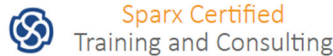
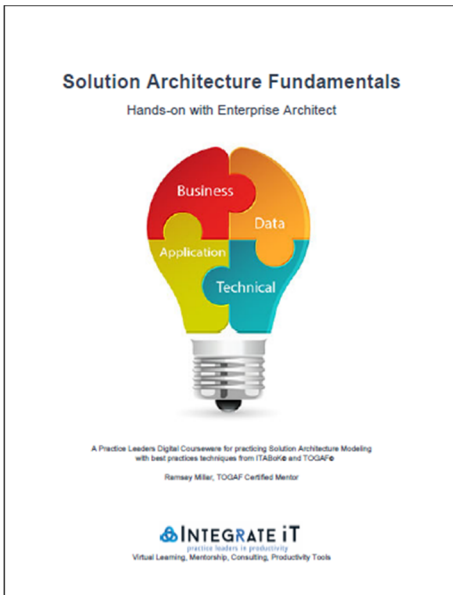


# Solution Architecture Fundamentals

## Hands-on with Enterprise Architect



### 2.5 days – Hands-on with Enterprise Architect



This intensive "hands-on" Workshop reveals the importance of developing UML modeling skills and productivity techniques. Work directly with a practice leader using the provided Course Workshops including Case Study.

This hands-on course is for solution architects, enterprise architects, and technical analysts who need to develop effective architecture modeling techniques and become confident in their hands-on modeling practice when using Enterprise Architect. Discover surprising ways to improve your productivity, methods, and techniques for UML modeling impact traceability for component, communication, sequence diagrams, and relationship matrices.

This workshop is focused on revealing techniques and practices to help you to deliver solution architecture models using using solution building blocks, digital services, datastores, patterns, and technical reference reuse catalogs to model, share, analyze, and document digital assets across application, data, and technology architecture landscapes.

We invite you to join Ramsay Millar, our globally recognized expert and Enterprise Architect SME, who uses Enterprise Architect during his consulting practice to assist his many clients to successfully collaborate and share solutions architecture transformation assets across the entire Digital Transformation Value Chain.

### What you'll Learn

Our expert instructor works closely with every student to personally ensure they fully grasp every lesson plan during the hands-on workshops sessions to ensure that the Certification is achieved

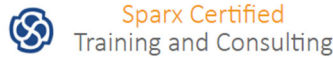
- Learn how to use Enterprise Architect to deliver effective models
- Learn which OMG UML diagram to choose to meet your specific modeling needs
- Practice using the Component model using building blocks
- Practice how to model business apps, datastores, infrastructure apps, and platforms
- Practice modeling a component design model
- How to model component interfaces and messages
- Modeling Datastores and dataflow diagrams
- Model the Deployment diagram
- Model how to trace from requirement to architecture building block
- Model how to trace architecture building blocks to design components
- Model how to trace design components to physical platforms
- Become practiced and confident in your use of Enterprise Architect



Virtual Learning, Mentorship, Consulting, and Productivity Tools

# Solution Architecture Fundamentals

## Hands-on with Enterprise Architect



### What you Receive

Experience the most comprehensive Virtual Learning available when you schedule your next event from INTEGRATE IT. Learn from a highly experienced consultant and mentor who reveals proven industry best practices and prepares you or your team to become highly skilled and confident in your use of Enterprise Architect by Sparx Systems. Please contact me immediately if you have any problems with your installation or course readiness.



Practice Leader, Mentor, Enterprise Architecture SME Ramsay Millar has delivered over 1,100 business and technology modeling project assignments and trained over 4,000 business architects, business analysts, enterprise architects, agile project managers, solution architects and software engineers since 2001. The professionals Ramsay has mentored appreciate his common sense, wide industry skills, and the direct experience he brings to the show. [Connect with me on LinkedIn](#)



Link with your Browser to your personal Practice Leaders eBook on Device 1 (Windows 10 dual screen, Windows Tablet or PC) to view, search, print, and make notes on your personal eBook. The Practice Leaders eBook contains practical steps required to deliver your next modeling project using Enterprise Architect. Your eCourse is tightly linked to the EA Repository Case Study



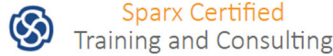
**Download and install** the supplied **EA Case Study to your Desktop** on a Windows 10 (Enterprise Architect and Zoom enabled PC). The **EA Case Study** and additional course resources contain everything you need to get started including re-useable Repository, Project and Document Templates, Diagram Stencils, and real-world consulting Case Study examples.



Virtual Learning, Mentorship, Consulting, and Productivity Tools

# Solution Architecture Fundamentals

## Hands-on with Enterprise Architect



### Course Syllabus

#### **Enterprise Architect Getting Started**

1. Getting Started
2. Customizing your Workspace – Let's Practice!
3. What's an Enterprise Architecture Repository?
4. Modeling Best Practices
5. START – Searching the Model – Let's Practice!
6. DESIGN - Mastering diagrams – Let's Practice!
7. LAYOUT - Themes and Appearance – Let's Practice!
8. DEVELOP – Database Modeling
9. PUBLISH – Publish Documentation
10. SIMULATE – Business Process Simulation
11. SPECIALIZE - Microsoft Office Integration
12. CONSTRUCT – Kanban
13. EXECUTE - Code Execution
14. CONFIGURE – Security, Groups, Permissions
15. Enterprise Architect – Model, Share, Engage, Collaborate

#### **Solutions Architect**

1. Solution Architecture best practices
2. Select Reuse Frameworks
3. Solution Architecture Overview
4. Business Footprint – Let's Practice!
5. Reuse Catalogs – Let's Practice!
6. Solution Building Blocks – Let's Practice!
7. Component Architecture Model – Let's Practice!
8. Architecture Contract Requirements – Let's Practice!
9. Relationship Matrix View – Let's Practice!
10. Resolve impacts and Traceability – Let's Practice!
11. Document Solution Architecture Definition
12. Conduct formal stakeholder review

#### **Data Architecture**

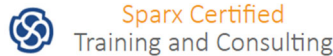
1. Data Architecture Best Practices
2. Select Reuse Frameworks
3. Data Architecture Reuse Template – Let's Practice!
4. Stakeholder Analysis
5. Data Architecture Overview
6. Concept model – Let's Practice!
7. Solution Building Blocks – Let's Practice!
8. Logical Data Model – Let's Practice!
9. Architecture Contract Requirements– Let's Practice!
10. Tracing Impacts and Requirements– Let's Practice!



Virtual Learning, Mentorship, Consulting, and Productivity Tools

# Solution Architecture Fundamentals

## Hands-on with Enterprise Architect



11. Physical Data Model – Let's Practice!
12. Transform Logical to Physical Data Model – Let's Practice!
13. Reverse Engineer a Database – Let's Practice!
14. Generate DDL – Let's Practice!
15. Generate Data Dictionary – Let's Practice!

### Certifications

Our expert instructors work closely with every student to personally ensure they fully grasp every lesson plan during the hands-on workshops sessions to ensure that the Certification is achieved.



- Sparx Systems Enterprise Architect Certification
- Certificate of Education Credits

### Who needs to Attend

- Solution Architects, Enterprise Architects, Technology Architects, Project Managers, Business Systems Analysts, Systems Analyst, Software Engineers,

### Testimonials

*"Even though Enterprise Architect is an extremely powerful tool and more feature rich than all the competing products we have reviewed in our RFP, it is hard to apply it without proper mentorship delivered by Ramsay Millar." – Marc Ginns, Chief Enterprise Architect, Duke Energy*

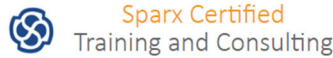
*"The Solutions Architect Toolbox stencils provided by INTEGRATE iT during the course saved thirty architects at our Fortune 10 Insurance company many months of standards work and setup time, we began our critical project immediately after training. There isn't a week that goes by when I'm not using one of the productivity tools and techniques to help solve problems, speed things or make my team more productive." - Enterprise Architect, Mass Mutual, Hartford CT*



Virtual Learning, Mentorship, Consulting, and Productivity Tools

# Solution Architecture Fundamentals

## Hands-on with Enterprise Architect



### INTEGRATE IT Capability Statement

INTEGRATE IT is dedicated to assisting you to build better business solutions. Our proven mentors, techniques, and tools align business and IT solution outcomes by reducing risks while improving value. We orchestrate virtual learning, consulting, and productivity tools that harmonize Business Models, Enterprise Architecture, Process Improvement, Agile Project Management, and Software Solutions. Our highly skilled people have assisted 110 of the Fortune 500 companies, completed over 200 business modeling and IT alignment assignments, and trained over 5,000 business architects, business analysts, enterprise architects, project managers, and software engineers. Our organization follows a proven approach that is effective for all stakeholders across many business sectors.

We maintain our good reputation of providing professional mentorship and skills development by:

- Ensuring alignment of business needs that drive digital solution outcomes
- Improving business process modeling outcomes
- Improving lifecycle of business modeling, architecture, requirements, design to software delivery
- Reducing time needed to complete requirements gathering and software delivery projects

We focus on expertise and are tools agnostic, so we deliver our courses without or with tools. We endorse Sparx Systems Enterprise Architect to our clients looking for model driven approaches to greatly improve productivity. Every day we deliver to make you successful and assist you meet your project needs and budget in these areas:

#### Professional Services

- ✓ Business Architecture
- ✓ Business Analysis
- ✓ Business Case Preparation
- ✓ Business Process Improvement
- ✓ Disciplined Agile Delivery
- ✓ Course Development
- ✓ Enterprise Architecture
- ✓ Kanban Management Method
- ✓ Management Consulting
- ✓ Model Based OOAD Software Engineering
- ✓ Rapid Assessments
- ✓ TOGAF® Deployment Projects

#### Enterprise Architecture Courseware

- ✓ Business Analysis Fundamentals
- ✓ Business Modeling Fundamentals
- ✓ BPMN® Process Modeling
- ✓ Communication Skills for Enterprise Architects
- ✓ Information and Data Modeling
- ✓ Digital Transformation Workshop
- ✓ Disciplined Agile Delivery for Teams
- ✓ Dev Ops (OOAD) for Teams
- ✓ Requirements Management
- ✓ Solution Architecture Fundamentals
- ✓ TOGAF® Exam Prep mentorship
- ✓ TOGAF® Architecture Development

#### Enterprise Architect Repository

- ✓ Architecture Repository Setup and Training
- ✓ Custom Metamodel and MDG Development
- ✓ Integrations, Data Harvesting, Migrations
- ✓ Prolaborate EAcloud POC (Azure, AWS)

#### Value-add Resellers

- ✓ Ability Engineering - EADocX
- ✓ Ability Engineering - Model Expert
- ✓ Sparx Systems - Enterprise Architect
- ✓ Sparx Systems – Prolaborate, PCS



Virtual Learning, Mentorship, Consulting, and Productivity Tools