IT Architecture Management

Course Description

In addition to concrete IT projects, such as the development of a new IT system or the introduction of standard software, a strategic management system for organizational-wide IT infrastructure – that is, for all IT hardware and software systems – must be used.Strategic management is the responsibility of the IT enterprise architect, who operates IT architecture management. Their task is to strategically align IT infrastructure with an organization's business and IT strategy.This course covers the typical concepts, methods, procedures, and IT models of architecture management.

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1. Basic Terms and Foundation for the Management of IT Enterprise Architectures
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   2. Goals of Enterprise Architecture Management
   3. Processes in the Management of IT Enterprise Architectures
2. IT Application Portfolio Management
   1. IT Application Portfolio Management Overview
   2. Application Manual
   3. Portfolio Analysis
   4. Development Planning
3. Architecture Governance
   1. Organizational Structure
   2. Policy Development and Enforcement
   3. Project Support
4. Modeling of IT Enterprise Architectures
   1. Models in the Context of IT Architecture Management
   2. Forms of Documentation for Processes and Applications
   3. Forms of Documentation for Systems and Technologies
5. Frameworks Using the Example of TOGAF

5.1 Fundamentals and Use of IT Architecture Frameworks

1. Overview and Categories of EAM Frameworks
2. The Open Group Architecture Framework (TOGAF)
3. Reference Models and Sample Catalogues

6.1 Architecture Reference Models

1. EAM Design Sample Catalogue