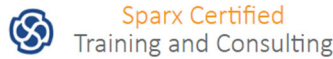


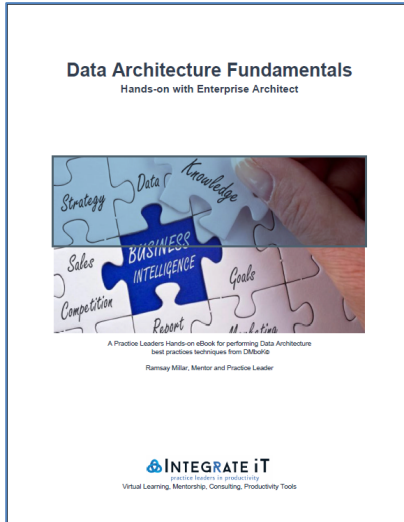
Data Architecture Fundamentals

Hands-on with Enterprise Architect



Virtual Learning and Mentorship

2 days



Not sure where to start with Data Architecture? What's the relationship between business intelligence, artificial intelligence, concept model, logical, and physical data models? Why are all well-formed information modeling skills so necessary to deliver effective business intelligence, artificial intelligence, operational record keeping solutions. This course provides the insights and practice you need to enhance your skills.

This "hands-on" Workshop reveals the importance of developing well-formed approaches and techniques to develop data and information models. Work directly with a practice leader using Let's practice hands-on Workshops that pragmatically apply industry best practice techniques using Enterprise Architect.

Modeling consistent and readable concept, logical, and physical data models is essential to any enterprise architecture, portfolio management, business analysis, requirements, and process improvement activity. You will practice how to apply the correct modeling techniques to share with business users, business rules analysts, business analysts, and solution architects.

Experience hands-on business concept modeling, logical and physical data modeling and learn how to apply Enterprise Architect on your very next project. Discover surprising ways to improve your skills and techniques as practiced by leading experts in the field. Save time under the watchful eye of a practice leader with many years of in-depth experience consulting and mentoring teams to Data Architecture projects. Master Enterprise Architect to save time and become confident in your use and mastery of Enterprise Architect.

What you will Learn

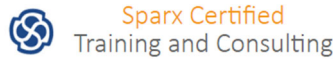
Our expert mentor Ramsay Millar works closely with every student to personally ensure they fully grasp lesson plans during the many hands-on workshop sessions.

Practice Hands-on Data Modeling

- Practice hands-on workshops using Enterprise Architect to become confident using Enterprise Architect
- Learn the key approaches to perform Data and Information modeling
- Learn best practice techniques based upon the Data Management Book of Knowledge (DMNBoK)
- Practice Concept modeling to capture the semantics of a business area
- Practice Logical Data Modeling to gather requirements
- Practice Physical Data Modeling
- Reverse Engineer a Database
- Generate a Data Dictionary
- Trace the impacts of change and how data impacts all domains
- Generate a Data model Website using Enterprise Architect

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What you will 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.

Ramsay.Millar@in2grateit.com or call 1 (541) 645-0016



Mentor

Your Mentor and Practice Leader - 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 [Ramsay Millar](#) be endorsed for completing your Course.



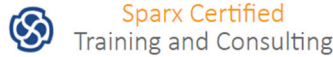
Screen 1 - Download and install the supplied Enterprise Architect Case Study to your Desktop. The Repository and additional course resources contain everything you'll need to get started including re-useable Repository, Project and Document Templates, Diagram Stencils, and real-world consulting Case Study examples. Run Zoom on Screen 1 for real-time mentor screen support and sharing.



Screen 2 – Using a Browser Link to your personal Practice Leaders eBook on to view, search, print, and make notes on your eBook. The Practice Leaders eBook contains practical steps required to deliver your next modeling project using Enterprise Architect. Your eBook is tightly linked to the Enterprise Architect Case Study

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Hands-on with Enterprise Architect



Course Outline

Getting Started with Enterprise Architect

1. Introduction
2. Login to the ALLin1 EA Repository – Let's Practice!
3. What is an Enterprise Architecture Repository? – Let's Practice!
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

Data Architecture Fundamentals

1. Data Architecture best practices
2. Data Architecture Overview
3. Business Capability model – Let's Practice!
4. Concept model – Let's Practice!
5. Solution Building Blocks – Let's Practice!
6. Logical Data Model – Let's Practice!
7. Data Requirements – Let's Practice!
8. Physical Data modeling – Let's Practice!
9. Reverse Engineer a Relational Database Let's Practice!
10. Generate a Data Dictionary – Let's Practice!
11. CRUD Matrix – Let's Practice!
12. Creating Tables, Attributes, and Foreign Keys – Let's Practice!
13. Creating Indexes, Triggers, Procedures – Let's Practice!
14. Generate Documentation – Let's Practice

Data Architecture Fundamentals

Hands-on with Enterprise Architect



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

Business Analysts, Business Architects, Enterprise Architects, Solution Architects, Software Engineers, QA Testers, Project Managers, and students

Testimonials

"It has been nearly impossible to figure out how to use Enterprise Architect to manage a real project. INTEGRATE iT involved the entire project team and we are saving time and producing quality requirements within one week"
– Director, Agile Software Delivery

"The Business Analyst Toolkits provided by INTEGRATE iT during the course saved twenty business analysts at our Fortune 10 Healthcare 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 to help solve problems, speed things or make my team more productive." - Fiona Lindberg, CBAP – McKesson Health Systems

"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 Millart." – Marc Ginns, Chief Enterprise Architect, Duke Energy

[Healthcare Transformation Case Study](#)

[Closing the Gap – Dr Dobbs Interview](#)

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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

