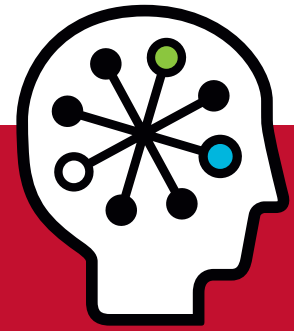




HP SOA Systinet software

Data sheet



HP SOA Systinet is a comprehensive SOA Governance software platform, addressing the complete SOA lifecycle, including a registry and repository as your enterprise SOA “system of record” and a rich set of governance capabilities.

SOA Governance: Accelerate SOA adoption across your enterprise and mitigate disruption by establishing visibility, trust, and control.

Few advances in technology have garnered as much widespread attention and adoption as service-oriented architecture (SOA). This is because the SOA promise is powerful, holding the potential to transform both IT and business into more agile organizations, resulting in better business outcomes.

But this promise also introduces risk and can be disruptive to IT. SOA brings new technologies, methodologies, and levels of complexity. A key way to mitigate this risk is to embrace SOA Governance at the start. SOA Governance is a critical and foundational aspect of all SOA initiatives now and moving forward. As best stated by Gartner Research, “Governance is not an option but an imperative.” While SOA Governance requires a commitment by the IT organization to embrace SOA Governance practices, it can be facilitated and simplified by the use of SOA Governance technology that can foster collaboration and automate key processes and best practices for easier organizational adoption. HP SOA Systinet software is such a solution. HP SOA Systinet is a comprehensive, innovative SOA Governance software platform and includes a SOA registry and SOA repository foundation as the “system of record” for your enterprise SOA and a rich set of governance

capabilities enabling SOA visibility, trust, and control. These capabilities include:

- **Information management for visibility and reporting:** Information management includes all the capabilities to support the flow of critical SOA Governance information to the key stakeholders and decision makers. Key capabilities include:
 - **Publish and discovery:** A basis for capturing and managing metadata, relationships, service and artifact versioning information, and service and artifact descriptions within a flexible and searchable service catalog with notification and subscription for change management
 - **Graphical navigation and search:** Enhancing the user experience to easily navigate and find key information about services, artifacts, versions, and dependencies for service consumption and change management decision making
 - **Customizable reporting:** Delivered through the flexible Systinet Workbench, Systinet’s customizable reporting capabilities enable the creation and generation of a variety of key reports for measuring various facets of SOA, including portfolio and policy conformance, service adoption, and re-use
- **Policy management for best practice automation:** Automates the process of validating architectural consistency, drives service lifecycle decisions and promotion, enables registry and repository integrity, facilitates the establishment and validation of run-time policies, and drives interoperability and conformance of services and their associated artifacts throughout the service lifecycle
- **Contract management for consumer-provider relationships:** Establishes a methodology and process for service consumers to request service consumption and for service consumers and providers to negotiate and agree upon conditions for service and operation use and service-level expectations, reducing conflicts and misaligned expectations and enabling proactive communications of SOA changes. HP SOA Systinet

What is a complete SOA Governance platform?

Attain visibility. Streamline collaboration. Automate, where possible.

Lifecycle management for end-to-end control

- Promote services through lifecycle stages
- Enable impact, version, and change management

Contract management for consumer-provider relationships

- Formalize consumer-provider relationships
- Negotiate and manage agreements on an ongoing basis, facilitate change

Policy management for best practice automation

- Create and maintain design principles
- Validate compliance to design-time and run-time policies
- Reduce duplication of services, faster re-use where valuable

Information management for visibility and reporting

- Model relationships and dependencies
- Report on SOA success metrics: Compliance, use, and re-use
- Publish and discover services and related metadata, including policies

Standards-based Interoperability
with a SOA-aware Ecosystem



SOA Center of Excellence



Providers



Consumers

contract management also seamlessly supports processes and metadata for contract versioning, contract cloning, contract lifecycles, and contract deprecation

- **Lifecycle management for end-to-end control:**

Manages the state changes of a service as it evolves across its lifecycle from design and candidate services, through testing and staging, and to deployment and operations. HP SOA Systinet supports policy-driven lifecycle stage promotion as well as owner-driven promotional stage advancement and supports both individual and group ownership of service lifecycles. Through HP SOA Systinet integration with HP Service Test Management, a key component of HP Quality Center, quality and testing events can also drive lifecycle promotion activities assuring that Quality Assurance is a strategic element of the SOA Service lifecycle. HP SOA Systinet Lifecycle Management helps all SOA stakeholders understand the impact of service changes

- **Standards-based interoperability with a SOA-aware ecosystem:** HP SOA Systinet is designed to effectively drive service lifecycle governance across heterogeneous SOA environments. Items of note include:

- HP SOA Systinet support for a fully standard, replicatable, and embeddable UDDI v3 registry for standards-based integration and discovery of services

- **Conformance to and stewardship of the Governance Interoperability Framework (GIF):** GIF represents the most widely adopted set of specifications for SOA Governance interoperability available in the industry and GIF compliance provides HP SOA Systinet with seamless interoperability with run-time tools, such as

Policy Enforcement Points and SOA intermediaries, and other SOA infrastructure solutions including SOA middleware, SOA management tools, Web 2.0, and application development frameworks

HP SOA Systinet: A key component of HP Business Technology Optimization (BTO) for SOA

For SOA success, you need an integrated approach that strengthens relationships among stakeholders and enables optimal leverage of assets across the Service Lifecycle. HP BTO solutions are designed to optimize business outcomes from IT investment and include integrated SOA Governance, SOA quality, and SOA management software. Benefits of HP BTO for SOA approach include:

- Greater business agility and fewer duplications of effort by providing software infrastructure for services that can be consistently discovered, understood, and trusted, forming a solid basis for new SOA composite applications and fostering service re-use
- Lower maintenance costs and enable more adaptable SOA applications by building consistency and interoperability into services
- Deliver higher quality services with fewer service outages by providing services that meet business and IT functional requirements and optimized performance when they are put into production
- Reduction in risk of new SOA initiatives by enabling the flexibility and cost savings that SOA promises combined with built-in control, not allowing complexity to turn into chaos

As part of the HP BTO software portfolio for SOA, HP SOA Systinet enables your SOA stakeholders—including service providers, service consumers, and enterprise SOA architects to address key challenges such as:

- How can I discover services that I can reuse to accelerate development and delivery of my business-driven composite application?
- How do I seamlessly understand and manage the impact of change to my services on the operational SOA environment and my service consumers?
- How do I determine that my services conform to our corporate and IT enterprise policies?
- How can I make sure the embracing of service consistency in deployment and on-going operations?
- How can I establish an environment of trust between groups creating and consuming services to foster and increase re-use?

Key HP SOA Systinet features and benefits

- Includes a flexible, powerful service catalog for publishing and discovering business services, related metadata, and impact analysis
- Displays, both graphically and textually, role-based views into SOA information and captures the user experience through automated processes
- Provides a rich registry and repository platform for exposing Really Simple Syndication (RSS), ATOM, rich and Universal Description, Discovery and Integration (UDDI) query capabilities with built-in and extensible reporting through the Systinet Workbench
- Includes a fully standard UDDI v3 registry for seamless interoperability with the SOA ecosystem
- Has rich capabilities, including graphical taxonomy and customization editors, for organizing and managing SOA information
- Contains complete architectural, lifecycle, run-time, and interoperability policy management capabilities
- Seamlessly integrates with HP SOA Policy Enforcer to establish, and trigger provisioning for run-time policies. Run-time policies can be included in governance processes and result in consistent run-time policy enforcement
- Includes capabilities for negotiating consumer and provider contracts throughout the lifecycle of establish, update, deprecate. Through integration with HP Business Availability Center, HP SOA Systinet can associate metrics for service health reporting with individual services for consumption and change management decisions

- Supports discovery of rogue services through integration with HP Universal Configuration management database (uCMDB)
- HP SOA Systinet results in better visibility with less conflict and greater trust between service consumers and providers
- HP SOA Systinet supports faster and more controlled SOA deployments by managing inherent SOA complexity through a system of record, automated best practices, and intelligent information management
- HP SOA Systinet encourages trust-based reuse through service discoverability, including rogue services through an integration with HP uCMDB and by providing a detailed understanding of service attributes through graphical and textual navigation of service-related metadata
- HP SOA Systinet provides best-practice based automation and control over the service lifecycle including service candidacy, QA and test, deployment, version management, and deprecation

HP Services

Get the most from your software investment

To extend the value of HP Software for SOA, HP offers complementary SOA services to help you design, build, integrate, govern, manage and evolve an SOA environment. As a result, you can improve your business performance with the flexibility and discipline to change and grow.

- **HP SOA Envisioning** helps large enterprises develop an understanding of SOA concepts and identify the benefits and potential effects of SOA on their enterprise.
- **HP SOA Assessment** utilizes the HP SOA Agility Assessment to help you develop a comprehensive roadmap to guide the adoption of SOA across your enterprise.
- **HP SOA Governance and Architecture Service** helps verify that you have the right enterprise architecture, architecture program office and the governance model to support an SOA across your enterprise.
- **HP SOA Validation Services for Governance** helps enterprises establish effective governance for their SOA environment by working with them to plan, implement and test an initial governance program built upon the HP SOA Systinet software.
- **HP SOA Enablement Service** leverages the results of the Governance and Architecture service to prepare your infrastructure for SOA implementation.
- **HP SOA Service Development** helps you define, develop and deploy an SOA-based business and IT services across your enterprise, line-of-business, department and project.
- **HP SOA Software Development** provides volume and scale in the development and delivery of business and IT services to help you improve productivity from your deployment teams through the use of our global software development capability.
- **HP SOA Management Service** helps you gain control of SOA adoption with management support that includes lifecycle management, services management, monitoring, auditing, analysis, service-level agreements and policies.

With the increased agility that SOA provides, you can more easily and cost effectively align your IT resources for more flexible systems and applications and to help achieve your goals.

For an overview of HP Software services for SOA, visit www.hp.com/services/SOA

To access technical interactive support, visit Software Support Online at www.hp.com/managementsoftware/services

To learn more about HP Software Customer Connection, a one-stop information and learning portal for software products and services, visit www.hp.com/go/swcustomerconnection

	Visibility Edition	Standard Edition
Includes	SOA Repository UDDI Registry Information management Lifecycle management	SOA Repository UDDI Registry Information management Lifecycle management Policy management Contract management
Benefits		
CTO office	Deploy Service Catalog Establish System of Record Enable consumers and providers to discover and publish services Understand impact and manage change	Deploy Service Catalog Establish System of Record Enable service discovery and publishing Understand impact and manage change Enable service conformance through enterprise-wide policies Report on SOA adoption, conformance, and portfolio
Providers	Register and publish services Advertise services for use Store artifacts throughout lifecycle	Register and publish service Advertise services for use Store artifacts throughout lifecycle Control service consumption Manage consumer/provider relationships
Consumers	Discover services and associated metadata	Discover services and associated metadata Request consumption Engage in formal contract with provider

Flexibility to choose the capabilities you need as your SOA scales

HP SOA Systinet provides comprehensive service lifecycle governance for accelerating the adoption and mitigating the risk of SOA in your enterprise. It acts as your foundation for complete visibility, trust, and control for your heterogeneous SOA environment.

HP SOA Systinet is available in two editions. The preceding table shows the functions and benefits of each edition.

HP SOA Systinet Visibility Edition (VE) provides a consistent way to describe, organize, and publish business services and related information for easy discovery, reuse, and run-time interoperability and a flexible way to manage service promotion through a lifecycle. HP SOA Systinet Standard Edition (SE) software extends these capabilities through trust and control functions, adding intelligent design-time and run-time policy management and powerful consumer-provider contract management, enabling complete governance of SOA services. In addition, both HP SOA Systinet VE and HP SOA Systinet SE integrate with HP quality management, HP performance management, and HP SOA operational management for the Business Technology Optimization of SOA.



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A complete solution

Comprehensive training

HP provides a comprehensive curriculum of HP Software and IT Service Management courses including courses for understanding and implementing SOA. These offerings provide the training you need to realize the full potential of your HP solutions and achieve better return on your IT investments.

With more than 30 years experience meeting complex education challenges worldwide, HP understands training. This experience, coupled with unique insights into HP Software products, positions HP to deliver the optimum training experience. For more information about these and other educational courses, visit www.hp.com/learn

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Technology for better business outcomes

To learn more, visit www.hp.com/go/soa

4AA1-2894ENW Rev. 1, August 2008

