



Agile Design, Architecture and Technical Leadership

Course Description

Most descriptions of Agile development gloss over the role of the architect/designer, but architects/designers are important to Agile projects and have critical contributions to make. Furthermore, design is done not just by the architects/designers. The level of design and architecture and the style and interaction of an architect/designer within an Agile team is quite different to that within a traditional team.

This course examines the values, principles and philosophy behind Agile architecture and design and looks at the technical leadership role that needs to be played through all phases of an Agile project. It covers the Agile approach to enterprise architecture, domain architecture and application architecture within an Agile project. This course also addresses the Agile design principles and the role of the architect (enterprise, solution, and application).

Prerequisites

Some understanding of Agile practices would be beneficial. For an introduction to Agile practices see our Taste of Agile course.

Course Outline

Basics of Agile architecture and technical leadership

- Agile architecture goals roles and responsibilities
- Agile architecture/design philosophy, principles and definitions
- Technical leadership in Agile projects

Enterprise and domain architecture

- Agile Enterprise architecture
- Agile Domain architecture

Architecture in Agile projects

- Architecture in Agile projects
- Concept phase
- Initiate phase
- Deliver phase
- Deploy phase

Tools, tips and tricks

- Smells, tips and tricks
- Tools

Method Used

Lecturing is kept to the minimum necessary, as most of the learning is achieved through applying the practices and techniques in group exercises.



Learning Objectives

By the end of this course, participants will be able to:

- understand the values, principles and philosophy behind Agile design and architecture
- understand technical leadership and the roles and responsibilities linked to it
- learn how to do Enterprise architecture in an Agile manner
- learn about Agile modelling and Agile domain modelling
- understand Agile solution design and application design
- provide technical leadership through all the Agile project phases (Concept, Initiate, Deliver, Deploy).

Target Audience

This course is intended for architects, senior developers, technical leads, iteration managers and senior testers.

Duration of course

2 days

Cost

AUD \$1650 inc. GST

NZD \$1750 + GST