

Transforming Mainframe Performance Management

Mainframes still run nearly 70 percent of modern workloads, including 90 percent of the Fortune 500's core business processes. They are the systems of record for most of the insurance, aviation, health care, financial, and government sectors worldwide, managing billions of transactions every day. They host more data with greater economic value than all other platforms combined. Clearly, mainframes are absolutely vital to business.

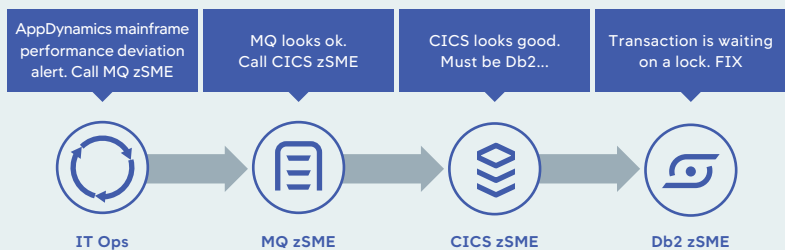
Enterprises must innovate on top of their mainframes to ensure stability and still keep up with the pace of change. But transaction volumes are exploding, with distributed and containerized applications driving ever-increasing workloads down to these systems of record. Already stretched IT teams are further strained tracking down and isolating the source of issues within the mainframe's multiple subsystems. They need to pinpoint the component quickly and act, or the business will suffer. So, while most APM solutions see mainframes as black boxes, AppDynamics and IBM® understand what's going on inside.

Deliver at speed with complete transparency

More than 90 of the world's top 100 banks rely on mainframes to process over seven trillion dollars in credit card transactions alone every year. If your mainframe keeps your business running, you need to understand how each subsystem is performing. IBM Z® APM Connect enables AppDynamics to track detailed transactions between individual z/OS® subsystems. This gateway, tightly integrated with AppDynamics, empowers users to incorporate these transactional performance metrics into their greater application monitoring ecosystem. Until now, mainframes were the black box "endpoint" for transaction monitoring, only allowing a surface view of issues impacting application performance. Today, AppDynamics users can finally understand the true end-to-end structure of their most complex applications, including every mainframe component with which they interact.

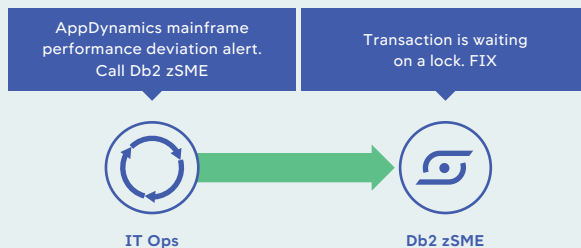
Mainframe application troubleshooting today

Today, IT Ops must start with the primary mainframe subject matter expert (SME), then watch as the problem kicks from one zSME to the next until the issue is finally identified and resolved.



Save time, effort, and resources with IBM Z APM Connect and AppDynamics

In the meantime, the application is down, and critical business processes are stalled. Pinpointing the exact component causing the slowdown and immediately contacting the right SME significantly speeds fixes, getting the business back on track quickly and freeing up valuable mainframe resources.



Break down barriers

IT teams are often still siloed from each other—especially mainframe teams. Integrating mainframe processing into APM dashboards helps application teams see this business-critical technology as another transparent application component—one that's easily understood and completely accessible, fostering greater collaboration.

Unlock the black box

Provide a true, end-to-end view of complex applications, from mobile and cloud through mainframe subsystems.

AppDynamics Team



Leverage AppDynamics' industry-leading Map iQ and Diagnostic iQ capabilities to optimize z System performance:

Visibility: Know exactly which applications and services depend on the mainframe and how everything is connected—in on-premises, cloud, and hybrid environments.

Health Rules and Alerts: Eliminate alert storms by establishing and dynamically updating performance baselines and related alert triggers.

Troubleshooting: Immediately see which mainframe component is the source of a problem, dramatically shortening MTTR.

Empower IT colleagues to get right to the SME who can help them—eliminating false positives and keeping the rest of the team on task.

Z Team



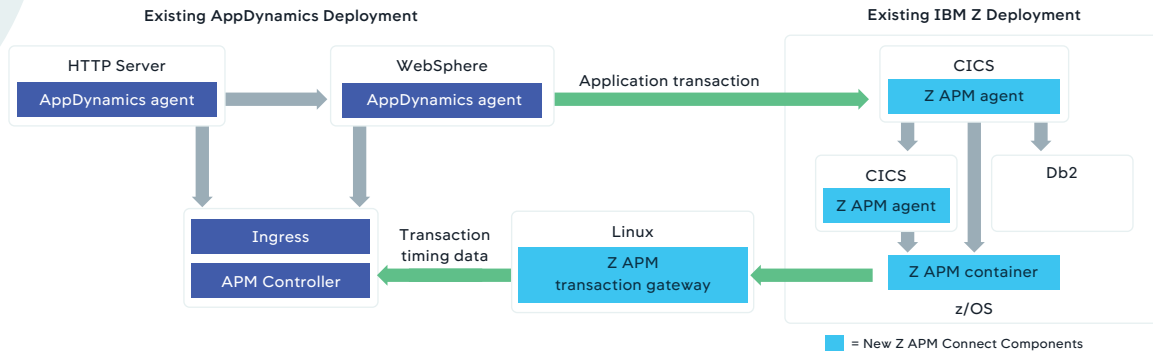
AppDynamics is constantly expanding z System support and currently delivers faster, more accurate transaction monitoring across these major IBM mainframe subsystems:

- IBM CICS
- IBM z/OS
- IBM IMS
- IBM Db2
- IBM CICS Transaction Gateway
- IBM MQ
- JVMs running on z/OS systems
- IBM z/OS Connect Enterprise Edition

And it's all done with extremely low overhead because you only trace tagged transactions.

IBM Z Architecture

IBM Z® APM Connect is self-contained, with no requirement to install IBM's broader OMEGAMON® z/OS monitoring tools. Implement AppDynamics agents on z/OS and automatically start incorporating granular mainframe insights into your overall application monitoring framework.



Required components: z/OS mainframe, IBM Z APM Connect license, AppDynamics Pro licenses, and a gateway box.

True mainframe performance insights delivered

Mainframes power the secure, compliant, high volume, and highly available data and transactions that make modern digital enterprises succeed. They're the backbone of enterprise revenue growth and innovation and play a central role in digital transformation. AppDynamics has brought mainframe performance management into the 21st century—delivering true end-to-end visibility and problem resolution.