

Performance Engineering and Enhancement (PE²)

The performance of an organization is inseparable from the performance of its IT systems. Organizations risk losing revenue and productivity as their IT system performance degrades. According to an industry survey, "Improving IT system performance cuts productivity losses by as much as 40%."

Yet, organizations do not focus adequately on performance. IT systems are often designed without considering parameters like performance, availability and reliability, thereby impacting application performance. At best, organizational responses to performance issues are reactive and disjointed, exemplified by validating performance post-development and assigning responsibility for performance to multiple stakeholders. For instance, application vendors take responsibility for optimizing application performance and a database vendor optimizes the database, while hardware vendors focus solely on hardware. *From the customer's point of view, this results in a sub-optimal solution as the entire stack is not optimized for best performance improvement.*

Infosys' PE² solution, based on a holistic approach to performance improvement, amplifies application performance, availability and scalability to enable organizations to derive maximum value from their IT systems.

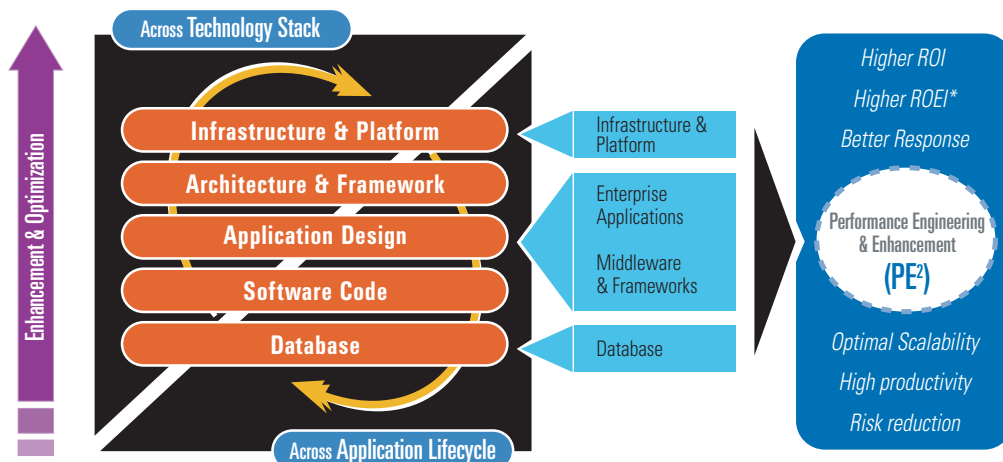
Approach to Performance Engineering

Infosys' PE² solution is a proactive and vendor-agnostic approach to performance improvement. Based on quantitative analysis and modeling, the entire **technology stack** covering the **whole application lifecycle** — SDLC and Post-Deployment — is optimized to deliver best results.

Infosys' PE² solution is a high-skilled approach to address performance issues and organizational challenges



PE² - Optimization of IT systems



Service Offering

The PE²solution portfolio provides a wide range of services, in combination or standalone, across the application lifecycle to address end-to-end performance requirements of enterprises. Our services include:

Architecture Optimization

- Introducing better performing products/tools/frameworks
- Optimal deployment of web/application servers, etc.

Code Enhancement/Optimization

- Tuning SQL queries
- Reusing cursors
- Optimizing looping constructs

Configuration Support and Audit

- Tuning configuration parameters
- Load balancing
- Planning file systems

Database (DB) Tuning & Modeling

- DB partitioning to improve performance
- Operating System & network optimization
- DB planning and optimization of I/O
- Tuning memory allocation

Design Optimization

- Shared objects
- Parallelization
- Memory/connection pooling
- Caching

Hardware Infrastructure Optimization

- Infrastructure deployment - architecture review/validation
- IT infrastructure consulting

Performance Modeling

- Workload modeling
- Characterization & Queuing Network Models (QNM)
- Capacity planning and benchmarking

Platform Optimization

- Optimizing messaging, middleware
- Tuning rules engines
- Grid computing

Success Story

The client, a leading bank headquartered in India, faced severe performance issues with 100 branches that served 1500 system users. It planned to add 400 branches with an additional user load of about 5000 to its existing core banking system to achieve optimal performance. Infosys partnered with the bank to resolve the issues and enabled it to successfully migrate all the targeted branches. The bank made huge cost savings by migrating 450 branches with the same hardware and improved response time.

Allied services

Business Consulting

Provides you with strategic differentiation and operational superiority, assessments, proprietary industry analyses & projects structured around beating the competition.

Technology Consulting

We work with you to develop implementable architecture solutions that help you leverage technology to enable business strategy. Our solution helps you achieve a balance between IT effectiveness and business innovation.

Application Development

We help you develop turnkey solutions with a faster time to market and a lower Total Cost of Ownership. Our services range from building a business case to assessing your application portfolio to designing solutions to building and implementing the solutions.

Infrastructure Management

Our range of services is geared to keep your operations running smoothly and reduce costs. Services include infrastructure planning, auditing, data center and application management and help-desk services.

Global Presence

North America

Atlanta, Bellevue, Bridgewater, Charlotte, Detroit, Fremont, Houston, Lake Forest, Lisle, New York, Phoenix, Plano, Quincy, Reston, Toronto

Europe

Brussels, Copenhagen, Frankfurt, Geneva, Helsinki, London, Milano, Oslo, Paris, Stockholm, Stuttgart, Utrecht, Zurich

Asia Pacific

Beijing, Hong Kong, Mauritius, Melbourne, Shanghai, Sharjah, Sydney, Tokyo

India

Bangalore, Bhubaneswar, Chandigarh, Chennai, Hyderabad, Mangalore, Mumbai, Mysore, New Delhi, Pune, Thiruvananthapuram

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About Infosys

Infosys Technologies Ltd. (NASDAQ: INFY) defines, designs and delivers IT-enabled business solutions that help Global 2000 companies win in a flat world. These solutions focus on providing strategic differentiation and operational superiority to clients. Infosys creates these solutions for its clients by leveraging its domain and business expertise along with a complete range of services.

With Infosys, clients are assured of a transparent business partner, world-class processes, speed of execution and the power to stretch their IT budget by leveraging the Global Delivery Model that Infosys pioneered.



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DRIVEN BY VALUES