



Security Analysis of Core J2EE Patterns Project

What is the project about?

This project aims to dispense security best practices to developers to make security decisions during design. We focus on one of the most important concepts in modern software engineering: design patterns. Ever since the publication of the seminal Design Patterns Book, developers have reused common patterns such as Singleton and Factory Method in large-scale software projects. Design patterns offer a common vocabulary to discuss application design independent of implementation details. One of the most critically acclaimed pattern collections in the Java Enterprise Edition (JEE) community is the Core J2EE Patterns book by Deepak Alur, Dan Malks and John Crupi. Developers regularly implement patterns such as "Application Controller", "Data Access Object" or "Session Façade" in large, distributed JEE applications and in frameworks such as Spring and Apache Struts. We aim to dispense security best practices so that developers can introduce security features and avoid vulnerabilities independent of their underlying technology choices such as which Model View Controller (MVC) framework to use.

Who would use benefit from the project?

- Java EE developers/architects
- Source code security reviewers of Java EE applications
- Runtime security testers of Java EE applications

When would your project be used?

- During initial application design
- During new releases of an application
- During source code security review of Java EE applications
- During runtime security testing of Java EE applications