

IntelliMagic

Availability Intelligence

# IntelliMagic Vision for z/OS

**Modernize SMF and RMF interpretation with dynamically generated intelligence about your z/OS infrastructure. IntelliMagic Vision provides the performance and capacity team with all the information they need to make superior decisions and attain their goals of ensuring application availability.**

## ▶ Why IntelliMagic Vision for z/OS?

Availability is critical for your business applications. Yet, the z/OS systems and storage infrastructure that your applications depend upon still cause expensive unexpected service disruptions.

Everything you need to proactively prevent disruptions is there, hidden in the millions of SMF and RMF data points. So how can you find the information that is relevant in the context of your infrastructure configuration and application requirements? How can you make sure all the metrics are automatically evaluated to avoid production problems?

What is needed to effectively leverage this data is not just better-looking reports. Rather, it is automatically deriving real intelligence out of the data to show potential issues and root causes across the infrastructure. IntelliMagic Vision utilizes detailed z/OS expert knowledge to automatically generate hundreds of insights and dramatically improve visibility into z/OS infrastructure operations.

## ▶ Risk Indicators

Risk indicators are derived from the metrics through intelligent rules and are visually represented in the dashboards. This unveils what is happening inside the infrastructure, even before applications suffer. By acting on the potential issues before they cause a disruption, time can be spent on strategic performance management instead of on fire-fighting efforts.

## ▶ Root Causes

The highlighted issues can be investigated easily by using the drill-down options. This quickly leads to the root cause of the problem. IntelliMagic Vision will show related aspects, point out 'heavy hitters', and provide guidance towards the solution.

## z/OS Systems

IntelliMagic Vision has extensive support for z/OS Processors and Systems Components. Continual visibility into how the z/OS systems infrastructure is handling your workloads helps you improve performance and protect availability.

## ▶ See and Optimize z/OS Infrastructure Issues

IntelliMagic Vision for z/OS continuously evaluates the systems infrastructure, highlighting potential issues and enabling you to more easily see and optimize WLM definitions, increase your effective MIPS rate, prevent virtual storage shortages, avoid paging, manage zEDC cards, Coupling Facilities, TCP/IP network operations, and more.

## ▶ Reduce Mainframe Software Costs

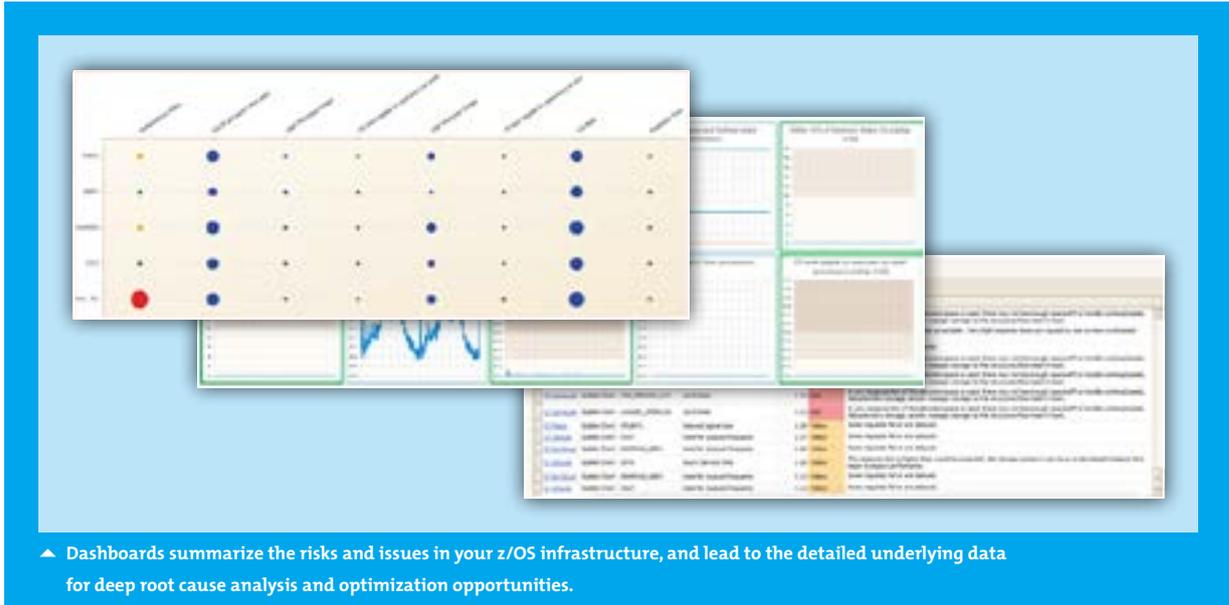
This new intelligence about your z/OS systems and processor infrastructure creates visibility that makes it much easier to reduce annual mainframe software costs. IntelliMagic customers have used this intelligence to lower Monthly License Charges (MLC) by millions of dollars per year, while better positioning the infrastructure to handle peak application performance requirements.

## z/OS Disk & Replication

IntelliMagic Vision leverages detailed, embedded expert knowledge about how your specific disk storage system and replication architecture handles your application workloads. This provides an early warning system that automatically identifies I/O issues in the making.

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▲ Dashboards summarize the risks and issues in your z/OS infrastructure, and lead to the detailed underlying data for deep root cause analysis and optimization opportunities.

### ▶ Prevent Service Disruptions

Specific Storage and Replication dashboards show any throughput limitation or configuration issue that may cause a problem. Every z/OS attached storage system model is supported in IntelliMagic Vision with embedded knowledge about the specific throughput capabilities and architecture details, such that the dashboards show what can be expected for each particular configuration for your specific workloads.

### ▶ All vendors in one view

IntelliMagic Vision is vendor-independent and shows storage systems from all the different makes and models in one view, so that they can all be adequately compared and managed in one universal manner. The specific detailed metrics that are applicable to each specific type of storage system model are available in graphs and tabular reports.

## z/OS Virtual Tape

IntelliMagic Vision for z/OS supports performance and availability management for Virtual and Physical Tape, with specific support for IBM TS7700 and Oracle VSM virtual tape solutions. EMC DLm support is currently being developed.

### ▶ Proactively Manage Virtual and Physical Tape

IntelliMagic Vision for Tape proactively identifies risks in your z/OS tape environment and highlights potential issues even before they have fully developed. With its intelligent analysis and threshold-based exception reporting, you can avoid tape performance outages, make wise tape hardware investments and optimize tape usage. IntelliMagic Vision can be used in z/OS tape environments with virtual tape libraries – including disk-only virtual tape – and with traditional physical tape libraries.

### ▶ Insights to Prevent Bottlenecks

Virtual tape library solutions provide measurement statistics of their internal hardware component usage. IntelliMagic Vision uses these additional metrics to give a unique insight into the inner workings of the virtual tape system, showing cache effectiveness, replication status, replication health, and physical tape use. Insight into the virtual tape system internals allows you to prevent throughput bottlenecks.

**Contact us for a customized demonstration using your RMF and SMF data so that you can see the value of IntelliMagic Vision for z/OS.**  
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