

Secure, High-performance SOA and Cloud Computing with Layer 7 and Solace

Solace Systems



Together, Solace

and Layer 7

solutions offer

enterprises the

ultimate solution

for secure, high-

performance SOA

and cloud-based

infrastructure.

Solace Systems is the leading provider of middleware appliances that accelerate the flow of information while reducing the cost and complexity of enterprise IT. The Solace Content Router can filter and forward information based on the content of messages, quickly route it to relevant recipients, and transform it so each recipient receives a version that meets their exact requirements.

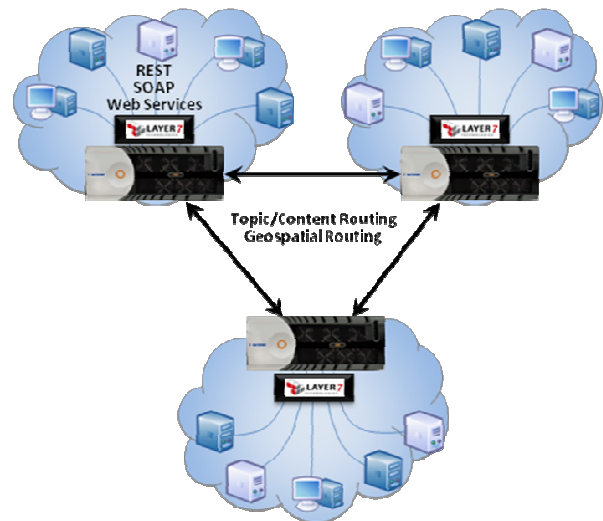
Layer 7 is the leader in SOA and cloud security and governance, helping companies control, manage and adapt their web services whether they live within the enterprise or the cloud.

When deployed together, Solace and Layer 7 products provide a turnkey solution for secure, high-performance SOA and cloud-based infrastructure. Solace's middleware appliance enables the intelligent routing and guaranteed delivery of information based on the real-time inspection of message content, while Layer 7's technology applies sophisticated policy-based authorization, authentication, and confidentiality.

Layer 7 SecureSpan and CloudSpan families of XML Gateways provide a wide range of capabilities for SOA, web services and cloud environments, such as regulating access to services, enforcing SLA policies, protecting against malicious attacks, enabling policy based integration and propagating identity across a transaction. Using Solace's messaging appliance in conjunction with Layer 7's XML gateway allows architects to create new virtual ESBs that feature with unprecedented reliability and policy-based controls for security, management and integration.

The growth in latency-sensitive communications has expanded beyond the datacenter into wide-area network (WAN) and cloud offload scenarios. Together, Solace's middleware appliances and Layer 7's XML Gateways provide an easily deployable pre-configured hardware solution for sharing critical real-time data across organizational boundaries and into the cloud.

To learn more please contact Layer 7 at 1-800-681-9377 or Solace at 1-613 271 1010.



Solace's High-performance Middleware Infrastructure

The Solace Content Router is a middleware appliance that filters, formats and forwards information. It compares message contents with subscriptions to identify appropriate recipients, transforms messages if necessary, and delivers them without any risk of loss or duplication of data.

- **High-speed messaging:** Solace supports reliable and guaranteed messaging with very low, predictable latency. Each Solace Content Router can route millions of messages a second to thousands of concurrent users.
- **JMS:** Solace offers a hardware-based JMS broker that enables persistent and non-persistent JMS that's faster and more scalable than software brokers.
- **Geospatial routing:** Solace can route information based on the location of senders and receivers.

Layer 7 XML Gateways

Layer 7's SecureSpan and CloudSpan appliances help organizations secure and govern their application services for SOA, Web and the Cloud.

- **SecureSpan:** Layer 7's SecureSpan family of appliances provide security, visibility and governance for SOA and Web Oriented Architectures (WOA), delivering support for SOAP, Plain Old XML (POX), AJAX and REST-based Web Services..
- **CloudSpan:** Layer 7's CloudSpan family is designed to be the cornerstone of any secure, cloud-based SOA initiative. When deployed in conjunction with Software as a Service (SaaS) offerings, as well as public and private clouds, CloudSpan lets you securely connect, protect and control all your cloud-based resources.

The Synergy of Solace and Layer 7

Web Services Deployments with Extreme Performance and Scale

Solace's appliance can handle high-volume XML-based content routing in a very small footprint, requiring minimal datacenter resources such as power, cooling and rack space. It also delivers predictable functionality and performance, while facilitating easy administration and scaling.

Greater Accessibility to Solace's Infrastructure

Through the integration of Layer 7's XML and web services capabilities with Solace's API, applications can send and receive information to and from Solace Content Routers using web services protocols such as REST and SOAP instead of communicating directly with the Solace appliance. They do so by interacting with the Layer 7 XML Gateways, which support WS- specifications such as WS-SecureConversation, WS-Addressing, WS-Eventing, WS-Policy and WS-Security.

Simpler Administration of Complex Messaging Environments

In large messaging and Web services environments, hundreds of applications, departments and organizations can share a single Solace device thanks to virtualization. Layer 7 offers the ability to simplify administration through policy-based controls that centralize the enforcement of application security, compliance, SLAs, quality of service, and more. Additionally, Layer 7's Gateways support the definition and management of routing and filtering rules for both classified and unclassified data.

Adding Geospatial Routing to SOA Environments

The solution can process the content and location of alerts and information at very high speed, enabling real-time filtration and forwarding of information based on the location of events, publishers of information and potentially relevant recipients. This improves situational awareness by ensuring that information is immediately delivered to the people and systems that need it no matter where they are, instead of warehousing it for batch analysis after the fact. This helps everybody from top officers to field employees more effectively anticipate and respond to developing situations in a timely manner.