

IntelliMagic

Availability Intelligence

IntelliMagic Vision for z/OS

IntelliMagic Vision provides performance and capacity teams with superior analytics to manage the z/OS infrastructure for reliable performance and availability.

The z/OS mainframe running your critical business applications is known for its unsurpassed reliability. Yet, hidden issues within the z/OS infrastructure can still cause unexpected service outages that are both disruptive and expensive.

▶ Automated Early Warning System

IntelliMagic Vision uses z/OS-specific knowledge and statistics to analyze z/OS operational measurement data, including RMF and SMF. Its insights presented in intuitive dashboards form an early warning system that automatically identifies issues.

▶ Strategic Performance and Capacity Management

Alerts can be investigated using context-sensitive explanations and drill-downs to the underlying details. All charts can be customized easily without any programming. The historical database boosts proactive performance and capacity management with powerful trending and point-in-time comparisons.

▶ Modernized Mainframe Infrastructure Analytics

This modernized approach protects against service disruptions, greatly reduces firefighting, and improves cost efficiency.

z/OS System Components

IntelliMagic Vision shows how the core z/OS components and subsystems are handling the application workloads, detects issues in the z/OS infrastructure and identifies the potential for mainframe software cost reduction. IntelliMagic is continuously adding intelligence that enhances the deep analytics that make IntelliMagic Vision so powerful.

▶ Reduce Mainframe Software Costs

The visibility into what drives the Monthly License Charges (MLC) enables IntelliMagic customers to significantly reduce this expensive recurring cost, while at the same time better positioning the infrastructure to handle peak requirements.

▶ System z Hardware

IntelliMagic Vision contains intelligent analytics on hardware components such as processor cache, zIIP, zAAP and crypto processors, zEDC compression cards, channels, FICON Directors and Coupling Facilities and alerts you to problems that you might not even know exist.

▶ z/OS Operating System

The performance of the operating system itself is vital, so IntelliMagic Vision looks carefully at essential parts of z/OS, such as paging, virtual storage, and Workload Manager (WLM). Rated charts show how well WLM achieves its goals including the severity of missed goals. Customizable reporting for items like jobs, volumes, and data sets is available for deep analysis.

▶ z/OS Subsystems and Networking

Business-critical applications will be impacted if z/OS subsystems like CICS, Db2 or MQ are experiencing problems. Views into the inner workings provide the necessary insights to resolve problems, proactively assess health, identify risks, see trends, peaks, and imbalances. IntelliMagic Vision also assesses key TCP/IP metrics and analyzes the use of the physical interfaces, including OSA channels and HiperSockets.

“We wouldn’t go anywhere without IntelliMagic Vision.”

Cheryl Watson, Watson & Walker

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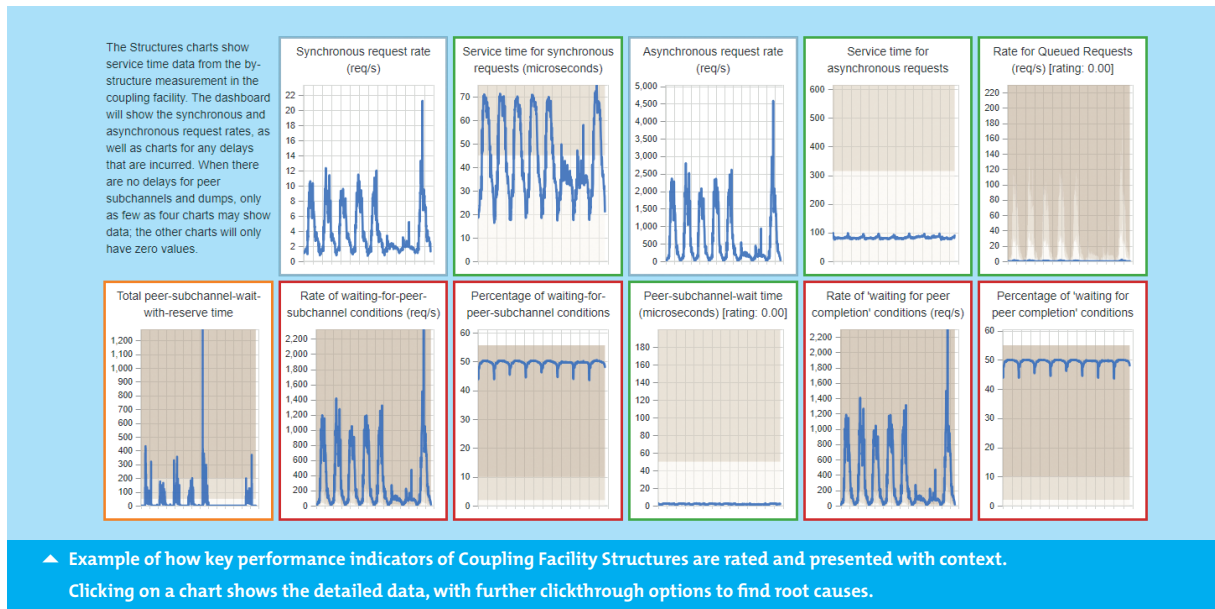
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▲ Example of how key performance indicators of Coupling Facility Structures are rated and presented with context.

Clicking on a chart shows the detailed data, with further clickthrough options to find root causes.

► Applications

z/OS infrastructure resources are shared among many different jobs and applications. Flexible application group definitions can be used to show infrastructure health and performance by application, validate application performance from the infrastructure perspective, and provide resource utilization metrics for showback and chargeback applications.

z/OS Storage & Replication

Using built-in intelligence, the Disk, Tape and Replication dashboards automatically identify existing and upcoming I/O issues. All the underlying detail data is readily accessible for full and speedy root cause analysis.

► Prevent I/O Problems

Potential bottlenecks, I/O performance or replication issues and configuration errors are flagged even before they impact applications. The automatic assessments detect potential issues by rating the workload measurements against expert knowledge for your actual storage configuration. This can identify bottlenecks before they introduce unacceptable delays.

► Multi-vendor

IntelliMagic Vision delivers multi-vendor storage analytics. Built-in knowledge on the characteristics of each platform is combined with the performance measurements to assess whether the storage performs as expected. The dashboard shows all the storage systems in one unified view for easy comparison. In addition, platform-specific reports analyze aspects that are applicable to a specific storage system type only.

► Supported Platforms

For disk, all current z/OS attached storage system types from IBM, Dell EMC, HDS and HPE are supported. For virtual tape, IntelliMagic Vision supports TS7700 from IBM and VSM from Oracle StorageTek.

Software as a Service

IntelliMagic Vision can either be installed on premise, or used in the Cloud, where IntelliMagic manages the software for you such that you can realize the benefits without the overhead.

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Contact us for a customized demonstration based on your SMF measurement data to see the value of

IntelliMagic Vision for your own z/OS environment.

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