IBM Instana on z/OS for the IBM Community



Aaron Tobin

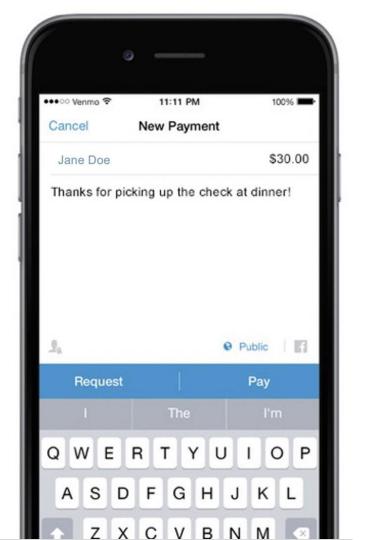
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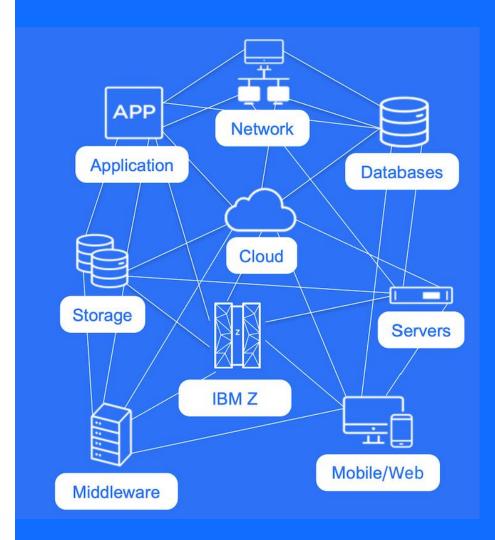
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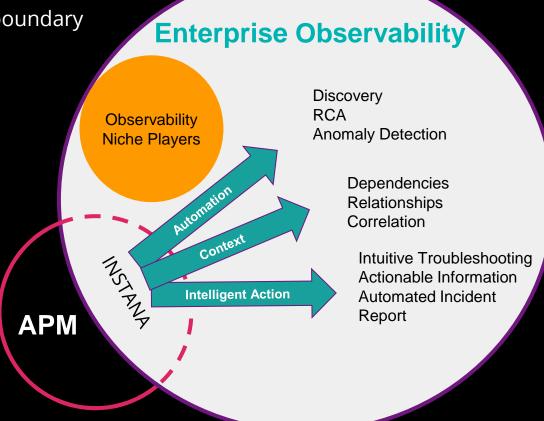




Instana has long been at the forefront of APM.

Instana is now breaking out of the boundary of APM and leading the way into Enterprise Observability.

Automation Context Intelligent Action



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Better, Stronger, Smarter Together: IBM + Instana





Mainframe and Legacy Application and Infrastructure

Contribute mainframe and legacy infrastructure, applications, and middleware visibility



Preferred Observability feed for Watson AIOps

Contextualized data with metrics, traces, profiles, dependency mapping to drive automated remediation



Enterprise-grade container platform

Builds on OpenShift's infrastructure management capabilities to provide deeper application visibility



Accurate real-time data

100% distributed tracing, 1 second metrics

Immediate software deployment pipeline and CI/CD feedback



Continuous, real-time discovery of microservices and infrastructure

Single agent architecture

250+ domain specific sensors



Powerful and easy to use data analytics

Infinite flexibility to generate new insights from the entire repository of application request trace data



Dependency mapping of "applications"

Automated dependency mapping across the entire stack Flexible Application Perspectives



Automated Root-cause analysis of Service Level violations

Automatic event correlation including performance, errors, and changes

Mainframe remains critical to enterprises

90%

percent of respondents see the mainframe as a platform for new growth and long-term applications¹

74%

say they, "believe the mainframe has long-term viability as a strategic platform for [their] organizations" ²

65%

of the revenue of organizations with significant mainframe operations is running on or touching their mainframes³

7x9

unparalleled reliability provided by mainframe – 3 seconds of downtime a year



67 of the Fortune 100



45 of the world's top 50 banks



8 of the top 10 insurers



4 of the top 5 airlines



7 of the top 10 global retailers



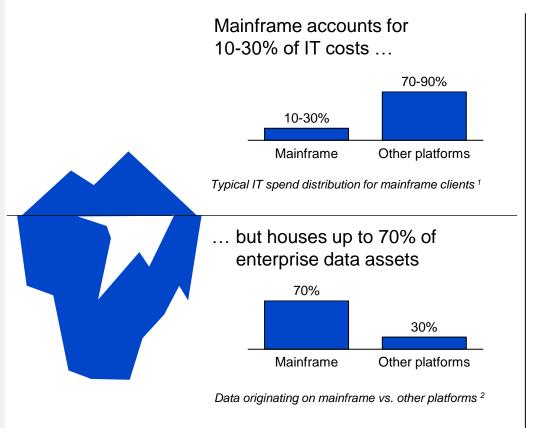
8 out of the top 10 Telco's

Upside potential with the mainframe is possible

Mainframe is 10-30% of IT cost

Up to 70% of structured data and business workflows originate on the mainframe

New technology and opensource offerings on mainframe enable business acceleration and cost efficiency



Unlock the value of the data and business workflows to re-invent your business

Enterprises can unlock 1-3% of revenue in value from embedded analytics and Al deep into enterprise systems of record

13 of the 15 market-leading APMs identified by Gartner lack any support for IBM Z

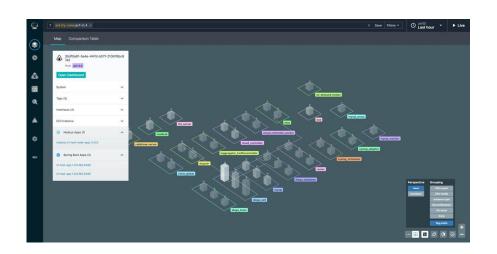
Multiple personas in our customers experience pain points associated with black boxes in their APM tools



Miki, IT Ops/application owner

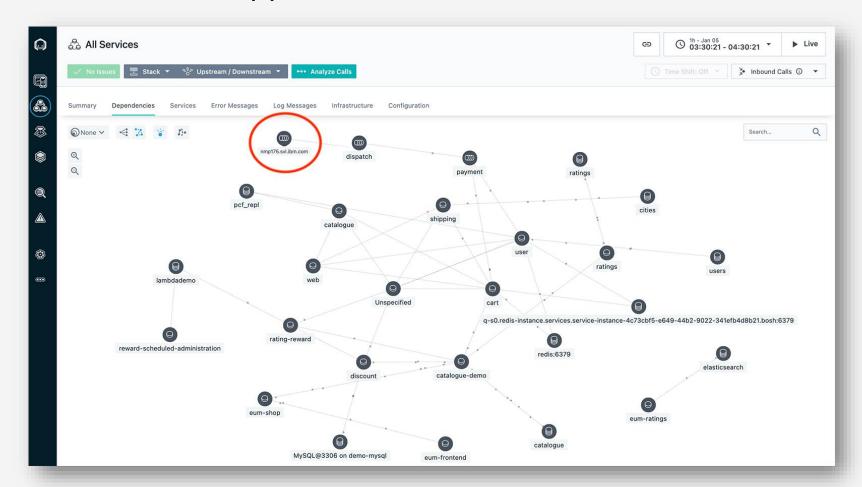


Jim, Z subject matter expert





Critical business application without Instana on z/OS



Customer experience *without* Instana on z/OS



Application owner

It looks like Instana is predicting a slowdown coming from IBM Z, but I can't see any detail.

I guess I'll bug the MQ team since they had the problem last time.





MQ looks okay to me. It's not my problem today.



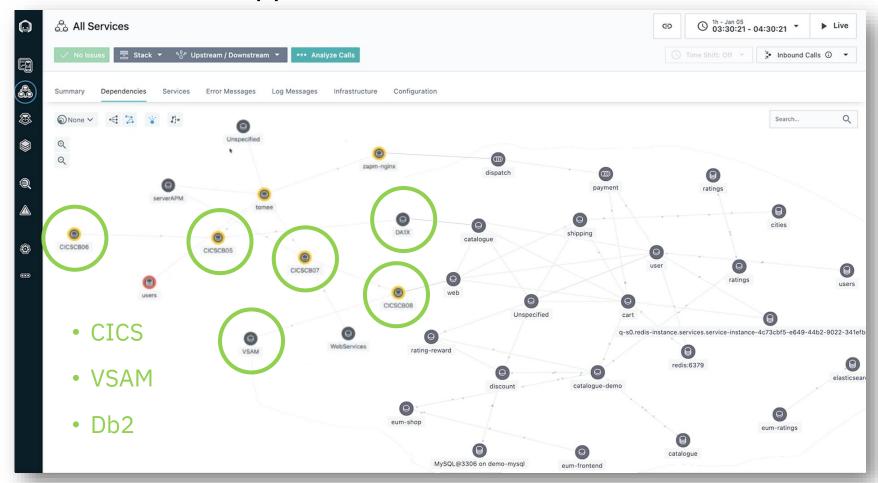
IMS SME

IMS looks idle. Are you sure this application is even calling IMS?



Uh-oh! Looks like CICS is experiencing a major slowdown.

Critical business application with Instana on z/OS



Customer experience with Instana on z/OS



Application owner

It seems there is a slowdown coming from CICS. It appears to be stemming from [CICS Region Name] and [TaskID] is associated.

Here's a **[link]** if you'd like to see for yourself.

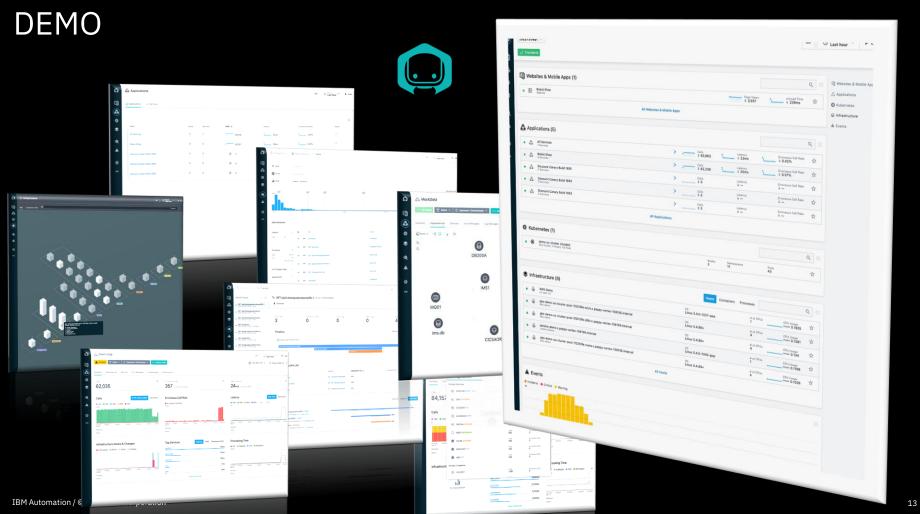


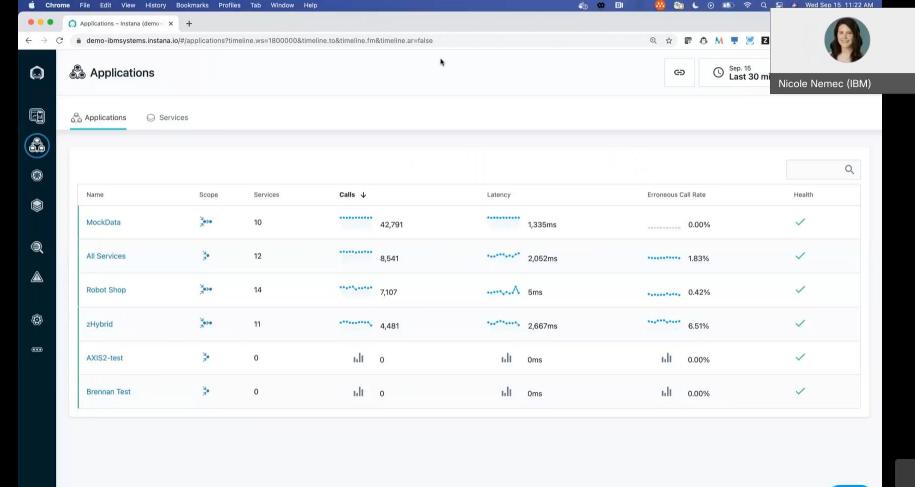


CICS SME

Thanks for the heads up.

I'm going to navigate to that CICS region in OMEGAMON, review the CICS task history, and take action immediately.







Excited to learn more? Check out these resources...



Check out the Instana on z/OS launch blog

Check out the current demo previewing Z integration with Instana

...and stay tuned for Z integration into the existing Instana demo environment

Contact product management with any additional questions...

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