



SAP Security Solution Map

Product Management Security
SAP AG

Edition 2007-1

Security Solution Map

Compliance	Regulatory Compliance	Auditing	SAP Solutions for Governance, Risk and Compliance	Security Targets	
Secure Collaboration	Web Services Security	Content Security	Security Interoperability		
Identity and Access Management	Identity Management	Authorization Concepts and Management	Authentication and Single Sign-On		
Infrastructure Security	Network and Communications Security	Operating System and Database Security	Front-End Security		
Software Lifecycle Security	Secure Product Development	Secure Delivery	Secure Configuration	Secure Change Management	Security Governance

Edition 2007 - 1



Security Solution Map - Compliance

Regulatory Compliance	Auditing	SAP Solutions for Governance, Risk and Compliance	Security Targets
<ul style="list-style-type: none"> ● Audit ability regulations ● Data protection/ privacy and identity theft regulations ● Sarbanes-Oxley Act ● FDA ● Payment Card Industry (PCI) Data Security Standard ● HIPAA 	<ul style="list-style-type: none"> ● Process audit ● Configuration audit ● Master data audit ● Change management ● Transaction audit ● System audit 	<ul style="list-style-type: none"> ● SAP solutions for GRC 	<ul style="list-style-type: none"> ● Authenticity ● Integrity ● Privacy ● Trace ability ● Availability

- SAP Product Available
- ▶ SAP Product Available with Future Releases
- Future Focus




- Ⓟ Partner Product Available
- ▶ Partner Product Available with Future Releases
- Ⓞ Collaborative Business Map Available

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Security Solution Map - Secure Collaboration




















Web Services Security




-  SAML
-  WS-Security
-  XACML




Content Security

- Digital Rights Management
-  Document encryption
-  Document signatures
-  Secure storage
-  Virus detection
-  P

Security Interoperability

-  SSL/TLS
-  GSS-APIv2
-  P
-  SAML 1.0/1.1
-  SAML 2.0
-  JAAS
-  Kerberos
-  X.509 Digital Certificates
-  WS-Security
-  WS-Security Policy
-  WS-Trust
-  WS-Secure Conversation
-  WS-Security SAML token profile
-  S/MIME
-  PKCS#7
-  P
-  XML Encryption
-  XML Signature
-  LDAP
-  SPML
-  XACML

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Security Solution Map - Identity and Access Management

Identity Management	Authorization Concepts and Management	Authentication and Single Sign-On
<ul style="list-style-type: none"> ● Local Identity Management ● Integrated Identity Management ● Identity Management Interfaces 	<ul style="list-style-type: none"> ● Protecting Business Processes ● Protecting Data ● Protecting Applications ● Authorization Management 	<ul style="list-style-type: none"> ● SAP GUI P Web Browsers ● Web Services ● Communication between Systems P Developing Authentication Enhancements P SSO with Non-SAP Systems and Applications ● Supported Standards P

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Security Solution Map - Infrastructure Security

Network and Communications Security

- Network Architecture Blueprint
- Firewalls and Proxies
- Ⓟ Secure Communication
- Ⓟ Secure Database Connection
- Intrusion Detection

Operating System and Database Security

- Operating System
- Database
- Ⓟ Virus Detection
- Intrusion Detection (host-based)

Front-End Security

- Input Validation
- Output Encoding
- Secure Session Handling
- Secure Data Replication

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Security Solution Map - Software Lifecycle Security

Secure Product Development	Secure Delivery	Secure Configuration	Secure Change Management	Security Governance
<ul style="list-style-type: none"> ● Secure development guidelines ● Security quality management ● Security assessments ● Security certifications 	<ul style="list-style-type: none"> ● Code Signing ● SAP Software Distribution Center 	<ul style="list-style-type: none"> ▶ Minimal Installation and Activation ● Template Roles ● SAP Security Guides ● Security Optimization Service 	<ul style="list-style-type: none"> ▶ Customer development guidelines ● Secure system changes ● Security test tools ● Secure transports 	<ul style="list-style-type: none"> ● Best Practices ● Security Information

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