



## MAXIMIZE SYSTEM PERFORMANCE, RELIABILITY AND AVAILABILITY

### EDS PERFORMANCE MODELING

#### Features

- Defined and proven performance modeling process to establish system performance and capacity models
- Analysis of system capacity, resource utilization, transaction response times and overall system performance
- Utilization of capacity simulation for efficient infrastructure planning and optimization
- Performance modeling metrics including end-to-end response time and utilization for server and network components

Testing and Quality Assurance Services offered by EDS, an HP company, provide performance modeling capability to address systems performance issues during design, construction and operation of your systems, so they deliver a higher quality of service. Our world-class testing practices optimize your applications and help you achieve a greater return on your applications and information technology (IT) infrastructure investment.

#### Testing modern system architectures

IT challenges are more intense as systems increase in size, complexity and with the integration of business applications. Modern system architectures are multitiered and often share resources in a virtualized environment. And with expectations from end users constantly increasing, it is important to test and model performance for optimal capacity. Organizations are striving to achieve the following objectives for their IT infrastructures:

- Provide high quality of service for end clients
- Receive performance evaluation and capacity planning of systems for efficient use of applications and infrastructure
- Reduce software, hardware and operating costs by optimizing infrastructure utilization

#### Benefits

EDS' team of experts uses a proven methodology and automated testing tools to model the performance dynamics of your applications and IT infrastructure. Performance modeling ensures that you make the right investment in hardware and software infrastructure and achieve the following results:

- Enhance customer satisfaction by applying scalable solutions.
- Improve production performance and application response time.
- Improve customer experience by identifying and resolving system bottlenecks.
- Increase cost efficiencies through improved utilization of IT infrastructure.



## WHAT WE HAVE TO OFFER

EDS uses performance modeling to identify and correct performance issues during system design. We also provide capacity modeling for production systems to simulate work loads and plan for infrastructure needs.

- Deepest level of infrastructure awareness in the industry
- Performance and capacity models are based on more than 40 years of experience with applications and infrastructure
- Strategic relationships with leading performance modeling software vendors
- Global testing delivery model with cost-effective Best Shore® locations based on clients needs
- Deep domain expertise and best practices in performance modeling and test management based on services delivered to leading Fortune 1000 clients

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## Establish performance and capacity models

EDS' approach to performance modeling can answer application and environment performance questions when other methods are either impractical, not allowed or too costly. We use our expertise in developing and implementing large, complex systems to design and execute performance and capacity simulations. EDS works with your team to establish performance modeling goals using EDS' test and tune methodology, processes, checklists and best practices. We conduct performance tests by emulating production usage scenarios. These scenarios consist of a workload containing a highly accurate profile of user community and business function activity. Empirical data to build the model is obtained from either your production or test environment. After the model is built and validated, it is then used to answer your capacity and performance questions and identify performance roadblocks.

## Realize optimum efficiency

- Improve system performance by identifying and eliminating performance-related problems in design and production.
- Improve customer satisfaction with responsive systems.
- Optimize the utilization of infrastructure and accurately size systems based on current and future demands.
- Reduce operational costs by avoiding over-capacity situations that create waste and under-capacity situations that create performance issues.
- Create an efficient infrastructure capacity plan for expected growth and increased workload.

## Why EDS

- EDS serves testing clients worldwide through 15 global testing centers of expertise locations, which operate at CMMI Level 3 with many centers achieving world-class CMMI level 5 rating.
- EDS has 4,400 global testing professionals and more than 70 ISO 9001 certifications.
- Leveraging EDS' strengths globally through our Best Shore® delivery model enables us to scale up or down more efficiently and effectively.
- Our best practices are based on specialized testing capabilities, including EDS' Enterprise Testing Method.