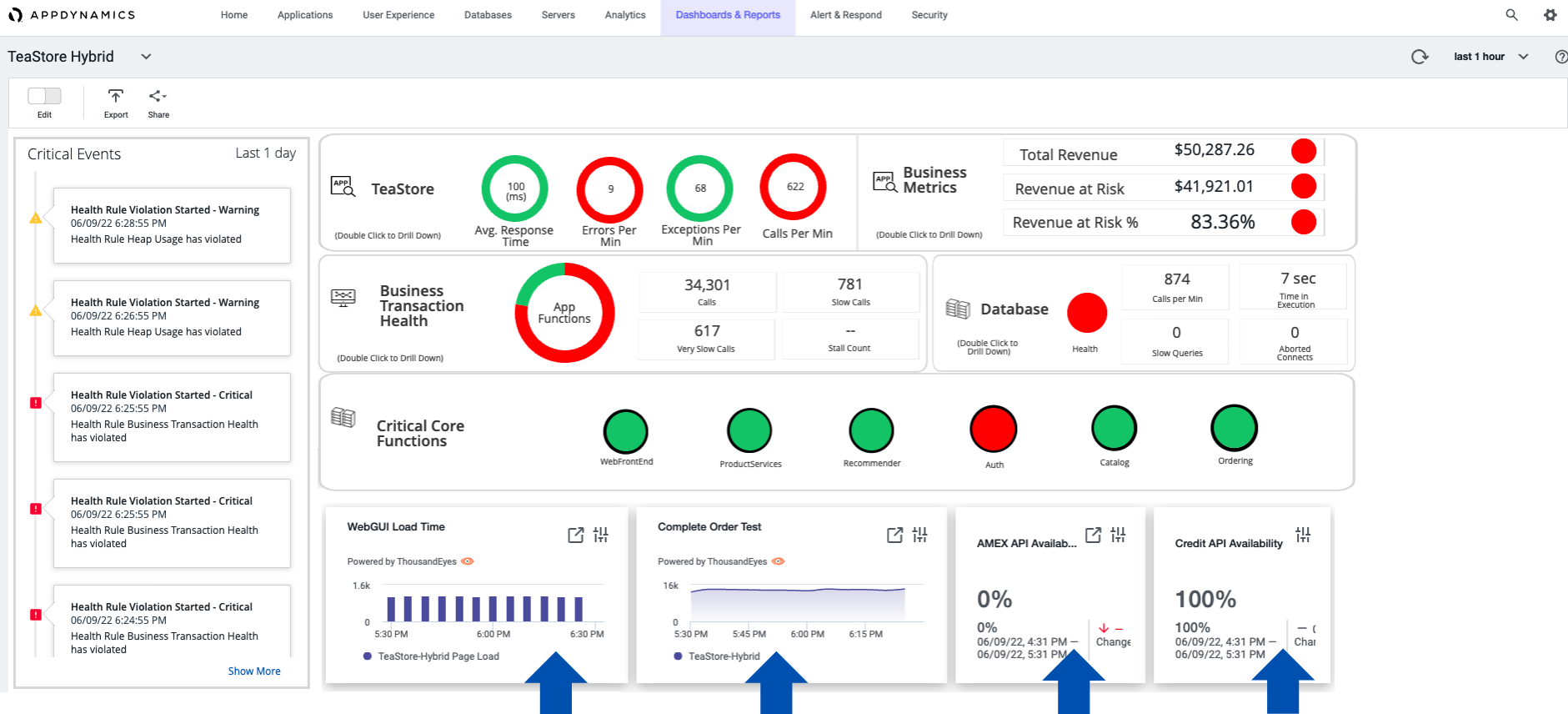


Migrated Workloads

Validation

Validation – 360 degree

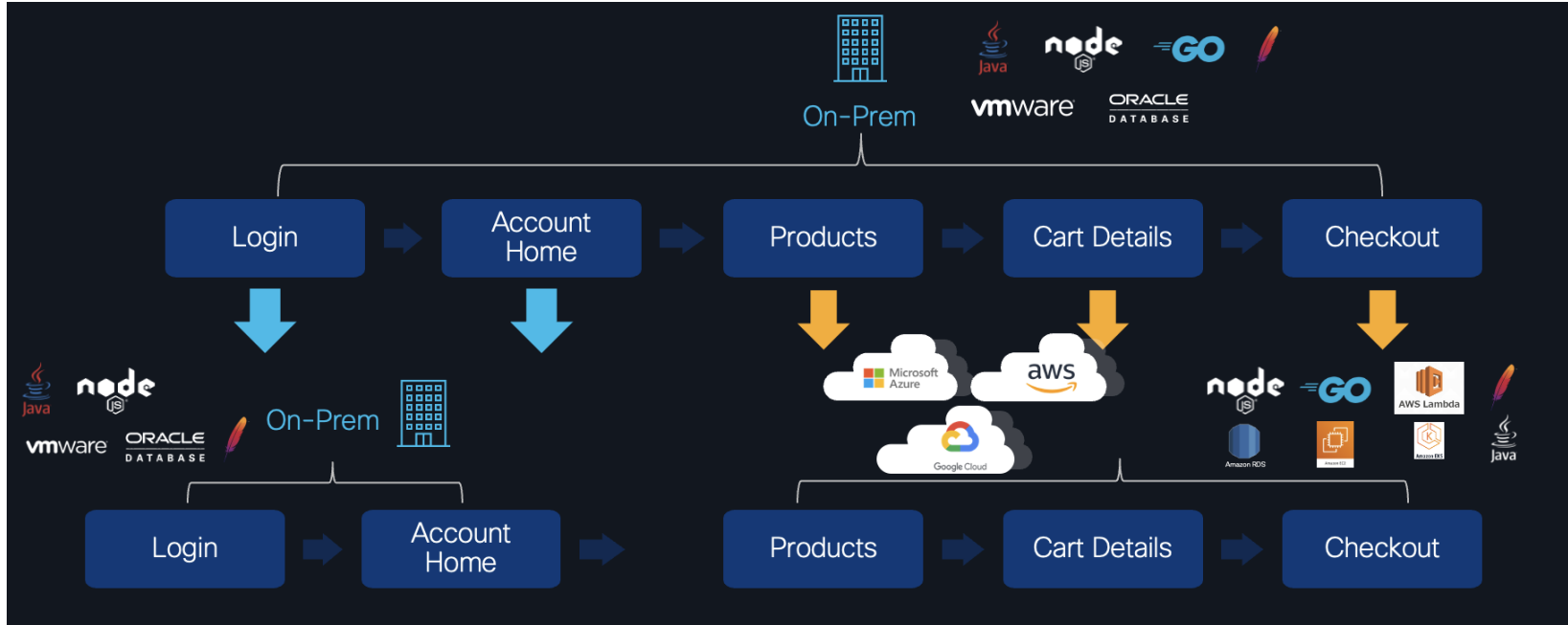
Customer Digital Experience Monitoring



Customer Experience

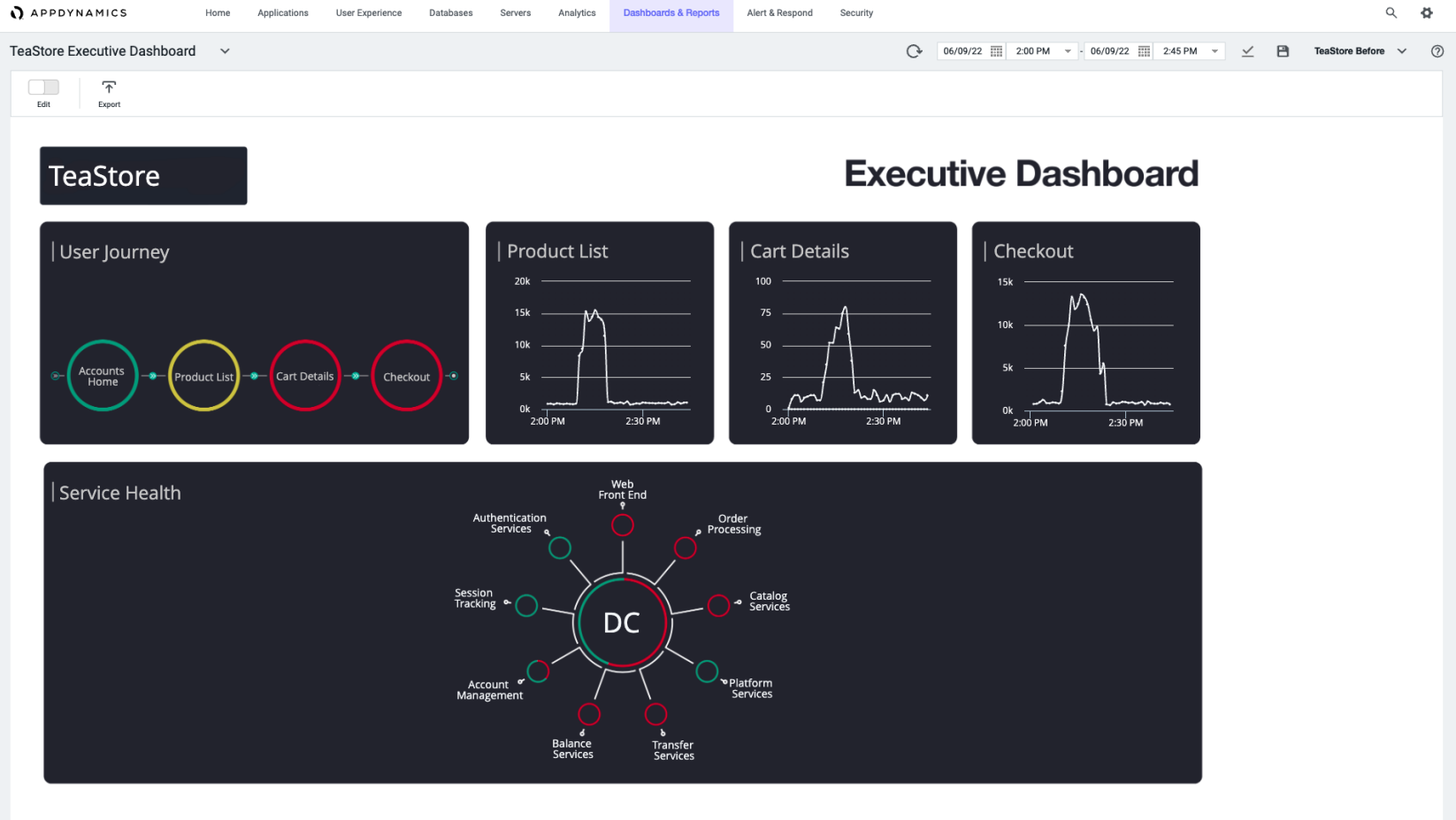
Demo

Tea Store Cloud Migration



Showtime

Current State – Business



Current State – Architecture

Application Dependency Monitoring



Migrated Workloads

Cloud Native Monitoring

APPDYNAMICS

Home Applications User Experience Databases Servers Analytics Dashboards & Reports Alert & Respond Security



TeaStore-Cloud

TeaStore-Cloud

Daily Trend - Last 30 days

06/09/22 3:00 PM

06/09/22 3:45 PM

TeaStore After



Application Dashboard

Business Transactions

Service Endpoints

Tiers & Nodes

Servers

Containers

Database Calls

Remote Services

Troubleshoot

More

Alert & Respond

Metric Browser

Configuration

Dashboard

Network Dashboard

Events

Top Business Transactions

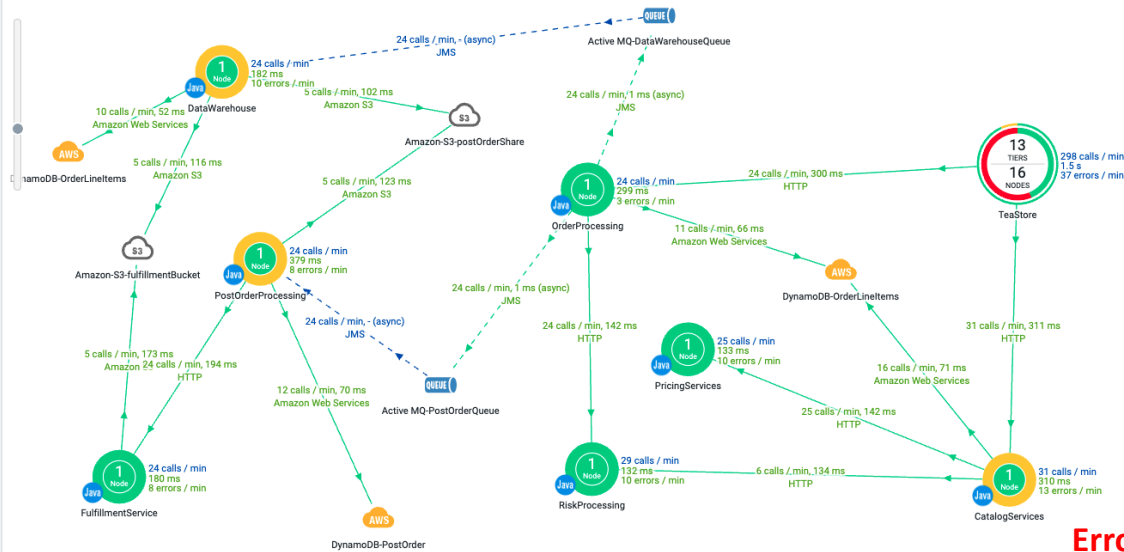
Transaction Snapshots

Transaction Score

Actions

Application Flow Map

Legend



Events

No Events in selected time range

Business Transaction Health

0 critical, 0 warning, 8 normal

Node Health

0 critical, 3 warning, 4 normal

Server Health

0 Critical, 3 warning, 4 normal

Security Health

0 Critical 0 Warning 0 Normal

Transaction Scorecard

Normal 69.8 % 1.7k

Slow 2.0 % 50

Very Slow 0.0 % -

Stall 0.0 % -

Errors 28.2 % 694

Exceptions

Exceptions 2,844 total 63 / min

HTTP Error Codes - total - / min

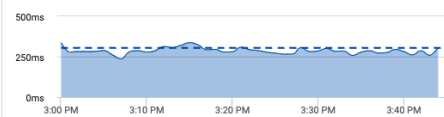
Error Page Redirects - total - / min

Errors Increased

Load 2.5k calls 55 calls / min



Response Time (ms) 305 ms average



Errors 28.2% 694 errors 15 errors / min



- TeaStore
- Application Dashboard
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TeaStore

NetViz - Baseline

06/09/222:00 PM06/09/222:45 PM

TeaStore Before

DashboardNetwork DashboardEventsTop Business TransactionsTransaction SnapshotsTransaction Score

Actions

Default Flow Map (copy)

Events

Health Rule Violations Started32

Business Transaction Health3

Node Health11

Application Changes1

Business Transaction Health

2 critical, 1 warning, 27 normal

Node Health

9 critical, 0 warning, 7 normal

Server Health

Security Health

0 Critical 0 Warning 0 Normal

Transaction Scorecard

Normal79.0 % 9.2k

Slow2.1 % 243

Very Slow7.7 % 901

Stall0.0 % -

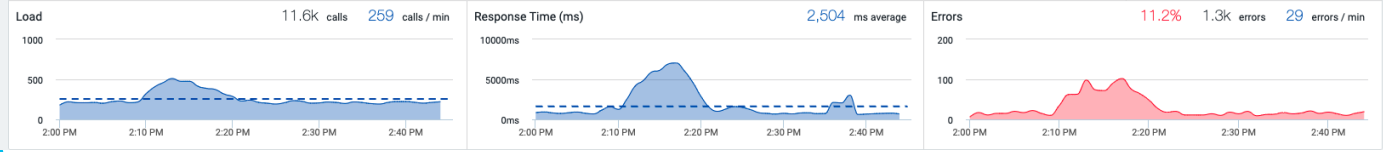
Errors11.2 % 1.3k

Exceptions

Exceptions2,174 total 48 / min

HTTP Error Codes- total - / min

Error Page Redirects- total - / min



TeaStore

Business Transactions

Refresh 06/09/22 2:00 PM 06/09/22 2:45 PM Save TeaStore Before Warning Help

Details








Filters

Actions

View Options

Configure

Showing 18 of 30

Name	Health	Response Time (ms)	Calls / min	Errors / min ↓	% Errors	% Slow Transactions	% Very Slow Transactions	% Stalled Transactions
 Cart Details		9,028	19	3	20	5	30	0
 Checkout		7,956	16	3	20	5	30	0
 Account Home		2,925	11	2	20	2	20	0
 Login		2,400	13	2	20	3	20	0
 Product List		7,696	10	2	20	4	30	0
 Product Details		1,759	1	0	20	0	3	0

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Alert & Respond

Metric Browser

Configuration

- TeaStore
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- More
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- Metric Browser
- Configuration

TeaStore

NetViz - Baseline

06/09/223:00 PM06/09/223:45 PM

TeaStore After

DashboardNetwork DashboardEventsTop Business TransactionsTransaction SnapshotsTransaction Score

Actions

Default Flow Map (copy)

Events

Health Rule Violations Started34

Business Transaction Health2

Node Health8

Network Events2

Business Transaction Health

0 critical, 2 warning, 28 normal

Node Health

9 critical, 0 warning, 7 normal

Server Health

Security Health

0 Critical 0 Warning 0 Normal

Transaction Scorecard

Normal80.3 %10.8k

Slow2.3 %315

Very Slow4.8 %642

Stall0.0 %-

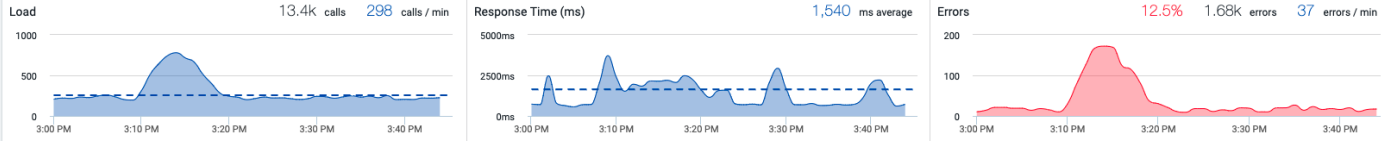
Errors12.5 %1.7k

Exceptions

Exceptions2281 total51 / min

HTTP Error Codes-total- / min

Error Page Redirects-total- / min



TeaStore-Cloud

Business Transactions

Refresh 06/09/22 3:00 PM - 06/09/22 3:45 PM TeaStore After

- Application Dashboard
- Business Transactions
- Service Endpoints
- Tiers & Nodes
- Servers
- Containers
- Database Calls
- Remote Services
- Troubleshoot
- More

Alert & Respond

Metric Browser

Configuration

Name	Hea...	Response Time (ms)	Calls / min	Errors / min ↓	% Errors	% Slow Transactions	% Very Slow Transactions	% Stalled Transactions
Cart Details (Cloud)	✓	313	25	11	40	3	0	0
Checkout (Cloud)	✓	299	24	3	10	1	0	0
Product List (Cloud)	✓	297	6	2	40	3	0	0

TeaStore Cloud Executive Dashboard

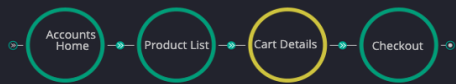
06/09/22 3:00 PM 06/09/22 3:45 PM TeaStore After

Edit Export Share

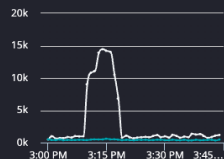
TeaStore

Executive Dashboard

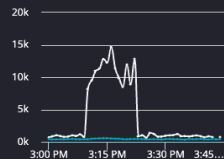
User Journey



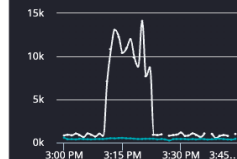
Product List



Cart Details



Checkout



Customer Case Study

Customer Case Studies

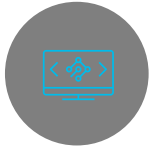
- Wyndham AWS migration:
- Nasdaq Monitoring to one Pain of glass Observability
- Alaska Airlines, Digital Guest Experience, Holistic Visibility, on Azure

Calls to Action

Calls to Action



Ask your company about their cloud commitment agreements with hyperscalers to understand how to leverage for software (FSO) procurement



Visit the FSO demos at World of Solutions



Talk to your Cisco or Partner Account Manager about cloud migration and leveraging FSO with the hyperscalers & cloud marketplaces

Fill out your session surveys!



Attendees who fill out a minimum of four session surveys and the overall event survey will get **Cisco Live-branded socks** (while supplies last)!



Attendees will also earn 100 points in the **Cisco Live Challenge** for every survey completed.



These points help you get on the leaderboard and increase your chances of winning daily and grand prizes

Continue your education



- Visit the Cisco Showcase for related demos
- Book your one-on-one Meet the Engineer meeting
- Attend the interactive education with DevNet, Capture the Flag, and Walk-in Labs
- Visit the On-Demand Library for more sessions at www.CiscoLive.com/on-demand

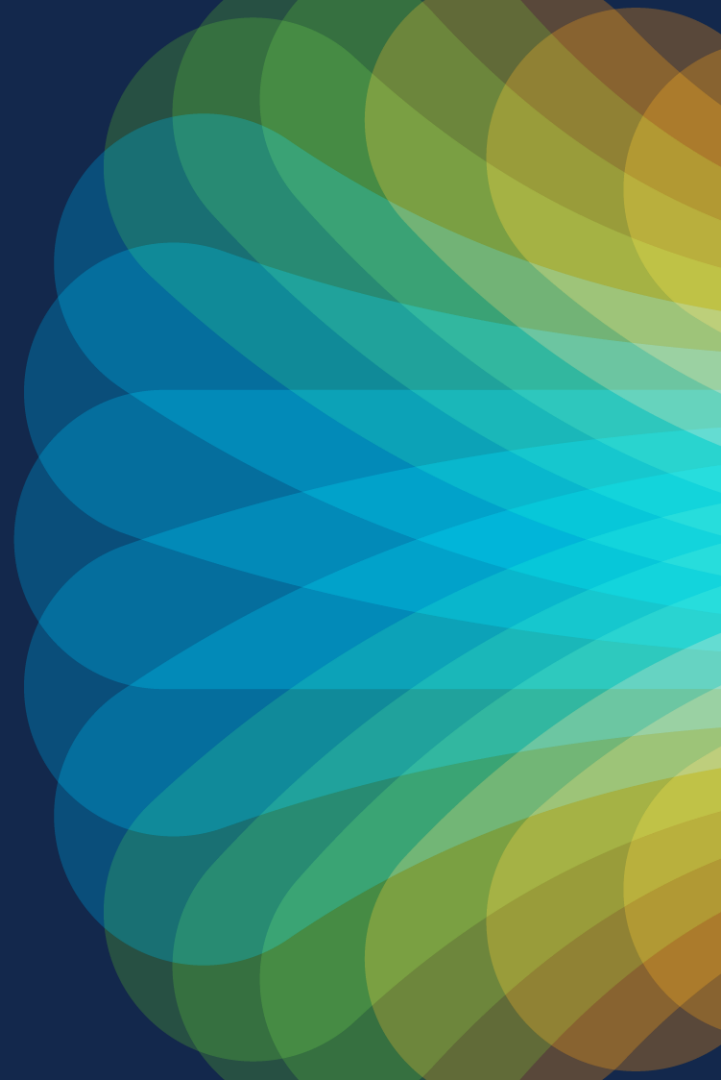


The bridge to possible

Thank you



#CiscoLive



Cisco Live Challenge

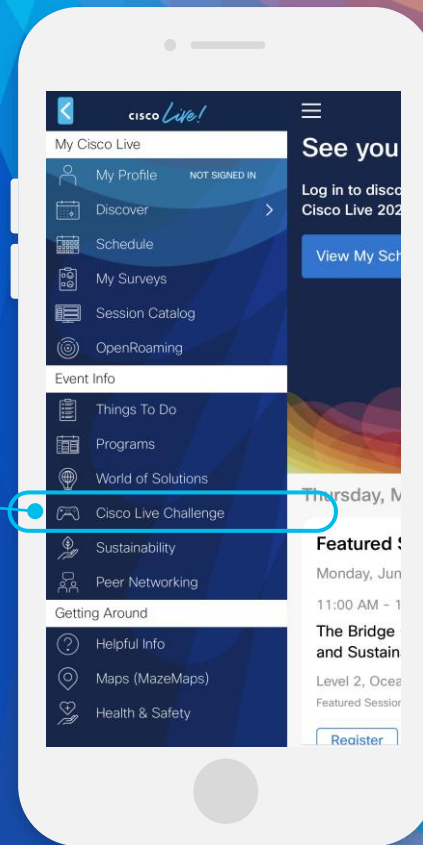
Gamify your Cisco Live experience!
Get points for attending this session!

How:

- 1 Open the Cisco Events App.
- 2 Click on 'Cisco Live Challenge' in the side menu.
- 3 Click on View Your Badges at the top.
- 4 Click the + at the bottom of the screen and scan the QR code:



CISCO *Live!*



The background is a vibrant, abstract graphic. It features a central bright white light source from which numerous colorful rays emanate, creating a sunburst or starburst effect. The rays transition through a spectrum of colors including yellow, orange, red, and various shades of blue and green. Overlaid on this are large, soft, wavy shapes in similar colors, giving the overall impression of a dynamic, energetic, and celebratory atmosphere.

cisco *Live!*

Let's go

#CiscoLive