Solutions to improve...
Maximo® Performance

Is Maximo Performance a real problem?

Yes. Most organizations configure and customize Maximo to meet their needs. This customization regularly introduces performance and scalability problems, typically manifesting themselves during peak usage. The impact of poor Maximo performance on critical business functions can be significant and costly.

Unfortunately it's easy to introduce performance problems and significantly degrade or destabilize Maximo. A number of simple actions can drastically slow down browser responsiveness, and if the Maximo Business Objects (MBOs) have been customized, the risk of performance problems significantly increases.

Maximo performance problems are rarely solved by adding hardware, as server memory and CPU utilization often remain low when response times suffer. There's very little information for developers on how to maintain strong performance when customizing Maximo.

This is why it is important to build performance testing into implementation projects, to identify performance issues during the project, and rectify them before implementation. We recommend testing early, and testing often as the best practice approach. The absolute minimum requirement should be to execute a performance test in advance of the Maximo system release.

Failure to test Maximo system performance runs the risk of causing costly disruptions to business operations.

Introducing StressTester™ for Maximo

StressTester™ for Maximo is an enterprise class Maximo performance testing tool designed to ensure optimal performance of Maximo systems, certified to work immediately against all versions since Maximo 5 and automatically configured to test a Maximo system - fast.

Even the most complex tests can be completed quickly and efficiently, enabling simple simulation of realistic Maximo user communities and system usage. All scenarios can be represented, ensuring that the Maximo system meets an organization's requirements, and the risk of performance problems are eliminated.

StressTester™ for Maximo provides comprehensive, in-depth analysis of any Maximo installation's performance, scalability, stability and load capacity, whilst simultaneously monitoring system operating systems, web servers, application servers and Maximo databases. These detailed information sets are automatically correlated, allowing instant pinpointing of the underlying causes of any Maximo performance, scalability or stability issues, before they become a major problem.

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So that's Maximo performance solved?

Unfortunately not! There are a number of things that typically change in a Maximo system over time, any of which can have a serious effect on scalability and performance.

Users often change the way they use Maximo as they become more proficient, through the use of "shortcuts", complex searches and specification of new report criteria. These types of action can place a different load on Maximo than originally anticipated, and negatively impact on response times for all users, not just on those behaving in an unexpected way.

As time goes by, the potential for unpredictable performance increases. The amount and range of data stored in Maximo databases grows, and often affects response times. Patches and updates to operating systems, infrastructure technology or Maximo itself are required, and these have also been known to significantly affect Maximo system stability.

Maximo can become unstable as things change and the causes of poor performance can be wide ranging. It's vital to monitor the performance of a live Maximo installation, in order to protect an organization from the risks of system failure or slowdown. Any monitoring solution should also identify the root causes of poor performance if business disruption is to be minimized.

Introducing Sentinel for Maximo

Sentinel for Maximo is the only monitoring solution designed specifically for Maximo and is therefore different from any other monitoring solution. Not only does it monitor Maximo's availability, correctness and performance, but crucially, it also monitors every aspect of the underlying system.

Response times can be monitored from anywhere within an organization, or in the world. By correlating this information with monitoring information of system components, this functionality ensures that Sentinel identifies the cause of a problem the moment it occurs.

When performance problems arise, the Sentinel Alerting Facility can be configured to send immediate alerts by email or SMS to support teams, who can use Sentinel to easily understand the problem and its cause. Rather than spend valuable time attempting to identify the cause, IT teams can immediately focus on resolving the problem. This ensures that system problems are minimized and will not go undetected, user communities are satisfied and business efficiency is improved.

Reflective Solutions is proud of its Maximo background, having held relationships with MRO and IBM since 2002. With a history of working closely with leading Maximo implementation consultancies and organizations that have adopted Maximo, Reflective Solutions is recognized as an expert in Maximo performance.

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