

inspired!

Facilitating Desirable Business Change

Duration

4 days

Brief Description

The course is designed for application architects, solution architects, senior systems analysts, enterprise architects and integration architects who are, or who will become, actively involved in specifying, modelling, analysing and integrating application systems used in businesses. It is a skills course rather than a methodology course, designed to expose participants to leading techniques and ways of presenting models and results of analyses. It draws on our 30+ years experience in business and academia as well as industry best practice to deliver a valuable set of tools to equip application architects.

What Differentiates this Course?

There are now quite a few courses addressing Enterprise Architecture from a methodology point of view (e.g. Open Group TOGAF or Zachman). There are also courses that address specific vendor applications such as SAP, Oracle, Microsoft etc. The former lack detail on how to model applications architectures, how to analyse the resulting

Techniques and Deliverables of Application Architecture

models and strategies to achieve better solutions, integration and quality. The latter are too specific and do not address the broader issues of interfaces, interoperation and integration. Some are dated, not addressing cloud, containerisation and other current issues.

Moving from the conceptual level, through logical applications and down to physical applications and components, the course covers the levels of application modelling and management required to fully understand applications at an enterprise level. It also discusses existing and emerging technologies to help the organisation leverage application investment to strategic advantage, from high volume transaction processing, to decision support, from secure private data to distributed mobile applications. It further provides an introduction to the emerging fields of SaaS and cloud based applications.

Intended Audience

Typical candidates would include application architects, integration architects, enterprise architects, senior business analysts and



security and privacy specialists responsible for application related aspects. Those concerned with public applications (e.g. websites, portals, web services, mobile apps and applications) exposed outside your traditional user base will also benefit.

Course Overview

The course provides a set of techniques which assist the architect in understanding the context, the challenges, the opportunities, the risks and the strategic options of an enterprise's use and exploitation of applications and fashioning a coherent architecture and plan to realise the organisation's vision with respect to application support for business and processes.

Examples and selected short videos stimulate delegates to think beyond the norm and out of the box. We will connect delegates to sources of information for ongoing enrichment as well. Case study work in small teams allows delegates to perform analysis and devise architectures and strategies. Teams compete and learn from each other before experiencing another facet of the challenge.



Techniques and Deliverables of Application Architecture

The course stresses holistic consideration and the interplay of many factors that affect the outcome of architecture, modelling and design decisions.

Typical Coverage

Course content includes (subject to change):

Detailed coverage of application architecture, including:

- Logical Applications
- Interfaces and Services
- Logical and Physical Components
- Archimate™ depiction of applications and related concepts
- Reference Frameworks
- Portfolio management
- Linking applications to business processes, information and technology architectures
- Application Security
- Usability Considerations
- Application Integration Technologies and Strategies
- Typical Solution Architecture Patterns (Java, .net, LAMP)
- Interfacing standards, including Web Services (XML, WSDL, SOAP, UDDI) and REST/JSON
- Web applications and web services

- Mobile and Cloud Applications
- Example of Application Portfolio Management Tooling

Provided Materials

Delegates will be provided with high quality notes and links to media and references to pursue further investigation.

Location, Costs and Dates

This course is currently offered in the UK, Germany and South Africa. We expect to extend it to other locations in future. Please see schedule for dates, locations and price in local currency. Company specific courses can be arranged world-wide.

Comments from Past Delegates

“Separation of services and implementation good.”

“Blends Application Portfolio and Architecture aspects with Solution issues.”

“Great to see web, mobile and semantic technology covered.”

“Finally understand Web Services.”

“REST covered and contrasted with SOAP. Well done!”

“User experience importance made clear.”

“I can see how we can manage our applications as a portfolio for business value”

“The Open-API world was an eye-opener for me”

“Will help us design better solutions.”

“Integration technologies the highlight for me.”

Bookings and Further Information

Please write info@inspired.org, call +27 21 531 5404 or go to www.inspired.org to book or enquire.

Archimate is a trade mark of The Open Group. it provides a notation for expressing Enterprise Architecture models, including application aspects.