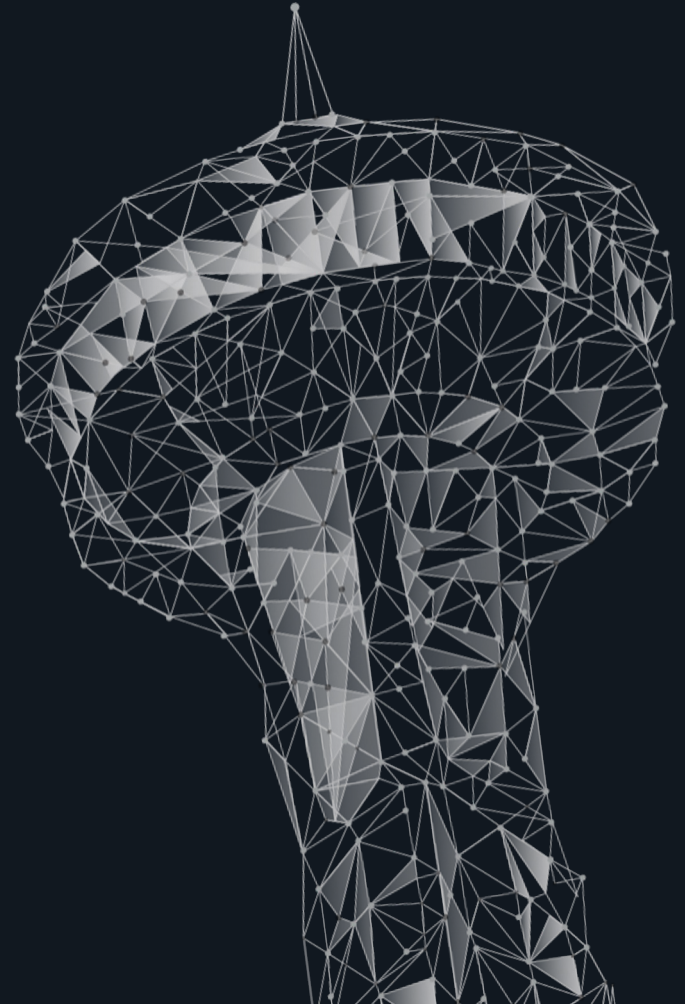




The WatchTower Platform Webcast

Matheus Milani | Product Manager
Angelika Heinrich | Product Manager
Ian Kolker | Product Manager
Michal Kramaric | Product Manager



| Today's Agenda

- Introduction to The WatchTower Platform
- Mainframe-inclusive Observability - z/IRIS
- ML Insights
- Topology

| Observability Players and Their Challenges

Mainframe

We need to use many different disconnected tools to determine what the problem is, which slows down Root Cause Analysis and increases the learning curve.



JAMES
Head of Mainframe



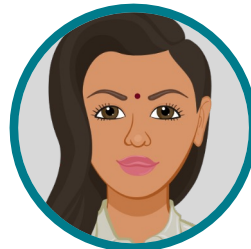
SHERMAN
Subject Matter Expert



ASHTON
System Operator

Enterprise

*As we monitor the health of business applications, **the mainframe is a black box**. Considering how critical the mainframe is, that is a problem!*

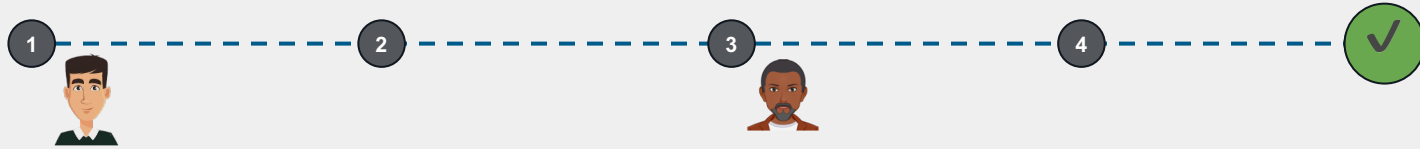


PRYA
Business Line Manager

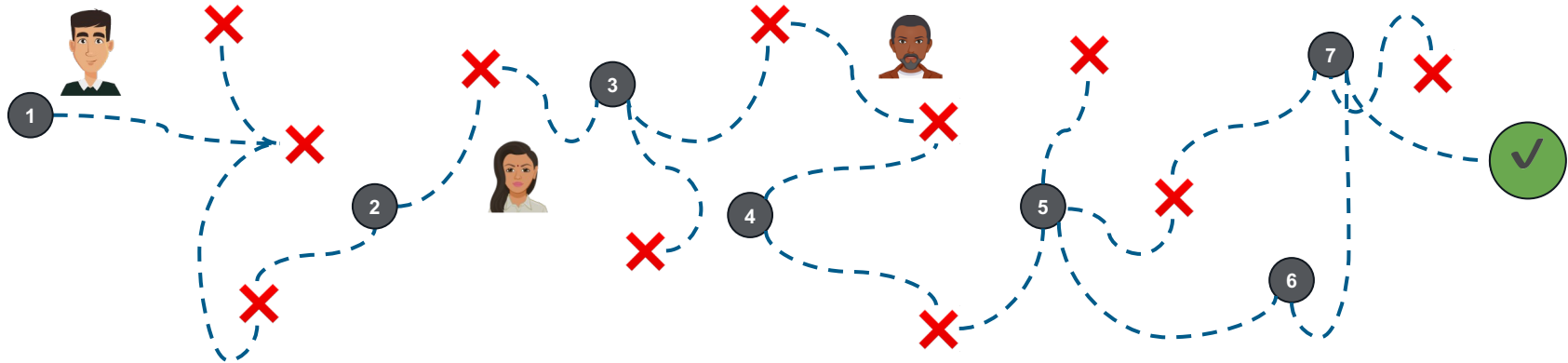


KELLY
AppDev / SRE

How We'd **Like** Problems to Be Resolved



How They're **Typically** Resolved



Introducing the WatchTower Platform

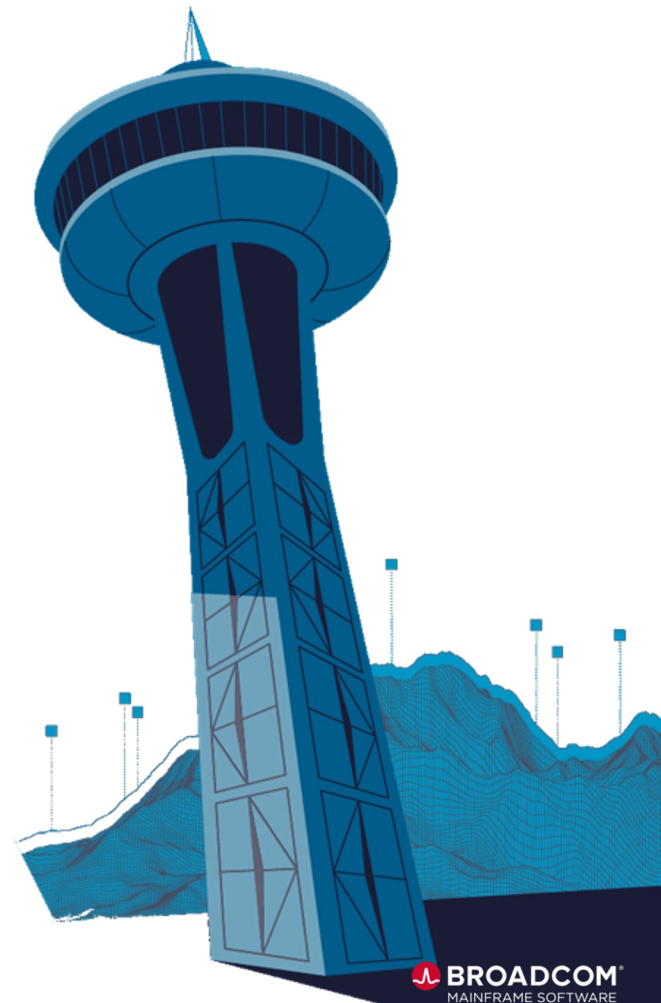
WatchTower is a mainframe **observability platform** that offers a unified and user-friendly experience catering to various skill levels



Introducing the WatchTower Platform

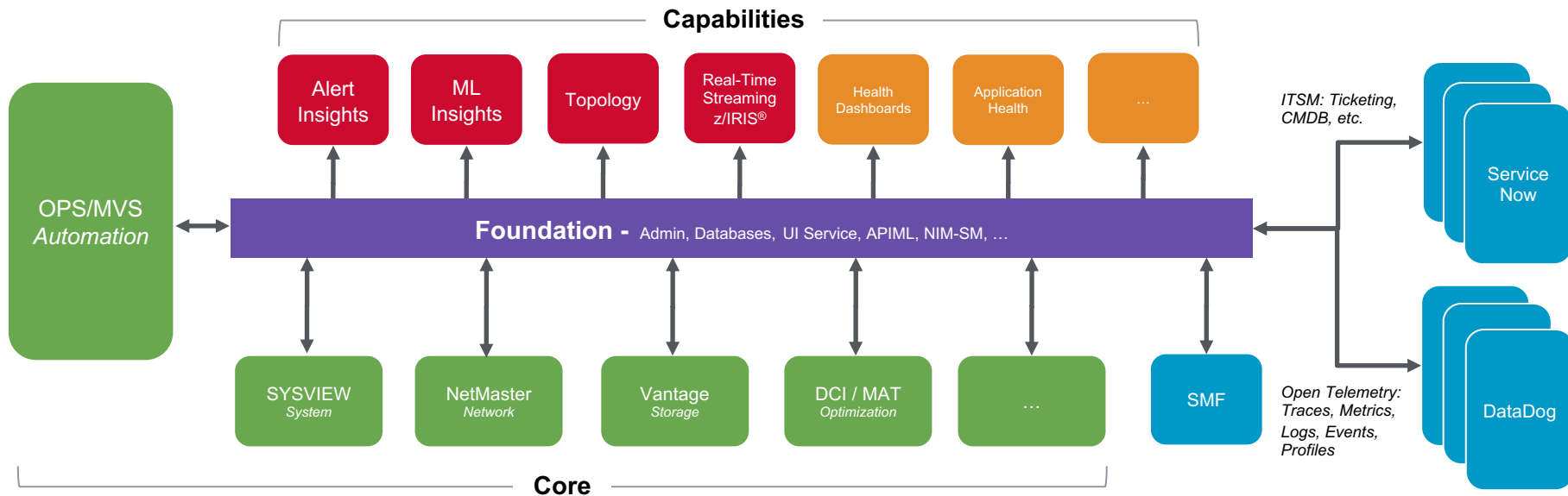
- Integrated context and insights
- Efficient, streamlined workflows
- Customized to the needs of various roles
- Improved visibility to enterprise tools

Enabling operations teams to shift from reactive recovery to proactive avoidance

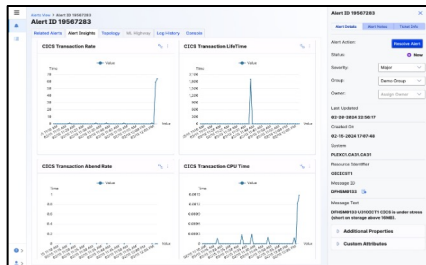


Broadcom's WatchTower Platform

- Available Capability
- Future Capability
- Foundation
- Core
- 3rd Party

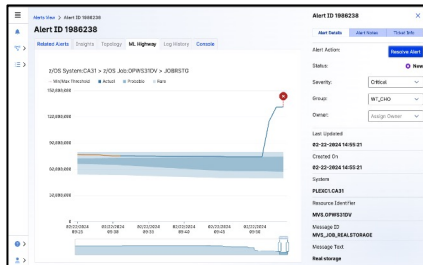


Value Delivered



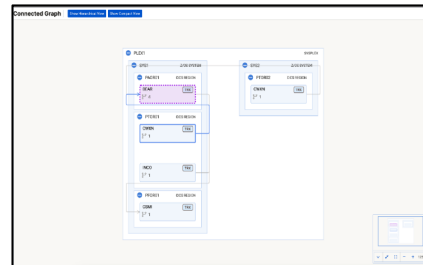
Alert Insights

Reduce MTTR and the effort required to gather context around a particular issue



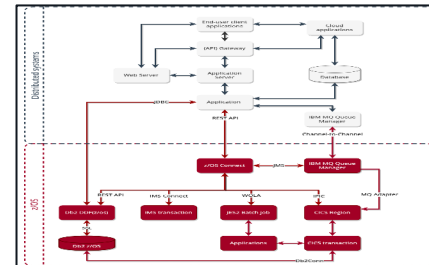
ML Insights

Anticipate issues before they become Sev1s by comparing to typical baselines



Infrastructure Topology

Utilize a map of your resources to navigate the path in which a problem is occurring



Real-Time Streaming

Augment enterprise monitoring with OpenTelemetry application tracing from Mainframe

WatchTower Platform Entitlement

Available NOW!

Customers with one or more of the following solutions can download today!

- **SYSDVIEW Performance Intelligence**
- **NetMaster Network Intelligence**
- **OPS/MVS Automation Intelligence**
- **Vantage Storage Intelligence**



Recommended Training



WatchTower Platform™: Overview
of the Mainframe Installation
Requirements and Process 200



WatchTower Platform™ z/IRIS:
Configure the z/IRIS Client 200



WatchTower Platform™
Topology: Install,
Configure, and Run 200



WatchTower Platform™:
Installation Overview – Roles
and Responsibilities 200



WatchTower Platform™:
Install the Distributed
Components
(Kubernetes)



WatchTower Platform™
z/IRIS: Install and Configure
an IronTap Docker Container
200



WatchTower Platform™:
An Introduction 100



WatchTower Platform™
z/IRIS: Overview 100



WatchTower Platform™:
Diagnose and Resolve an
Alert 200



Systems
Programmer



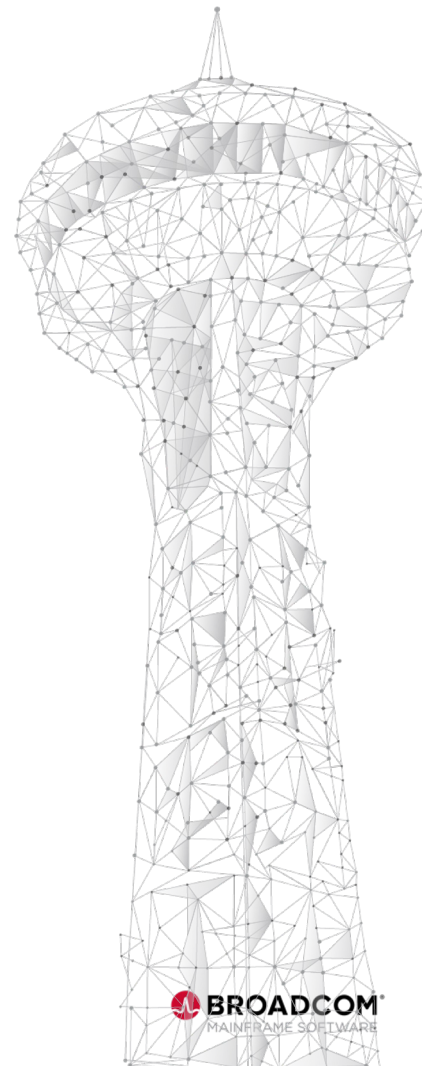
- Level One Operator
- Level Two Systems Programmer
- APPDEV/SRE
- Business Line Manager



Cloud Engineer



Docker Platform
Administrator



| Partner with us

Join WatchTower Platform Community

WatchTower Platform announcements, roadmap/webcast, technical threads, forums, community members collaboration

<https://community.broadcom.com/communities/communityhomeblogs?CommunityKey=f65e0957-5466-40ac-b480-018c6975a8da>

Join WatchTower Validation Site

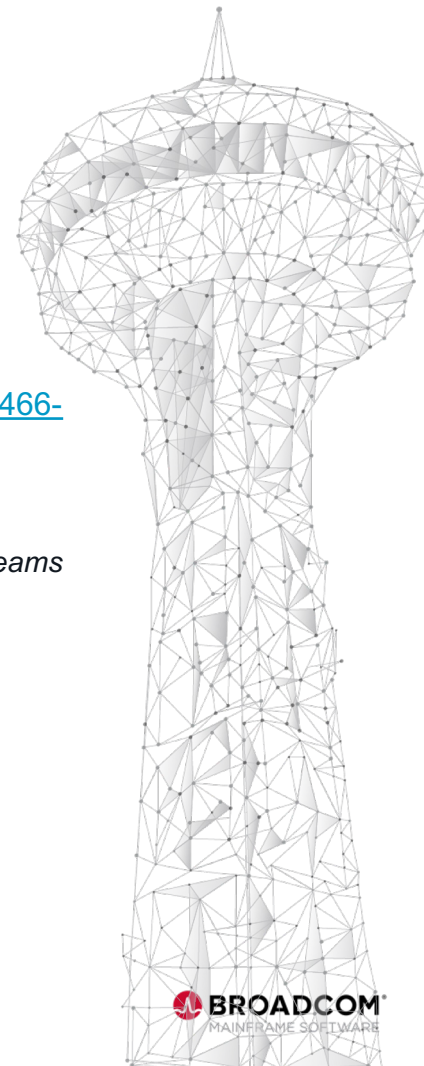
Get invited to quarterly customer reviews, opportunity to hear from product management, engineering, UX teams about strategic direction, new features development, influence on roadmap

<https://validate.broadcom.com/watchtower>

Submit Ideas for WatchTower Capabilities

New ideas submission, community voting, collaboration with product management teams

<https://community.broadcom.com/ideation/allideas>



Mainframe-inclusive Observability

z/IRIS



Real-Time Streaming

Enterprise-Wide Insights of Mainframe Application Impact on End-User Experience

WATCHTOWER
PLATFORM™
z/IRIS®

Key Benefits



Monitor mainframe applications anywhere



Everyone understands mainframe application health



Data driven monitoring and operations



Fully customizable for all requirements

Key Outcomes

High operational performance secures more customers and business growth through increased availability and optimal performance of the digital enterprise.



Increased Site Reliability

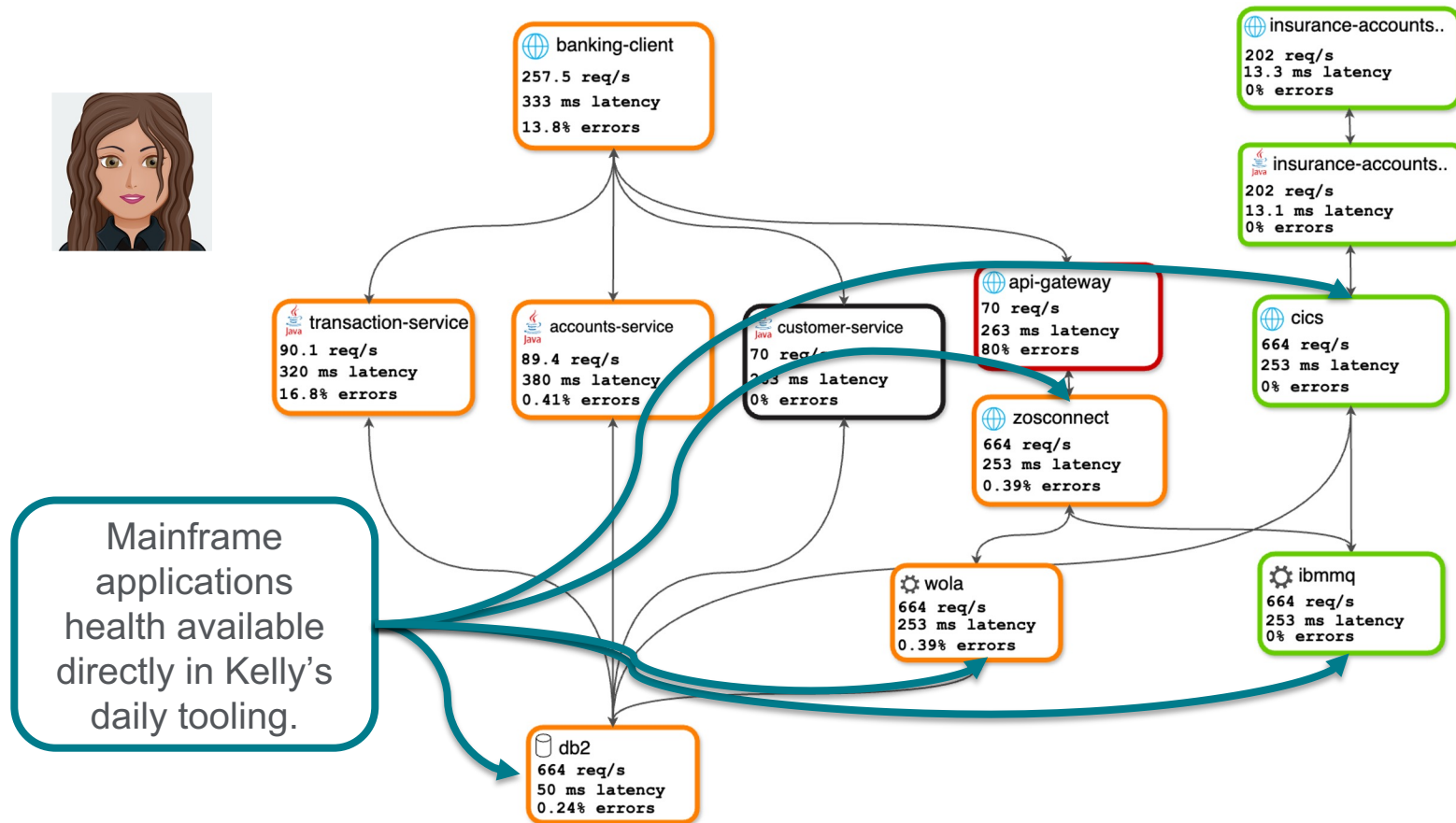


Boost End-User Experience



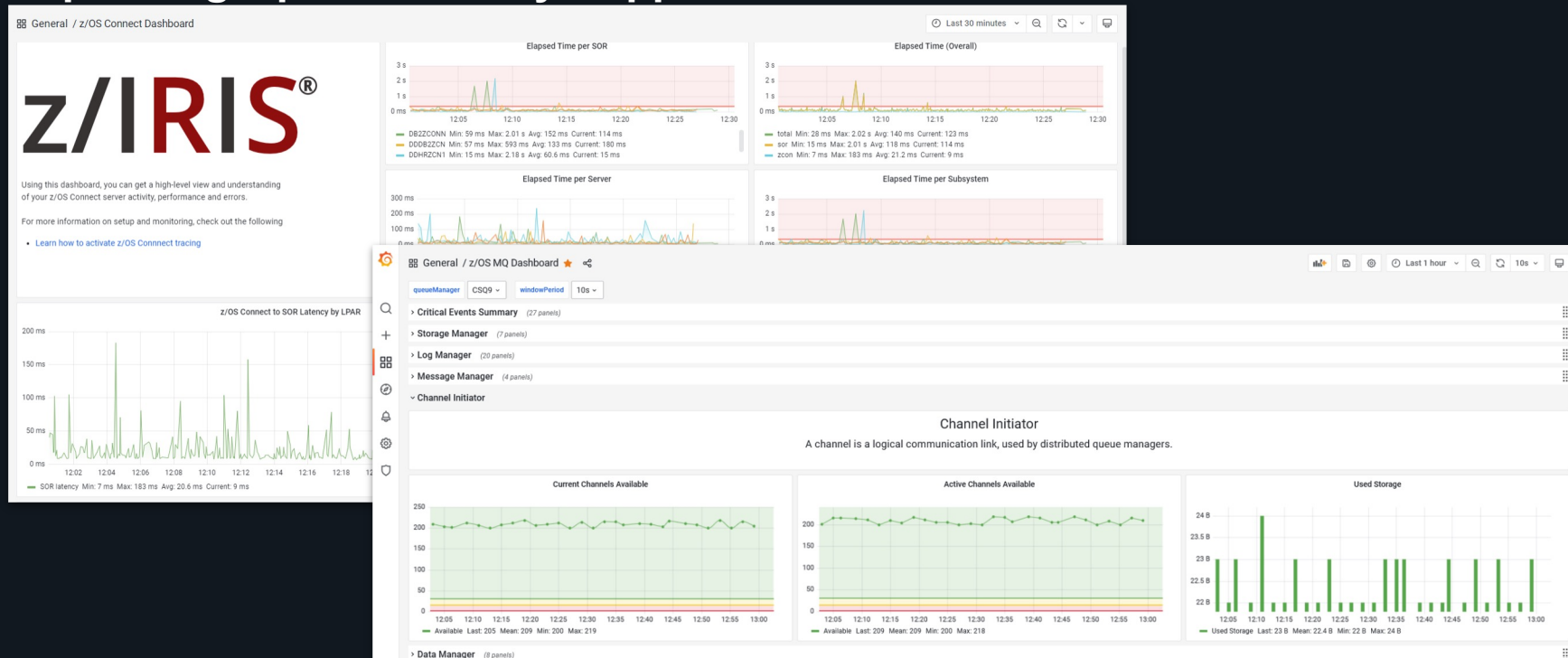
Enhanced Operational Performance

OpenTelemetry traces with z/IRIS 1.0

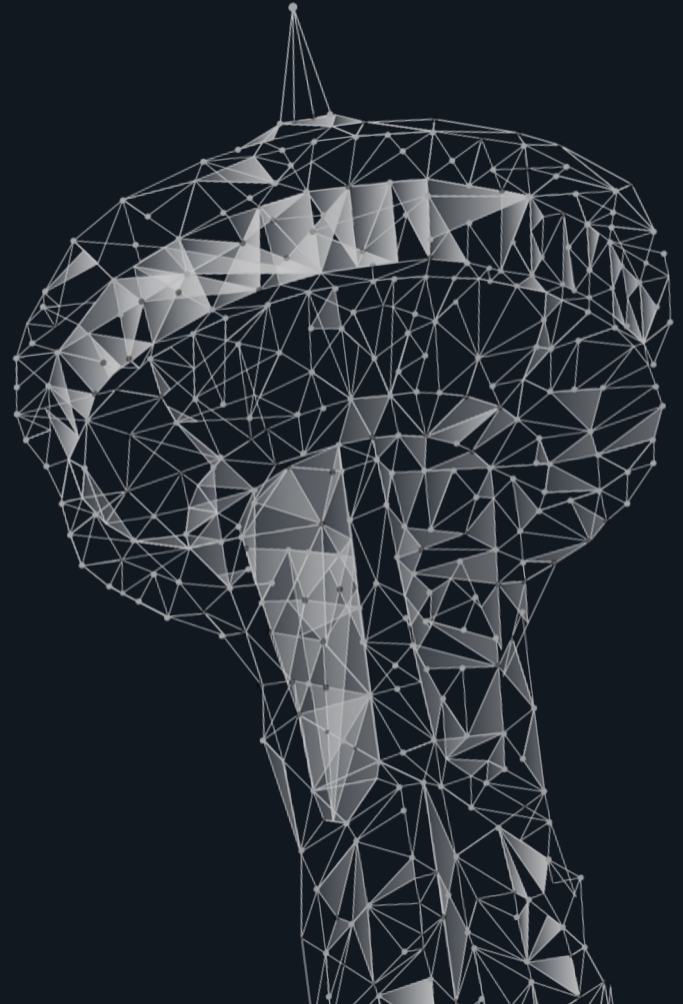


Future Capabilities

Expanding OpenTelemetry Support with Metrics



ML Insights



Business Value with ML

Prevent Outages

Detect non-normal behavior that matters and requires attention

Faster Root-Cause Analysis

Collaborate to determine challenge area(s) and act on resolutions

Performance Tuning

Refine system & alerting by better knowing what is normal behavior



Faster Root-Cause Analysis

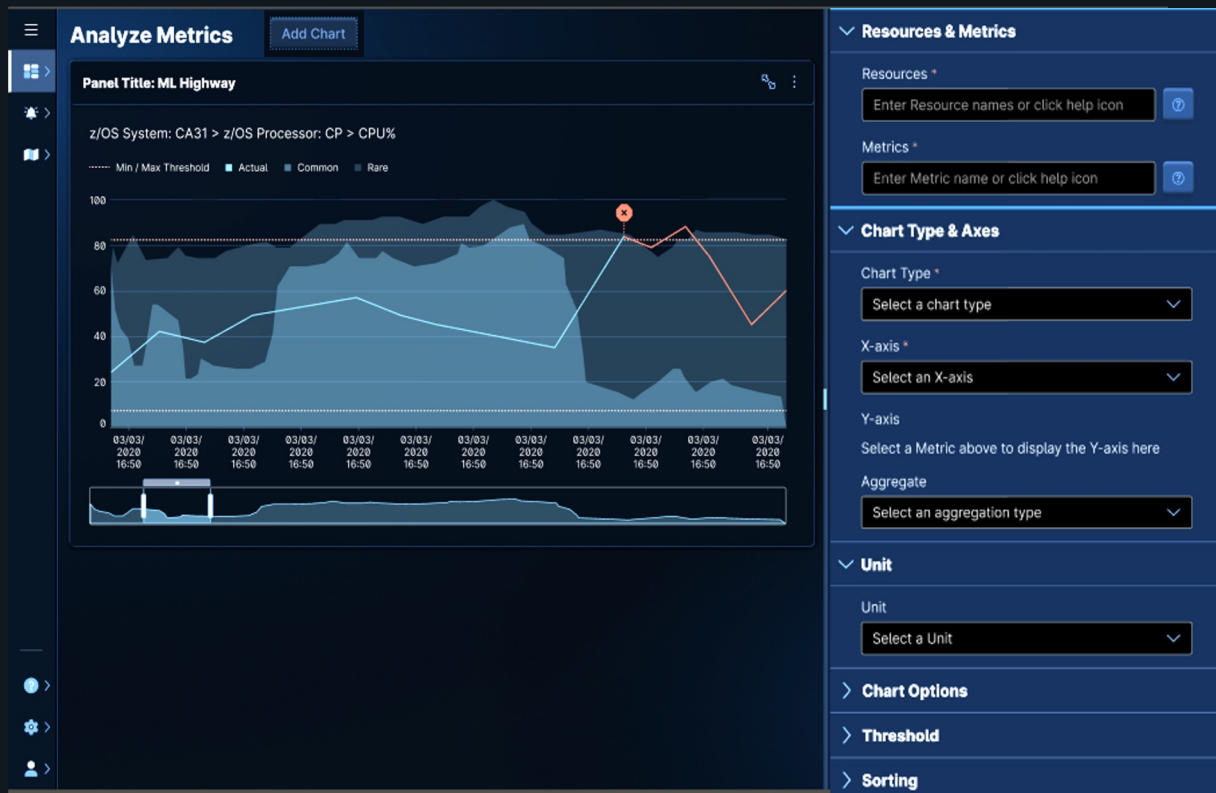
Quickly Access
Weeks of Metric
Data

Search by
Resources &/Or
Metrics

Review Time-Series
& ML Highways

Pre-filtered from
Alerts or Topology

Save as Dashboards



Environment Optimized ML Monitoring

Create ML Monitors for KPIs

Expert Recommendations Out of Box

Reduce ML Alert Noise by Focusing on Important Resources

Easily Refine Conditions

Send Alerts for Review or Automation

Monitoring Rule Builder

Metric Selection

Metric is **TRANRATE** ×

Metric Browser

Resource Selection

Pick List

Rule Query

SYSPLEX is **Alpha** ×

z/OS is **LPAR01 +2** ×

CICS Region is **CICSR01 +42** ×

CICS Region **Include** ×

Alert Conditions

☒ Severity 1 ☒ Severity 2 ☐ Severity 3

Alert Above

Alert Below

Send Alerts to

☒ Alert Insights ☒ OPS/MVS ☐ WTO

Monitoring Rule Name

Rule ID

Rule Description

Add


Created by Adam Smith, 29 December 2023. Triggered 5 times in the last 30 days.

Cancel

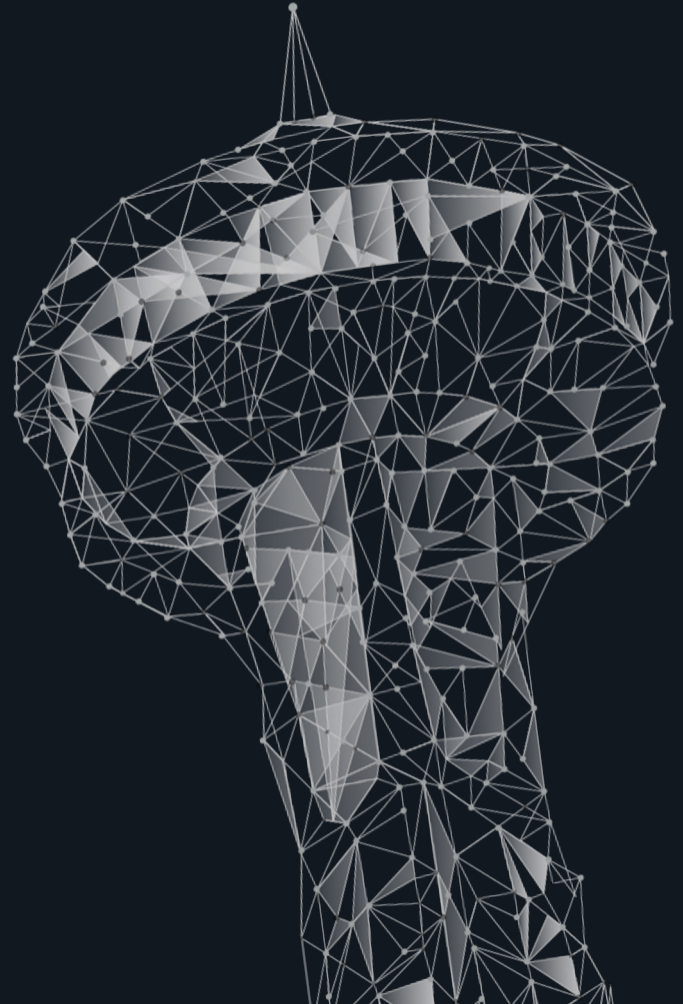
Save Changes

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 **BROADCOM**
MAINFRAME SOFTWARE

Topology



| Mainframe Topology



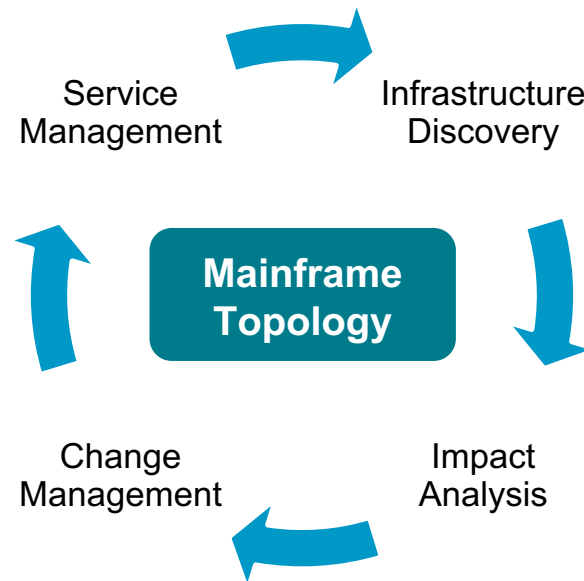
L1 Operator



L2 SME

Customer Challenges

- Topology Diagrams are out of date
- Steep learning curve for new employees
- Analyzing impact of changes
- Coverage of MF CIs in ITSM & CMDB

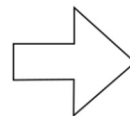
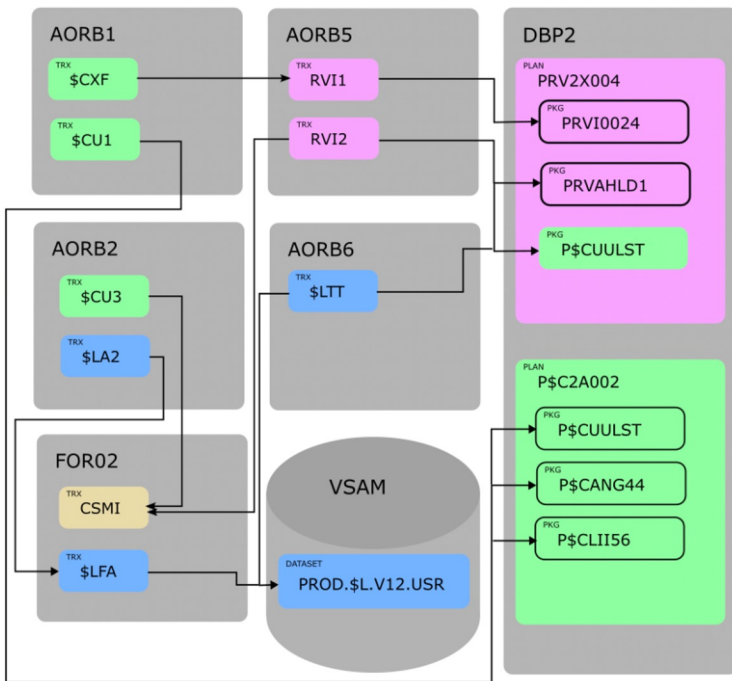


| Business Applications



Application Mnemonics

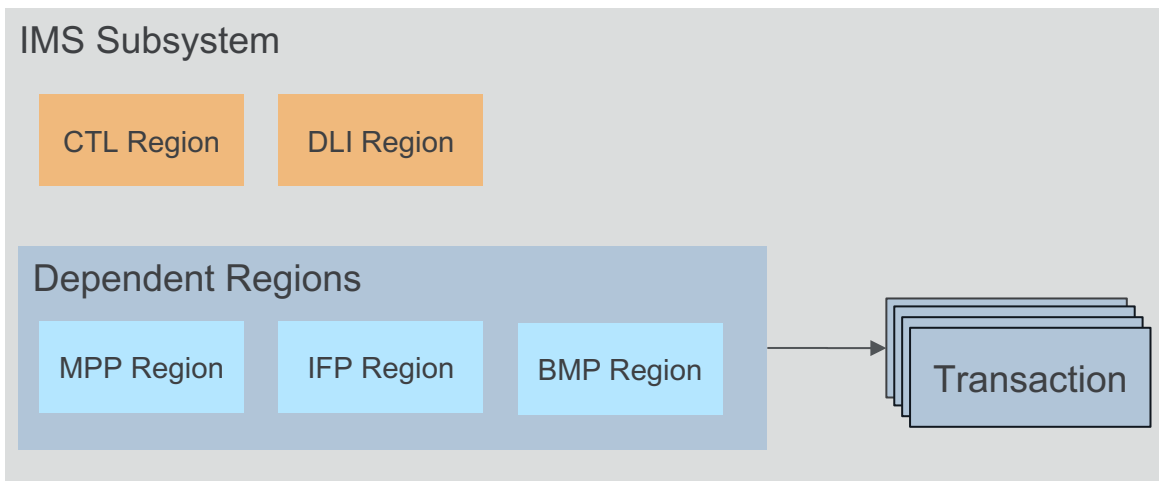
- \$C - Credit Card
- \$L - Claims
- RV - Reports
- Shared Infra



Producer Consumer View



IMS Topology



Future Research

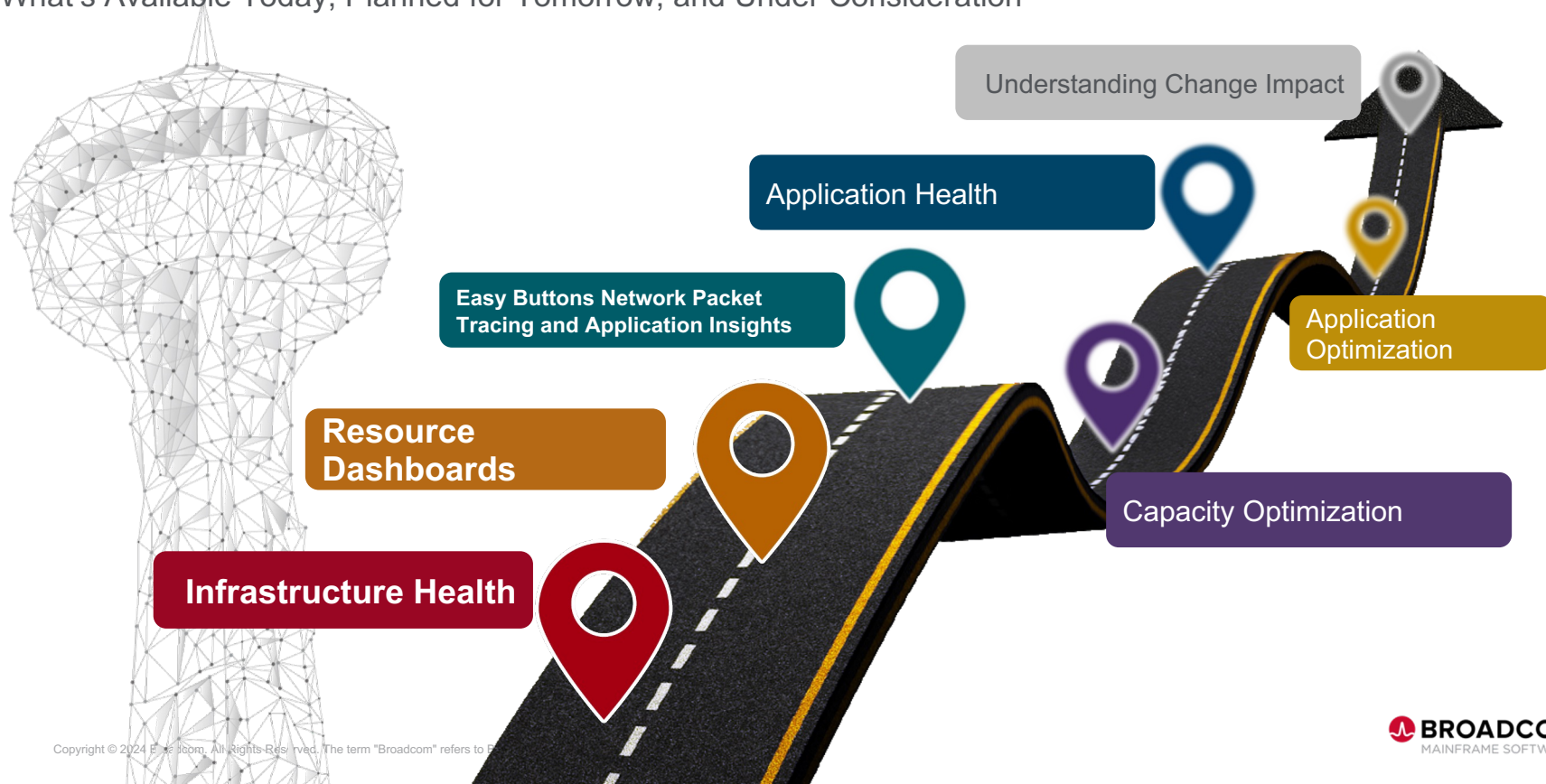
MQ & DB2 - Ext. Sub.
Attach

IMS Connect & ODBM

CICS ISC, IMS MSC, MQ-
IMS Bridge

WatchTower Roadmap

What's Available Today, Planned for Tomorrow, and Under Consideration



Thank you

Visit WatchTower Platform page
<https://mainframe.broadcom.com/watchtower>

