LEAD Enterprise Architecture Framework

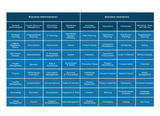
The complex task of aligning business strategy into Business Architecture, operational processes into Value Architecture and applications into a Solutions Architecture

Business Modelling

BUSINESS MODEL LEVEL 1
- Business Model with Value Chain view.
- Business competencies which produce internal and external value.
- Business Architecture strategy.
- Strategy Map alignment.

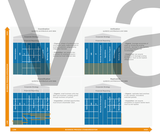
BUSINESS MODEL LEVEL 2
- Business Model with business competency groups.
- Business Architecture alignment.
- Strategic Anchoring.
- Scorecard Map alignment.

BUSINESS MODEL LEVEL 3
- The company's operational Business Model competencies described in more detail.
- Business Architecture alignment.
- Core Competitive and Core Differentiated business competency prioritisation.



PROCESS LEVEL 1
- Main management or support processes with focus on whole company.
- Define Operating Model.

PROCESS LEVEL 2
- Process Groups with focus on (for example) department level, etc.
- Define Operating Model of process groups.



PROCESS LEVEL 3a
- Business processes will be described as a set of level 3 processes (sub process) and are the starting point of SAP process cycles.

PROCESS LEVEL 3b
- Process variants mapped to To-Be processes to SAP Solutions.
- Define Network Solution Architecture flow including On Device, On Demand, and On Premise.

PROCESS LEVEL 4a and 4b
- Process Steps and Variants needed to map To-Be processes to SAP Solutions.
- Define Business Objects.
- Define how to implement network qualities in application and technical components.

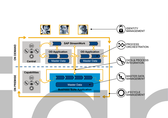
Application Modelling

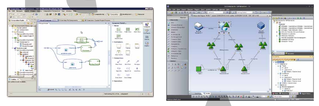
PROCESS LEVEL 5a and 5b
- Process Activities and Variants.
- Define Network Solution Architecture design.
- Define activity process flows and identify (data) objects.

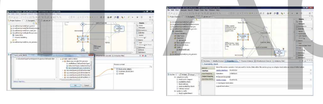
APPLICATION LEVEL 1
- Identify service components and design component solutions.

APPLICATION LEVEL 2
- Map service components to both On Device, On Demand, and On Premise application services.

APPLICATION LEVEL 3
- Execute On Device, On Demand, and On Premise application services.

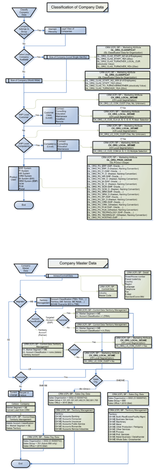






Data Modelling

DATA LEVEL 1
- Determine data used by On Device, On Demand, and On Premise application services.

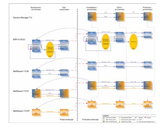


Technology Modelling

TECHNOLOGY LEVEL 1
- Identify service components and design component solutions.

TECHNOLOGY LEVEL 2
- Map On Device, On Demand, and On Premise component solutions to hardware.

TECHNOLOGY LEVEL 3
- Execute On Device, On Demand, and On Premise solutions.



OVERALL STRATEGIC ANCHORING
- Assess Maturity Level.
- Understand Business Model (value chain view).
- Corporate Strategic Business Objectives (SBO's).
- Company's management models.
- Core Competencies.
- Responsible.
- Capture Strategy Map.

STRATEGIC ANCHORING
- Department Strategic Business Objectives (SBO's).
- Critical Success Factors (CSF's).
- Core Competencies (Differentated and Competitive).
- Cost and Revenue.
- Performance and Value Driver definition.
- Identify Balanced Scorecard.

OPERATIONAL BUSINESS MODEL
- Critical Success Factors (CSF's).
- Key Performance Indicators (KPI's) - Strategic and Tactical.
- Core Competencies (Differentated and Competitive).
- Value and Performance opportunities.
- Define Business Transformation needs.
- Define Application enablement needs.
- Apply the 12 Performance & Value Measurement Characteristics to the Value Map.

BUSINESS AREA
- Identify management primary and supporting process.
- Document management primary and supporting process flow.
- Document process relations.
- Document process input and output (match to KPI's).
- Key Performance Indicators (KPI's) - Tactical.

PROCESS GROUP
- Identify different end-to-end processes.
- Define VCD (Value Chain Diagram) Process Models.
- Identify process ownership (eventually).
- Document process input and output.
- Key Performance Indicators (KPI's) - Operational.

BUSINESS PROCESS
- Identify High Value and Low Value Processes.
- Prioritize processes according to business goals.
- Define level of process standardization and integration (Operating Model).
- Document process cycles "end-to-end" with input and output simulations (define PPI's).
- Apply the 12 process parameters.
- Process Performance Indicators - Volume and/or Efficiency.

BUSINESS PROCESS VARIANT
- Document process variants with static and dynamic simulation and optimization (define PPI's).
- Apply Netweaver BPMN process metamodel parameters.
- Define monitoring & measurements link to Scorecard.
- Process Performance Indicators - Volume and/or Efficiency.
- Define level of process standardization and integration (Operating Model).

BUSINESS PROCESS STEP & VARIANTS
- Define EPC (Event-driven Process Chain) Models.
- Apply process value and performance, flow and RACI model.
- Document process steps with static and dynamic simulation and optimization (define PPI's).
- Apply Composite Application process characteristics.
- Define Process Monitoring and Measurements.
- Process Performance Indicators - Time, Quality and/or Cost.

ACTIVITY & VARIANTS
- Identify Business Objects.
- Identify Domain Services.
- Create Business Object Model.
- Create Process Component Model.
- Identify PPI and Execution Monitor.
- Process Performance Indicator - Time, Quality and/or Cost.

TASK
- Define Screen flows.
- Define Business Rules.
- Define Domain Services.
- Identify Application Services.
- Identify roles.

APPLICATION SERVICE
- Identify applications for application services.
- Map application services to domain services.
- Identify Service Monitor.
- Apply Business Rules to Services.

APPLICATIONS
- Identify Communication Application to Application.
- Define Interface Landscape.
- Define Application Landscape.
- Define Solution Building Blocks.
- Define On Device Applications.
- Define On Demand Applications.
- Define On Premise Applications.

BUSINESS OBJECTS
- Identify business objects and data entities.
- Define meta data and data dictionary.
- Apply Masterdata Harmonization and Standardization.
- Define data model.

PLATFORM SERVICES
- Define Platform Services.
- Compose Platform Services to technology components.
- Define Platform Services flowsequence.

PLATFORM
- Map Technology Components to platform.
- Define On Device positioning.
- Define On Demand positioning.
- Define On Premise positioning.
- Define Platform Landscape.
- Define Transport and distribution Landscape.
- Define Solution Building Blocks.

INFRASTRUCTURE
- Map Platform landscape to Infrastructure
- Define Hosting.
- Define Virtualization infrastructure.
- Define High-availability Infrastructure.
- Define On Device Infrastructure.
- Define On Demand Infrastructure.
- Define On Premise Infrastructure.

Business Architecture → **Information Systems Architecture** → **Technology Architecture**

Value Planning → **Value Identification** → **Value Creation**

Value Realization → **Value Governance & Continuous Value Improvement**

Business Governance → **IT Governance**

Business Model Governance → **Process Governance** → **Application Governance** → **Infrastructure & Platform Governance**

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