

THE BEST OF AGILE METHODOLOGIES

- This course provides an understanding of the primary agile software development methodologies through examining the techniques, outputs and workflow of each.
- The range of techniques that are considered the “best practices” across all the agile methodologies are examined in more detail. Real-world case studies are reviewed to appreciate their applied use.
- The technical explanation of these best practices is combined with interactive workshop sessions, exercises and examples.
- This course is a two-day training workshop designed for qualified/practicing software engineers, team leaders and software managers and can be tailored to meet specific requirements.

COURSE OUTLINE

DAY 1:

Agile Methodologies:

- Agile explained
- Agile manifesto
- eXtreme Programming (XP)
- Feature Driven Development (FDD)
- Scrum
- RAD/JAD
- Crystal

Best Management Practices:

- Release planning
- Development iterations 🌐
- Customer involvement 🌐
- Team structures
- Scope control

Practical Sessions:

- 🌐 Real-world case studies are reviewed to give further incite into the applied use of key techniques and mechanisms
- 👤 Hands-on workshop exercises are undertaken for these topics to gain a more practical appreciation

DAY 2:

Best Analysis Practices:

- JAD session 🌐
- Use case analysis 👤
- Domain object models

Best Design Practices:

- Architecture
- Design patterns
- Spike solutions 🌐
- Refactoring
- Class diagrams 👤
- Sequence diagrams 👤

Best Code & Test Practices:

- Automated build
- Automated testing 👤
- Test frameworks 🌐
- Peer review 🌐
- Continuous integration
- Acceptance tests



“ [liked/learnt] use cases, class diagrams, XP iterations and releases, general workflow of agile methods”
George Benko, Software Engineer – MetOcean Engineers

