

Galileo for AI Infrastructure Planning

Thorough and ongoing infrastructure planning and monitoring is critical to ensuring the overall performance of your environment. In a market saturated with vendors and fast-evolving solutions, companies need to capitalize on the proliferation of big data, mobile devices and our always-on, digital culture. Deep learning and Artificial Intelligence (AI) are game-changers for business decision-making and is helping organizations differentiate themselves from their competition.

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The New Foundation for Business Decisions is AI

AI technology is evolving faster than expected and is already surpassing human decision-making in certain instances. While some find this disconcerting, AI is producing some of the most effective and dramatic results in business today. Enterprises are eager to take advantage of AI technologies as a means to introduce new services and enhance insights from company data

Performance Matters in the Business of Artificial Intelligence

While the implications are exciting, many organizations overlook the fact that AI and deep learning are extremely demanding on server infrastructure. This raises operational questions:

Should businesses develop in-house or use VARs, systems integrators, or consultants?

Should organizations deploy their solution on-premise, in the cloud or in a hybrid architecture?

Can they use existing infrastructure, or do AI applications and deep learning require new servers with new capabilities?

As teams move past their proof of concepts and begin to operationalize deep learning and AI, many start to experience issues. Not to mention the fact that the data flow necessary for successful AI isn't isolated to the data center. As enterprises of all types embrace IoT and AI technologies, they face challenges from edge to core to cloud. Leveraging AI requires infrastructure teams to use powerful parallel processing and investigating new solutions during the early experimental phase of AI development. Users of new methods of artificial intelligence will inevitably have to overhaul their infrastructure to achieve required performance capabilities.

Galileo Explores New Horizons Through Performance Monitoring

Because complex IT environments make performance management a difficult and expensive task, enterprises need a single solution that provides intelligent predictive analytics to inform and pinpoint potential problems before they occur and to empower better decision-making. Experimentation with server infrastructure to run these new workloads is quick and intuitive, yielding data for specific configurations, CPU characteristics and I/O capabilities.

By analyzing patterns and trends in data, IT can optimize utilization, increase agility and meet time-to-market pressures. In doing so, IT teams can effectively balance maintenance with innovation and drive the digital initiatives that propel business growth.

Unlike reactive performance monitoring tools that inform after an overload occurs, Galileo Performance Explorer is designed for proactive system management where accurate predicting simplifies planning for future capacity needs. To save time and quickly identify vital assets, Galileo provides configuration management tools that help access device information, configuration changes and code levels.

Diligent planning backed by the right data from Galileo Performance Explorer yields more efficient and cost-effective consolidation, migrations and transformations – as well leads to better long-term performance and higher returns.