



FORUM SYSTEMS

» THE LEADER IN WEB SERVICES SECURITY



FORUM SYSTEMS™

FEDERAL INFORMATION ASSURANCE GATEWAY



FORUM'S FEDERAL INFORMATION ASSURANCE SOLUTIONS

Forum's FIA Gateway enables government agencies to share information and collaborate securely while complying with e-government mandates. The FIA Gateway is an integrated solution that provides both threat protection and trust management in a standards based platform and includes these unique capabilities:



- ▶ **DoD PKI CERTIFIED** – Forum Systems' products are interoperable with the Joint Interoperability Test Command - Department of Defense Public Key Infrastructure (JITC DoD-PKI).
- ▶ **HARDWARE KEY MANAGEMENT** – Forum Systems' appliances ensure the highest level of protection for Web Services, and XML, by offering an integrated security solution that stores private keys in a tamper-resistant hardware security module that is impervious to attack.
- ▶ **FIPS COMPLIANCE** – Forum Systems' appliances are FIPS 140-2 Level II validated, satisfying strict physical security requirements such as tamper-evident physical security and pick-resistant locks. There is *FIPS 140-2 Level III* support for role-based authentication and key management.

SPECIFICATIONS

SECURE WEB SERVICES COMMUNICATIONS

- ▶ Web Services Mediation
- ▶ Segregated traffic management for raw XML and SOAP messages
- ▶ Multiple communication modes: Network Service, Proxy & In-line
- ▶ HTTP(S) 1.0/1.1
- ▶ IBM Websphere MQ, JMS
- ▶ Request and Response processing

WEB SERVICES AUTHORIZATION

- ▶ HTTP(S) Basic Authentication
- ▶ Security Assertion Markup Language (SAML)
- ▶ XML Digital Signatures
- ▶ WS-Security (User Name Token, X.509 Certificates and SAML)
- ▶ SSL Client/Server X.509 Certificate Authentication
- ▶ WSDL message-level access control
- ▶ LDAP Directory integration (e.g. SunOne, RSA Keon, MS Active Directory, Oracle Directory)
- ▶ Policy-based Access Control Lists

DATA-LEVEL SECURITY POLICIES

- ▶ WSDL masking and URI filtering
- ▶ XML Digital Signatures for data integrity
- ▶ Content filtering using XPath and regular expressions
- ▶ SOAP with Attachments security processing
- ▶ Composite schema validation, SOAP1.1/1.2 and WSDL 1.1/1.2 filtering
- ▶ Granular Element-Level Security
- ▶ WS-Encryption

PROACTIVE OPERATIONS MANAGEMENT

- ▶ SNMP v3 w/ Forum MIB & Syslog monitoring
- ▶ Request and response processing
- ▶ Exportable policy configuration with Global Device Management
- ▶ GUI Workbench and browser administration
- ▶ Dedicated 10/100 Ethernet management interface; dual Gigabit Ethernet data interfaces
- ▶ Integrated Active/Passive Failover
- ▶ Data-Level evidence repository with external archiving to: MYSQL, IBM UDB, Oracle
- ▶ Web Service Traffic Monitoring, Statistics and Reporting
- ▶ Secure WSDL document aggregation and publishing

GLOBAL DEVICE MANAGEMENT

- ▶ Synchronize policies across multiple devices and server instances
- ▶ Distribute and manage policies at a granular level
- ▶ Segregated administrative access control

SIMPLIFIED KEY MAINTENANCE

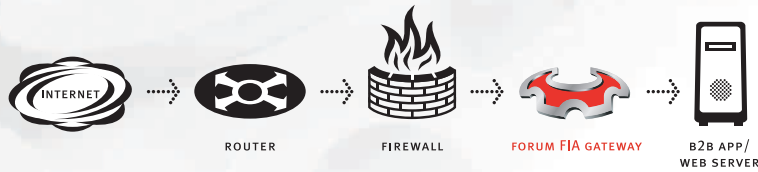
- ▶ Import, generation and management of X.509 and PKCS key formats
- ▶ PKCS #1, PKCS #7, PKCS #8, PKCS #10, PKCS #11, PKCS #12
- ▶ X.509 Certificates and CSR's
- ▶ 512, 1024, 2048, 4096 key bit sizes
- ▶ RSA, DSA, Triple-DES
- ▶ OCSP and Certificate revocation lists via LDAP
- ▶ Certificate Fetching via LDAP
- ▶ Certificate chain validation for XML Security and SSL
- ▶ FIPS 140-2 Level III Hardware Security Module
- ▶ JITC DoD PKI Certification



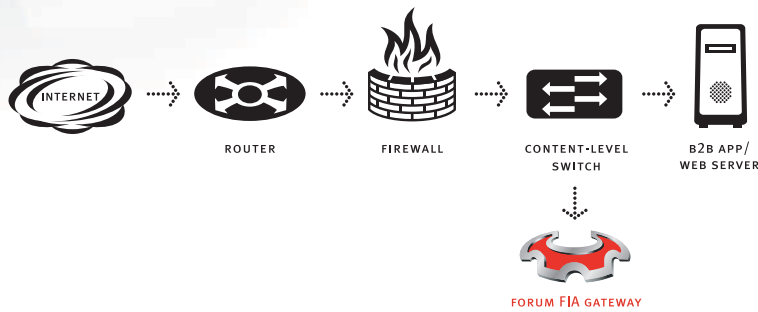
XML WEB SERVICES SPECIFICATIONS

- ▶ SOAP 1.1/1.2, XML 1.0, XSLT 1.0, Schema 1.0, DTD, XPath 1.0/2.0, UDDI 2.x+
- ▶ XML Digital Signature, XML Encryption, WS-Encryption, WS-Signatures
- ▶ WSDL 1.1/1.2
- ▶ WS-Security, SAML, WS-Routing, XKMS
- ▶ WS-I Basic Profile

IN-LINE NETWORK DIAGRAM:



1 PORT NETWORK DIAGRAM:



FORUM FIA™ AVAILABLE IN:



APPLIANCE OPTIONS

- ▶ Forum FIA™ 1504 FIA with DoD PKI Certification
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ABOUT FORUM SYSTEMS, INC.

FORUM SYSTEMS, INC. IS THE LEADER IN WEB SERVICES SECURITY WITH A COMPREHENSIVE SUITE OF TRUST MANAGEMENT AND THREAT PROTECTION SOLUTIONS FOR THE AUTOMATED WEB. FORUM SYSTEMS HARDWARE, SOFTWARE AND EMBEDDED PRODUCTS ACTIVELY PROTECT WEB SERVICES FROM THE NETWORKS EDGE TO THE APPLICATION SERVER. FORUM SYSTEMS PRODUCTS WON NETWORK COMPUTING MAGAZINE'S EDITOR'S CHOICE AWARD 2003, NETWORK MAGAZINE'S PRODUCT OF THE YEAR 2003 AWARD, DEMO 2004 INNOVATION AND FINALIST FOR NETWORK COMPUTING MAGAZINE'S 2003 AND 2004 WELL-CONNECTED AWARDS.

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