IT Architecture
Introduction to IT Solutions Architecture

Why IT Solutions Architecture?

- Architecture is one of the fastest growing strategic IT/ Business disciplines that is currently the number one focus of large and medium enterprises globally.
- Solution Architectures take off where Enterprise Architecture leaves off and completes the building of solutions to fill the elements of the IT roadmap
- The Solution Architecture organizes the development effort and is responsible for the vision that underlies the solution and the execution of that vision into the solution.
- IT Solutions Architecture is a key, high value profession and one which provides immense value to Software development process. The Solutions Architecture has the ultimate responsibility for making the technologies work together.

Duration: 2 days

Class size: 10 students max

Times: 9:00am - 5:00pm

Price: *Refer to our website for current course and package pricing*

After the course?

Each student will receive:

- Certificate of completion
- Training manual
- 12 months FREE email support
- FREE class re-sit (if necessary)

Who Should Do This Course?

This course is intended for:

- IT / Business Professionals requiring a basic understanding of IT Solutions Architecture and frameworks
- Professionals who are working in roles associated with an architecture project such as enterprise architects, project managers, Solution architects, Application designers etc

Learning Outcomes

The learning objectives at this level focus on knowledge and comprehension. Upon successful completion of this course, participants will have:

- Understood the core principles of Solution Architectures
- Gained working understanding of process, approach and benefits of Solutions Architecture.
- Understood the critical gap among the key domains involved in solution delivery within any enterprise or business.
- Learnt the positioning of Solution Architectures such as J2EE, Dot Net, CISCO's SONA, SAP AF etc.

Content

Unit 1: Introduction

- What is IT architecture
- Differentiation between EA / SA and other IT architectures
- Why is IT solution architecture needed
- Why do you develop IT solution architectures
- How do you develop IT solution architectures

Unit 2: IT Solution architecture overview

- What is IT Solution architecture
- How does IT solution architecture link to IT Enterprise Architecture

Unit 3: Major types of IT solution architectures

- Proprietary solutions
- open solutions
- de-facto solutions
- industry vertical solutions

Unit 4: Practical Session

- **Enterprise Architecture vs. Solutions Architecture:** The roles of Enterprise and Solution architects are complementary and collaborative in nature. However these are generally misunderstood leading to IT solution architecture project failures. Through this exercise, the Participants learn to understand the obvious and not-so-obvious differences in these roles and the grey area of Enterprise Architecture to Solutions Architecture handshaking.

Unit 5: Characteristics of good IT solution architecture

- Fit for purpose
- Alignment to Enterprise Architecture
- Reliability
- Security
- Agility
- Manageability
- Extensibility
- Scalability

Unit 6: IT bespoke application solution architectures

- Categories
  - Vendor platforms
  - Open software platforms
- Implications
- Examples

Unit 7: IT package solutions architectures

- Categories
  - Enterprise-wide
  - Verticals
  - Specialised
- Implications
- Examples

Unit 7: IT integration solution architectures

- Categories
  - Business integration
  - Application integration
  - Data integration
  - Infrastructure integration
- Implications
- Examples

Unit 8: IT front end / desktop architectures

- Categories
  - Vendor architectures
  - Open architectures
- Implications
- Examples

Unit 9: IT SaaS / Cloud computing architectures

- Categories
  - Application cloud layer
  - Infrastructure cloud layer
- Implications
- Examples

Unit 10: IT Communication based architectures

- Categories
  - Infrastructure services
  - Application services
- Implications
- Examples

Unit 11: IT outsourcing / off shoring architectures

- Categories
    - Call centres
    - Data centres
    - Development centres
    - BPO centres
- Implications
- Examples

Unit 12: Practical Session

- **Selecting the right architecture:** In IT solution architecture, one often faces the challenges of selecting the right architecture. The criteria for such selection should focus on business value and fit as well as on the technical feasibility .The participants learn the process of setting the criteria and selection through this workshop.

Unit 13: IT Solution Architecture implementation techniques

- Practical hints
- Pitfalls and cautions
- Trade offs

Unit 14: Practical Session

- **Analysing complex hybrid architecture:** IT solution architectures can be quite complex especially if there involve hybrid technologies from several vendors. The student learns through this exercise techniques for analysing complexity and associated risks as well as work out mitigation strategies

Looking for course dates?

To view a full list of course dates, please visit our website at www.dynamicwebtraining.com.au
Alternatively please contact our office on 1300 888 724