

"From the ground up, the Java platform was designed for security. Read this book to learn how to apply patterns and proven technologies to secure your J2EE applications and beyond."
 —James Gosling, Father of the Java programming language

core SECURITY PATTERNS

Best Practices and Strategies for J2EE, Web Services, and Identity Management



- Patterns catalog includes 23 new patterns for building end-to-end security
- Security design methodology, patterns, best practices, reality checks, pro-active security assessments, defensive strategies and checklists
- Applied techniques for Web services security, Identity Management, and Service Provisioning
- Comprehensive security guide using J2SE, J2EE, J2ME, and Java Card

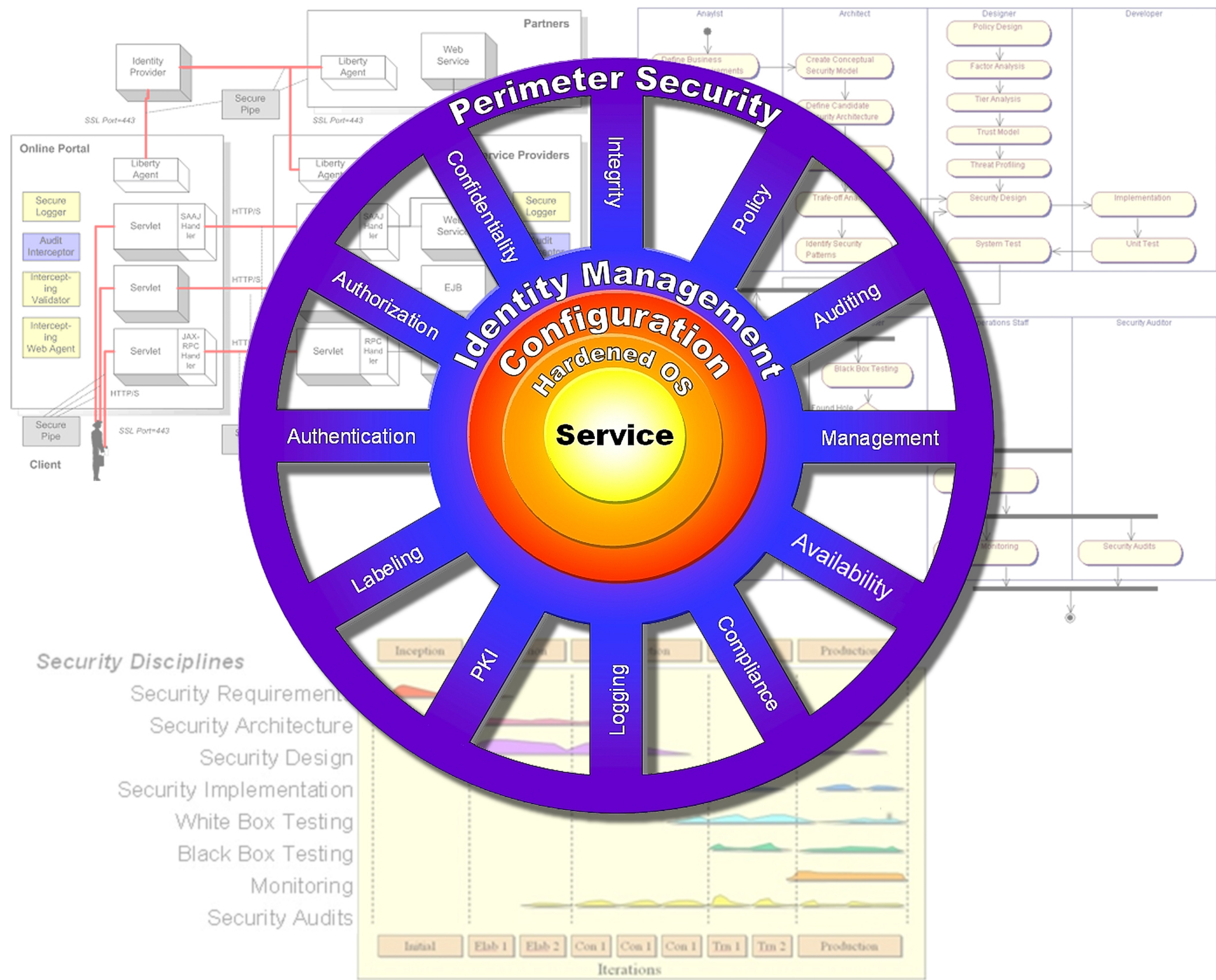


CHRIS STEEL • RAMESH NAGAPPAN • RAY LAI

Forewords by Judy Lin (EVP, VeriSign) and Joe Nieujewski (CTO, RSA Security)

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Web Tier Patterns

Pattern Name	Synopsis
Authentication Enforcer	Delegate handling of authentication details
Authorization Enforcer	Delegate handling of authorization details
Intercepting Validator	Use interceptors to perform security validation of input data
Secure Base Action	Centralize handling of security tasks in a base action class
Secure Logger	Log sensitive data securely
Secure Service Proxy	Provide security to external systems using a proxy
Secure Session Manager	Centralize security session information handling
Web Agent Interceptor	Use an interceptor to provide security to web applications

Business Tier Patterns

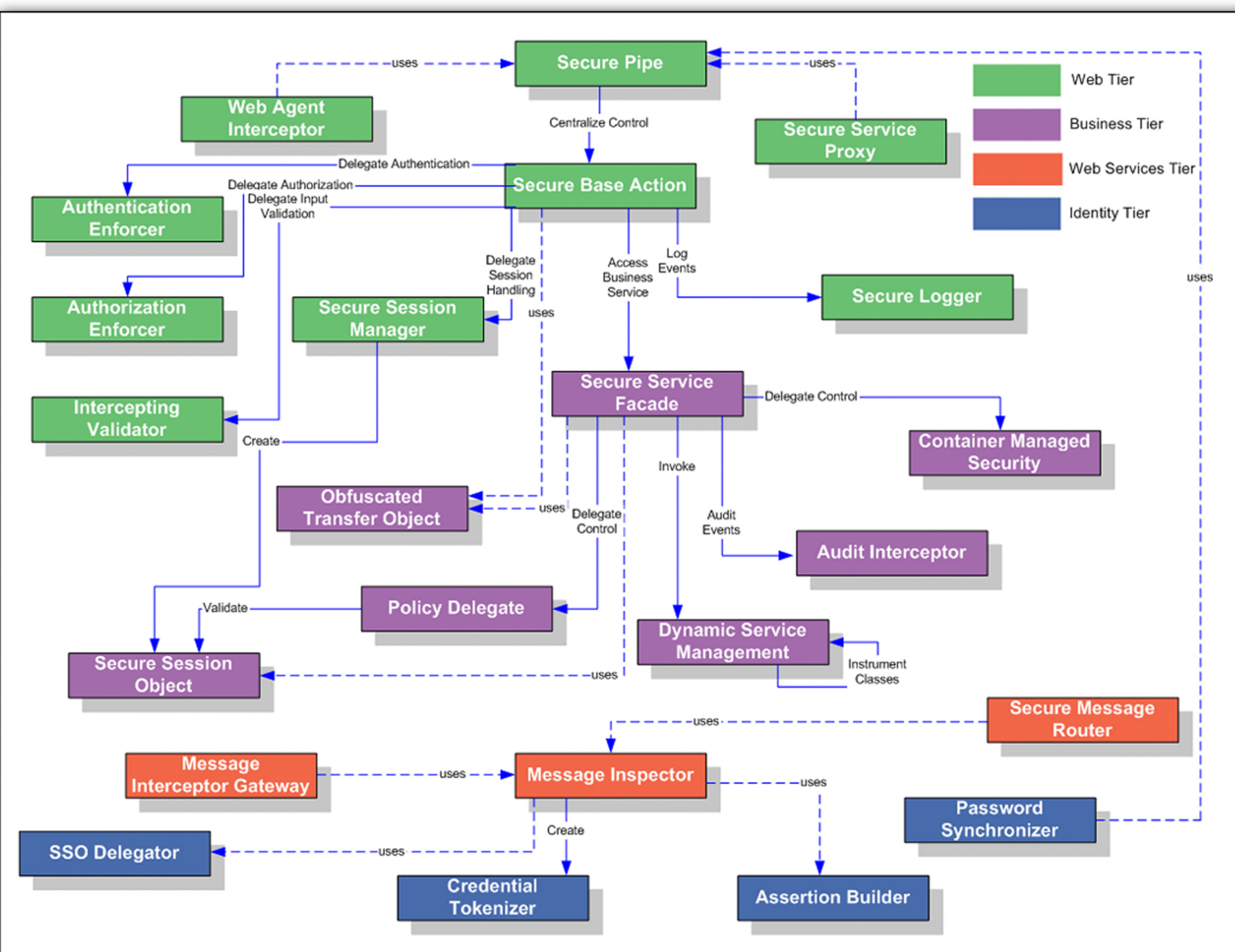
Pattern Name	Synopsis
Audit Interceptor	Capture security related events
Container Managed Security	Let the container manage security declaratively
Dynamic Service Management	Instrument code dynamically as needed
Obfuscated Transfer Object	Protect data passed around in transfer objects
Policy Delegate	Delegate security tasks to a helper
Secure Service Facade	Secure business tier access at the entry point in a Session Facade
Secure Session Object	Pass session state securely

Web Service Tier Patterns

Pattern Name	Synopsis
Message Inspector	Check for and verify XML security
Msg. Interceptor Gateway	Message intermediary that handles security tasks
Secure Message Router	Handles message security between multiple parties

Identity Tier Patterns

Pattern Name	Synopsis
Assertion Builder	Defines how an identity can be built
Credential Tokenizer	Defines a mechanism for encapsulating credentials in tokens
Password Synchronizer	Describes how to sync passwords for security service provisioning
SSO Delegator	How to handle legacy system SSO



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