

## TeamQuest Model for Unisys MCP Systems



Predict Computer System  
Performance With Confidence

**TeamQuest Model** helps you understand how systems will respond to changes in both real and hypothetical situations. TeamQuest Model automatically builds and calibrates a real-world model of the relationships between workload elements and system resources from data collected on your system. These models can then be used repeatedly to analyze existing systems or predict the impact or effects of planned changes to your business or technology. Informed decisions can be made before making expensive changes.

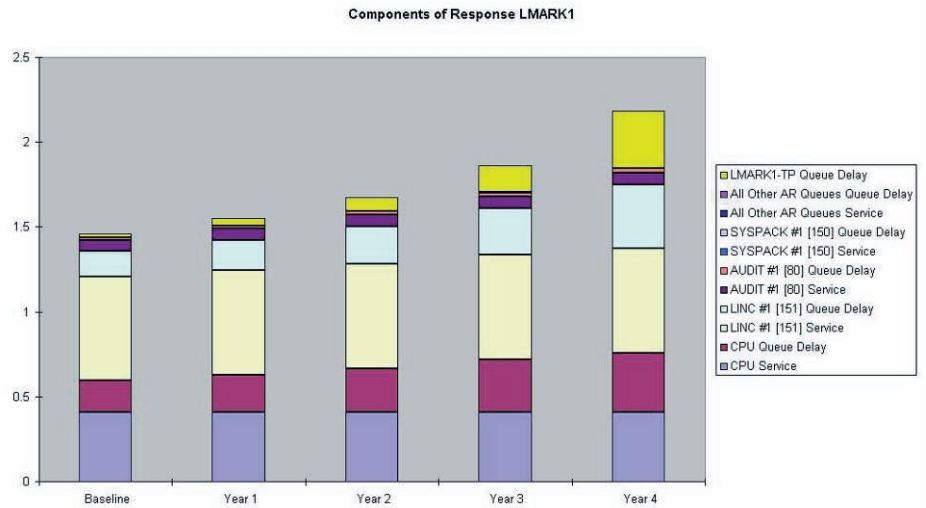
With TeamQuest Model, you can predict the performance of your computer system before conditions change:

- Plan system upgrades with confidence
- Strategize for planned deployment
- Manage the impact on servers for mergers and acquisitions
- Meet service level objectives
- Propose budget allocation
- Troubleshoot server consolidation

Note: TeamQuest Model for Unisys MCP Systems requires TeamQuest SMFII, a separately packaged product, for data collection. TeamQuest SMFII gathers statistics on system-wide CPU utilization, memory usage, I/O usage, disk space utilization, tasks, NAP and any application that is instrumented to collect performance-related statistics. Additional data sources can be found using TeamQuest Probes, which gathers statistics on COMS, DMSII, LINC, and BNAV2.

The TeamQuest Unisys MCP Systems Software family includes: TeamQuest Model, TeamQuest SMFII, TeamQuest Probes, TeamQuest Extended NAP Probes, TeamQuest PMPlus, and TeamQuest Express.

*This Components of Response graph from TeamQuest Model provides quick identification of resources impacted by growth of activity.*



## Answer “What If” Questions

- Understand, in advance, the impact of substantial changes to the processing environment for application distribution, server consolidation, business expansion or workload growth
- Know the effect of doubling a specific business workload over the next six months, while moving part of another workload to an alternate shift
- Know precisely when the system is likely to run out of capacity, given your current growth rate Examples of “What if” questions
- What is the long-term effect on my system if workload increases by 10% each year for the next 5 years?
- How will performance be affected if I double my CPU processing power?

## Build and Calibrate Models

- Build a representation of either an existing or a hypothetical system
- Retrieve data from your systems automatically for use in the model
- Build queuing network models from scratch
- Use the A Series Model Builder Wizard to build your model automatically
- Automatically calibrate the model to within an acceptable level of the measured results

## Solve Models and Predict Performance

- Use the only capacity product on the market to offer a choice between both major modeling disciplines — Analytic Modeling (mean value approximation) and Discrete Event Simulation
- Vary models across steps to show the compounded effect of continued growth
- Predict response times, throughputs, queue lengths, resource utilizations, and many other statistics
- Model system changes related to hardware (such as additional processors or faster disk drives), to the amount of work on the machine, or to the effects of balancing I/Os by moving files to different devices
- Analyze results directly using Microsoft Excel or export results to other packages

## Produce Detailed Reports

- Report principal results, workload and queue result statistics, and summary statistics
- View textual reports automatically using TeamQuest Model
- View, customize, and create graphical reports quickly and efficiently using Excel

[www.teamquest.com/unisys](http://www.teamquest.com/unisys)



## Contact TeamQuest