



## SOA

### Overview

The new era of Business Technology represents a shift from Information Technology as separate department to a model where technology powers the business. With it, the role of the CIO is changing to be measured on overall business outcomes such as managing risk, accelerating growth or lowering costs.

Being able to quickly respond to change – be it a new business opportunity, a change to regulation, a competitive threat or a merger – has always been a significant competitive advantage.

- Too often, IT inhibits rather than enables organizations to quickly seize opportunities and respond to new situations.
- For that reason IT is under tremendous pressure to better enable business change.
- IT is responding to this pressure by embracing SOA, which is promising primarily because of its ability to increase business flexibility.

HP's Business Technology Optimization portfolio leverages the power of the company's management software and application services with assets that help customers align business and IT, manage IT services and automate end-to-end change by integrating key IT functions across strategy, applications and operations.

HP Business Technology Optimization for SOA is a practical approach that addresses people, process and technology to help customers overcome the challenges associated with the adoption of SOA. HP's offering addresses the fundamental inhibitors to enterprise SOA adoption by helping customers establish a practical approach for SOA governance, quality and management. Using HP SOA software and service solutions, customers can address some of the biggest challenges in SOA, including:

- Gaining control over the lifecycle of services creation and reuse;
- Reducing the risk of low-quality, poor-performing services;
- Managing services and application in production;
- Identifying and resolving SOA-related problems before they negatively impact the business; and
- Utilizing services regardless of the underlying integration platform.

HP believes SOA requires a platform-neutral approach and must work harmoniously with the existing IT investments. HP is agnostic in its approach to SOA, unlike other vendors, it does not sell a platform stack. HP leverages strong partnerships in middleware and

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application integration, including BEA Systems, Microsoft, Oracle, SAP, TIBCO and WebMethods.

Other vendors can actually create silos, setting the SOA apart from existing IT investments and key processes that lead to successful SOA. It's ineffective to have one IT process for SOA, and one for SAP NetWeaver, and one more Oracle Fusion, etc. It's all within one production IT environment and, therefore, there needs to be an integrated and interoperable solution that defines, manages and governs the processes across all platforms.

Before companies go any further with SOA, they need to address the practical challenges inhibiting SOA success and implement governance, quality and management processes first and then automate them. Once the foundation is in place, then they can fully leverage existing and future IT investments.

### **HP SOA software and services**

HP BTO software provides an integrated solution set for SOA governance, quality and Management across the service lifecycle to deliver better business outcomes for SOA projects while enabling customers to achieve the benefits of SOA and mitigate risk. For example:

- Delivering SOA governance solutions that provide visibility into services that is required for a successful SOA implementation, and control the service lifecycle while effectively managing change;
- Enabling validation of the functional quality of services, in addition to optimizing their performance and allowing them to scale in production;
- Powering the operational aspects of SOA with management solutions that service providers, service consumers and CTOs can use to enforce IT security and business policies, improve problem detection and control risk.

HP provides a comprehensive set of SOA software solutions, including:

- HP SOA Manager – delivers purpose-built functionality to provide visibility and control over the challenges of managing SOA.
- HP SOA Systinet – offers complete SOA governance, including a registry and repository foundation as the enterprise SOA “system of record” and a rich set of governance capabilities.
- HP Business Availability Center – meets the needs of SOA management challenges and measures and manages critical business processes to deliver intended business outcomes for an SOA environment.
- HP Quality Management for SOA – provides testing of SOA services and complete, service-oriented quality management.

HP Services provides a suite of consulting services supporting the lifecycle of SOA adoption and implementation: setting strategy through services for development, enablement and implementation, and working with clients to achieve successful, rapid SOA adoption.

As a global organization with more than 69,000 consultants, HP Services has the most

skilled IT consultants in IT process engineering and IT architecture around the world. In addition to providing traditional consulting services, HP provides focus and assistance for customers in areas that HP and its clients consider the most critical and challenging in SOA adoption:

- Quality of the services being implemented,
- Management of heterogeneous SOA environments, and
- Governance of SOA as it develops and matures.

HP provides a range of consulting and software offerings, including:

- SOA Envisioning Service – intended for large enterprises to develop an understanding of SOA concepts, benefits and potential impacts on their business.
- SOA Assessment Service – uses the HP SOA Agility Assessment approach to help customers develop a comprehensive roadmap to guide the adoption of SOA across their enterprise.
- SOA Governance and Architecture Service – establishes the SOA Architecture Program Office to oversee enterprise architecture and the SOA governance model as the enterprise is transformed.
- SOA Enablement Service – prepares the infrastructure for the implementation of SOA based on learnings from the Governance and Architecture Service.
- SOA Service Development – helps customers define, develop and deploy SOA business and IT services across the enterprise, line-of-business, department or at a project level.
- SOA Software Development Service – provides for volume and scale in development and delivery of business and IT services through the SOA adoption. A global software development capability helps increase productivity from customer development teams.
- SOA Management Service – for enterprises looking to gain control of their SOA adoption, including lifecycle management, services management, monitoring, auditing, analysis, service-level agreements and policies.
- HP SOA Domain Model – a core framework upon which the planning and execution of an enterprise SOA program can be structured. In this model, HP has identified eight domains that must be addressed to promote and support a successful SOA implementation. They are Business, People, Program Management, Governance, Architecture, Enabling Technologies, Operations & Management, and Supply & Demand.
- HP Maturity Model – HP intellectual property that provides a comprehensive assessment of the maturity of an enterprise's environment with respect to SOA adoption. Using best practices, HP works with customers to assess, plan and manage a successful SOA transformation.
- HP SOA Maturity Self-Assessment Tool – a user-friendly, online assessment tool based on the HP SOA Domain and Maturity Models and SOA research from analyst firm, IDC. Upon completion of an assessment, customers automatically receive a detailed report providing a maturity profile, comparisons against all respondents as well as

peers in their industry, and recommendations for improving maturity.

- HP SOA Center of Excellence – designed to help companies that may have already initiated a SOA project, but want to embark on an enterprise-wide SOA initiative. Customers can develop a proof of concept and gain a hands-on understanding of how to drive SOA best practices, standards, procedures and governance across the enterprise to help encourage service re-use, lower costs, increase efficiency and generally realize success from a SOA.
- HP SOA Competency Centers (in Bangalore; Cupertino, Calif.; Singapore; Sophia Antipolis, France; and Tokyo) – experts work with customers to help them experience the benefits of SOA first-hand and learn how to implement SOA to achieve business goals.

HP also leverages alliances with Accenture, BearingPoint, CapGemini, and Deloitte Consulting

### **Complementary offerings**

Customers gain additional benefits with HP's SOA offerings when coupled with its virtualization and automation technologies. HP defines virtualization as an approach to IT that pools and shares resources so utilization is optimized and supply meets demand.

In automation, HP uses model-based approaches to increase the responsiveness and delivery consistency of IT services against prescribed service levels. Other offerings complement HP's SOA offerings by integrating people, processes and technologies into a well-orchestrated environment. Examples include:

- Out-of-Box Integration – HP OpenView enterprise management software offers plug-ins for management and control of middleware and applications.
- Application Modernization Services – HP intellectual property, methodologies, tools and strategies for modernizing and migrating legacy application functionality as a pragmatic step along the SOA roadmap.
- HP OpenView Management Software, HP Systems Insight Manager and HP Identify Manager – industry-leading management capabilities that help customers realize the full potential of SOA by managing services across the entire lifecycle.

### **Why customers choose HP**

- Collaborative: HP offers a collaborative service approach with a global delivery model, through which it works with customers to deliver fast, efficient implementations. HP partners with industry leaders – in applications, infrastructure, security and other areas – to realize the potential of SOA. HP creates trusted advisor relationships based on customer choice and supported by alliances with its partners.
- Power of the portfolio: HP services, software, server and storage products deliver on SOA, addressing needs at both the architecture and solution levels. HP BTO for SOA offerings address SOA governance, quality and management.
- Heterogeneous: Recognizing that enterprises have multi-vendor, multi-platform computing environments, HP delivers SOA environments across all infrastructure service platforms.
- Standard: HP incorporates and contributes to relevant standards. The company has

more than 500 professionals participating in about 750 standards committees within about 150 industry organizations.

- SOA Experience and Expertise: HP has been developing service-oriented solutions for many years – for customers and in its own enterprise environment. HP recognizes that people, process and technology are required for a successful SOA implementation and know how to leverage each to help organizations achieve positive business outcomes.

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