DIGILEAF INC.

Leading Excellence Among Fellows

Course Outline

Enterprise Architecture Learning Track

Data Architecture

This course discusses data architectures and designing information structure necessary in building solutions. This course covers how to organize/structure data, and domain modeling. This course also includes the mapping of the business glossary with data dictionary.

Training Objectives

1. Describe data architecture principles.
2. Prepare data architecture catalogs, matrices, and diagrams.
3. Create data architecture deliverables.

Target Audience

- Business Architects
- Enterprise Architects
- Anyone who will be involved in creating/maintaining data architecture.

Learning Methodologies

- Interactive Lecture/Demonstration
- Workshops

Duration 3 day(s)

Topics

I. Principles of Data Architecture
II. Objectives
III. Approach
    a) Key Considerations for Data Architecture
IV. Inputs
    a) Reference Materials External to the Enterprise
    b) Non-Architectural Inputs
    c) Architectural Inputs
V. Steps
    a) Select Reference Models, Viewpoints, and Tools
    b) Develop Baseline & Target Data Architecture Description
    c) Perform Gap Analysis
    d) Define Candidate Roadmap Components
    e) Resolve Impacts Across the Architecture Landscape
    f) Conduct Formal Stakeholder Review
    g) Finalize the Data Architecture
    h) Create Architecture Definition Document
VI. Outputs
VII. Catalogs
    a) Data Entity/Data Component Catalog
VIII. Matrices
    a) Data Entity/Business Function matrix
    b) System/Data matrix
IX. Diagrams
    a) Class diagram
    b) Data Dissemination diagram
    c) Data Security diagram
    d) Class Hierarchy diagram
    e) Data Migration diagram
    f) Data Lifecycle diagram