

# Finacle

## Software Performance Engineering

### OVERVIEW

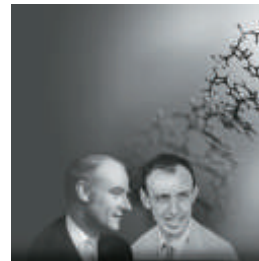
The imperatives of the flat world demand that banks demonstrate predictability of performance round-the-clock. A key driver for business performance is the availability of optimally performing critical enterprise banking systems, to respond to dynamic customer requests. At the same time, increasing competition and uncertainty emphasize the need for improved decision making combined with greater operational efficiency. All these mandate the need for well-planned, configured, optimized and reliable enterprise software solutions in addition to hardware.

Banks need to make investment decisions based on measured data, to preclude the possibilities of unpredictable performance. They must aggressively mitigate the risk of losing revenue and productivity resulting from downtime and degrading performance of enterprise banking applications. Increasingly banks have come to rely on performance validation conducted in a simulated environment, as the most cost effective means to achieve optimized performance.

### Finacle Software Performance Engineering

Software performance engineering from Finacle provides performance and availability validation solutions for the production environment. These enable banks to make critical decisions regarding investments, go-live readiness, new product introduction, mergers, acquisitions and business portfolio expansions. Consultancy for performance, scalability and availability solutions, are also an integral part of the service offering. Leveraging strategic tools and industry best practices, Finacle differentiates its service offerings in the software performance engineering space.

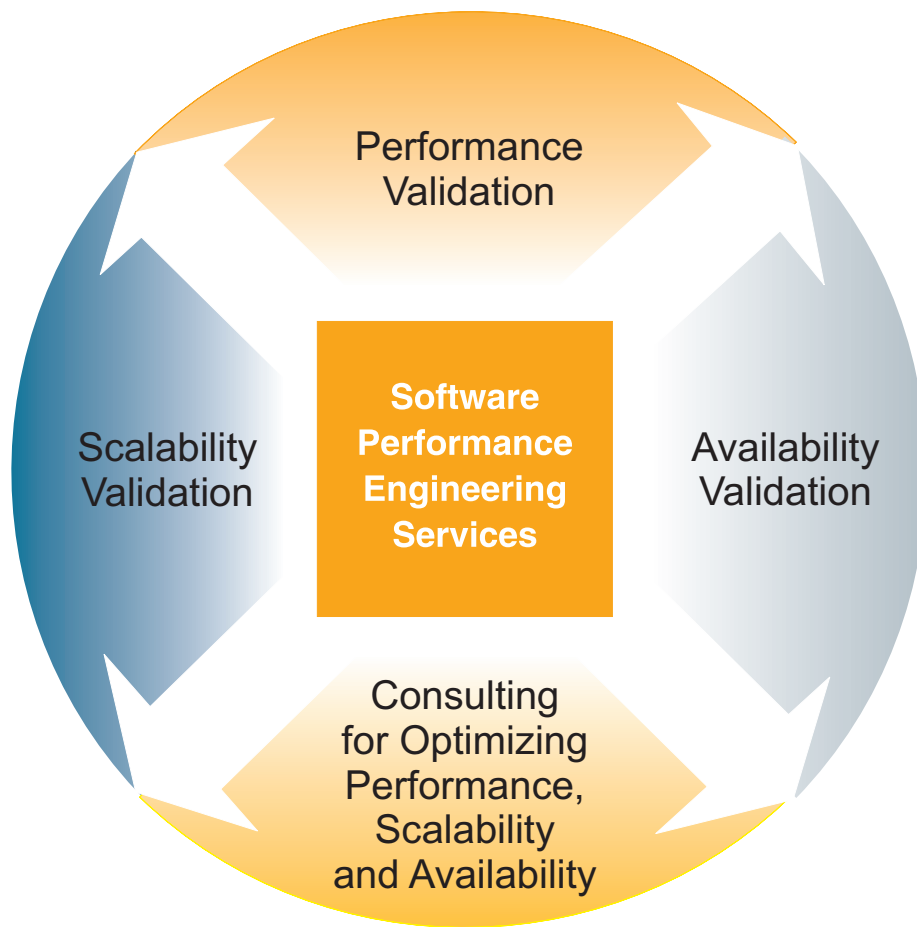
These services from Finacle empower banks to make appropriate, well-informed and data driven decisions when setting up their excellence center for performance and availability validation. These provide the appropriate design and strategy to arrive at a statistically computed workload characterization. In addition, these services provide comprehensive performance plans for execution. Software performance engineering services from Finacle also offer specialized support that results in additional analysis output from performance and availability simulation runs. When the bank validates performance using the in-house IT team, these services can be deployed to review the Finacle setup and configuration for the given load and volume, significantly mitigating risk.



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## Key Offerings

Software performance engineering from Finacle addresses the strategic performance and availability validation needs of a bank by providing the following offerings:



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## Comprehensive Performance, Scalability and Availability Validation

These services address the entire spectrum of endurance, load, volume, scalability and stress validation. The steps deployed to deliver these services entail requirement analysis, workload characterization, performance design and strategy, environment setup, configuration tuning, execution, analysis, demonstration and reporting.

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## Consultancy

Consulting services are offered for:

- End-to-end performance assessment
- Setting up the performance and availability validation environment
- Validation approach, design and strategy, performance and availability validation plan
- Performance optimization for Finacle solutions
- Configuration verification for given user load, transaction volume and high availability

# Business Benefits

## Optimized Solutions for Go-live

Software performance engineering from Finacle increases the bank's confidence to take decisions to go-live on optimized solutions. This is enabled by the performance statistics collected in a controlled environment, easing deployment costs and concerns, while reducing risk.

## Reduced Costs

These services enable performance maximization of current infrastructure and applications by optimizing production systems. Leveraging these services, banks can quickly identify and resolve performance related problems in the simulation environment before it impacts users and the bottom-line.

## Increased Uptime

Finacle, with its experience on multiple deployment scenarios, can proactively isolate bottlenecks including application timeouts and application availability during hardware failures. This helps identify specific instances of integration bottlenecks with the bank's existing infrastructure, leading to a significant increase in uptime.

## Cuts Costly Trial and Error

Finacle's services enable banks planning for large deployments, to start with a scaled-down architecture. These play a key role in determining the maximum application capacity and the associated performance at that level. In addition, the services help identify the technology environment required to reach the desired level of performance or capacity. As a result, guesswork and costly trial-and-error approaches to capacity planning can be eliminated.



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