

Name: Prism

Presenter(s): Marija Mikic-Rakic and Vladimir Jakobac

Objective: To enable implementation and deployment of software architectures in highly distributed and possibly resource-constrained environments.

Rationale: Software architectures have been demonstrated useful for developing large-scale distributed systems. However, support for implementing and deploying software architectures is also required.

Target Users: Architects and developers of highly distributed, mobile, and possibly resource constrained systems.

Scope: Software architecture, implementation, deployment.

Project Type: Implementation infrastructure (Prism-MW), deployment environment (Prism-DE).

Runs On: Prism-MW runs on any platform that can run Java. Prism-DE on Windows platforms, requires Microsoft Visio 2000 or higher.

IPR Status: Copyright, Center for Software Engineering

Technical Approach: Prism-MW — Object oriented framework, Prism-DE — Visio extension

Developers: Marija Mikic-Rakic, Sam Malek, Vladimir Jakobac

Future Directions: Supporting multiple architectural styles

Demo Description: Demonstration of the infrastructure and supporting deployment environment in the context of simple example for military troops deployment.