Secure Coding Patterns

Use code architecture patterns to mitigate threats against system assets.

Artis-Secure creates secure patterns in the following areas.

* Data Validation
  + Defense patterns against Injection attack
  + Proper Regular Expression use
  + Good Output Encoding
* Authentication
  + Patterns for Basic, token-based, Two-factor/Multi-factor
* Authorisation
  + Patterns for Access-based, Role-based, Token-based
* Configuration
  + Secure patterns for accessing resources
  + Secure application configurations
* Sensitive Data
  + Patterns to send/receive Secrets
  + Good practice around Personally Identifiable Information (PII)
  + Secure use of Primary Account Data (PAN)
* Cryptography
  + Proper Encryption patterns (symmetric/asymmetric)
  + Use of Hash functions and Digital signatures
  + Good Key management
* Session
  + Secure patterns for session management
* Exception
  + Error handling patterns
* Logging
  + Secure logging