

Eclipse IDE Expert Training

•Introduction into Java (Optional)Introduction into Java (Optional)

- History
- Java Virtual machine
- Java Runtime Environment vs. Java Development Kit
- Development with Java
- Classpath

•Java concepts (Optional)

- Classes, Interfaces and abstract classes
- Methods and Fields
- Static fields and methods

•Getting started with Eclipse (Optional)

- Starting and configuring Eclipse
- Creating Java projects and Editor usage
- Run Java program outside Eclipse

•Eclipse Code Generation and Refactoring

- Eclipse Code Generation
- Refactoring

•Eclipse Settings and work organization

- Java development preference settings
- Code Templates
- Work organization with Eclipse

•Java Practice (Optional)

- Java Collections
- Java I/O (Input / Output)

- Java and HTTP access
- Java XML processing

•Using Java Libraries and project dependencies

- Using project dependencies
- Java libraries

•Updating Eclipse and installing components

- Eclipse Update Manager
- Productive plug-ins for development
- Exporting and importing the installed components
- Installing features via the command line

•Debugging

- Breakpoints and Watchpoints
- Evaluating the Stack
- Variables
- Method, class load and exception breakpoint
- Advanced debugging tricks

•JUnit Testing

- JUnit 4
- Annotations
- Using Mock Frameworks

•Task management with Mylyn

- Concept of Mylyn
- Bugtracker integration
- Task switching and tasks context

•Extending the Eclipse IDE

- Developing Eclipse Plug-ins
- Deploying Eclipse Plug-ins
- Developing Eclipse Wizards