

## Consulting Services

# APPLICATION PERFORMANCE & SCALABILITY SERVICE

Today's businesses are very dependent upon reliable and responsive applications. The end-to-end performance of networked applications depends on complex interactions among applications, servers, and networks. OPNET's Application Performance and Scalability (APS) Service significantly reduces the risk associated with deploying web-based applications.

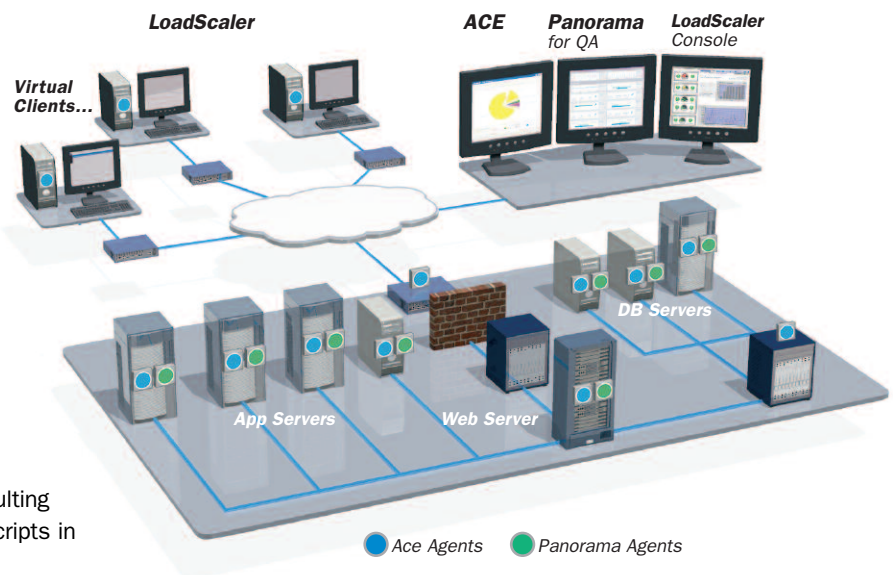
Determining the performance and scalability of applications under various loading conditions before deployment is a critical success factor. User productivity and customer experiences both suffer if poorly performing applications are deployed. The cost of fixing problems is markedly lower if performance issues are discovered and fixed prior to application "roll-outs".

The APS Service begins with application load testing using realistic user workloads in order to validate server capacities. End-to-end response times for key transactions are measured and baselined using techniques defined in OPNET's Application Network Readiness (ANR) Service.

Going beyond application performance and scalability testing, this service uses detailed modeling techniques to predict the performance impact of applications on existing or future network infrastructures.

The service employs an iterative process, with multiple tests and analyses that ensure the application is able to meet its Service Level Requirements at the conclusion of the engagement. This approach confirms whether the complete infrastructure, servers, and network can handle the expected load while delivering the required performance.

OPNET's consulting engineers have extensive experience solving complex application and infrastructure-related performance problems. Often, OPNET's consulting engineers can leverage existing application loading scripts in the delivery of this service.



### Application Load Testing

#### LoadScaler

Emulates real-world user behavior to measure application performance, predict capacity, and diagnose performance issues.

### Application Network Readiness

#### ACE Plus

Profiles application behavior and predicts performance before network deployment and provides analytics to optimize end-to-end response times.

### Server Performance Analysis for J2EE/Java Applications

#### Panorama

Performs real-time performance analysis of complex J2EE or Java-based applications by measuring system and application metrics within each server and across all tiers.

**For more information and a price quote, please contact:**

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