


ECLIPSE RCP ADVANCED (adaptable to your needs)

Course Objectives	Audience	Pre-requisites	Duration
<ul style="list-style-type: none"> ✓ Reviewing the Eclipse RCP concepts ✓ Architecture best practices ✓ Mastering build headless ✓ Managing the application tests 	<ul style="list-style-type: none"> ✓ RCP developers ✓ Project managers ✓ Software Architects 	<ul style="list-style-type: none"> ✓ Knowledge of Eclipse RCP 	 Duration 1 to 3 days according to your needs

Advanced Architecture

- Reminders about OSGi
- Refresher lessons on OSGi
- Plugins vs OSGi bundles
- Architecture best practices
- Integration of third party libraries
- Native libraries management
- Plugin fragments
- Workspace organization
- Version management
- Eclipse 4 Architecture overview

- Presentation of the project
- The different pom files (Parent, plugin, feature)
- Implementation on a project

Jenkins

- Presentation of the project
- Jenkins configuration (Parameters and plugins)
- Integration of maven build into Jenkins

Tests with Eclipse

- Tests strategies
- Test tools : swtbot, junit
- Architecture for the tests
- Tests integration into the tycho and Jenkins delivery

Security

- Management of the authentication
- Role of the advisors
- OSGi UserAdmin bundle
- Plugins Interaction and authentication (Rights management)
- Plugging into an authentication mechanism
- Suggestions for the architecture

Advanced RCP concepts

- Jobs and UIJobs
- Data binding
- Adapters and adapter factories
- Drag and Drop, Clipboard management
- Commands / Actions / Operations
- Advanced viewers: managing big data

Manual Build

- Manual build using wizards
- RCP Delta pack
- Update site delivery
- Product delivery
- Limitations of the manual build

Headless build / Maven Tycho