Building strong organizations

NAF Insight

8 maart 2012
Harmen van den Berg
Let’s get to know each other!

Raise your hand:

- Who is TOGAF9 certified?
- Who is TOGAF8 certified?
- Who has ever attended a TOGAF training course?
- Who is ArchiMate certified?
- Who is using ArchiMate?
- Who has heard of ArchiMate before this seminar?
- Who is a business or IT architect?
- Who just discovered he or she is in the wrong room?...
And the speaker is...

- Harmen van den Berg
  - Manager BiZZdesign
  - Responsible for the BiZZdesign EA proposition
  - Trainer for ArchiMate and TOGAF training courses
BiZZdesign in one slide...

**Tools**
- Design tools for EA and BPM
- Monitoring tools for Governance
- Publication via InSite Portal
- Powerfull
- User friendly

**Consultancy**
- Architecture, Business and IT
- Project Management
- Design / modeling
- Experienced
- Certified

**Best practices**
- ArchiMate®
- TOGAF™
- Reference models
- Practical
- Open standards

**Training**
- Foundation
- Practitioner
- Certification
- Accredited by The Open Group
- Personal attention
- Practical focus

BiZZdesign now in Leaders Quadrant of Gartner MQ EA Tools!

www.bizzdesign.com
This presentation...

- Will give you the highlights of the new ArchiMate 2.0 standard
  - Changes to ArchiMate 1.0, the core language
  - The Motivation Extension
  - The Implementation and Migration Extension
  - Relation to TOGAF9
- Will give you an overview of the certification program
  - Training accreditation
  - People certification
  - Tool certification
What is Enterprise Architecture?

- A discipline, with the objective of steering changes
- A product
  - A design that shows the coherence between products, processes, organisation, information supply and infrastructure, based on a vision and certain explicit starting points, principles and preferences
- A process
  - Way of working
  - Aimed at the development and use of enterprise architectures within an enterprise
  - With people and resources
Ingredients of an EA Approach

TOGAF

Process

Viewpoints

Language

Enterpise Continuum, Repository, Reference Models

ArchiMate

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The ArchiMate Language

A basis for

High-level modelling within domains

Modelling relationships between domains

Relating models to standards

Visualizations

Analysis

ArchiMate language
What’s new in ArchiMate 2.0

- A large number of minor corrections in the ArchiMate core
- Two additional core concepts:
  - Location
  - Infrastructure Function
- Two optional extensions:
  - Motivation extension
  - Implementation & Migration extension
Summary of ArchiMate 2.0 Core

- Representation
- Business service
- Business interface
- Business role
- Business actor
- Location
- Data object
- Application service
- Application interface
- Application component
- Infrastructure service
- Infrastructure interface
- Node
- Network

Passive structure | Behavior | Active structure
Example of Location Concept (1)
Example of Location Concept (2)
Example of Infrastructure Function

- Data access
- Data management
- Providing data access
- Managing data

DBMS
ArchiMate Motivation Extension

- Mainly addresses the needs of the early TOGAF phases and the Requirements Management process
- Models stakeholders, drivers for change, business goals, principles and requirements, and their relationships
- Inspired by standards and existing techniques such as OMG’s Business Motivation Model, KAOS, i*
- Supports traceability between motivations and other architectural components
ArchiMate Motivation Extension
Influence Relationship

- Reduce interaction with customer
- Assign personal assistant
- Provide online portfolio service

- Improve portfolio management

- Increase customer satisfaction

- Systems should be customer-facing
The meta model
Mainly addresses the needs of the later phases of the TOGAF ADM cycle

Supports
- Management of individual projects and project portfolios
- Gap analysis
- Transition and migration planning
ArchiMate Implementation & Migration Extension
Example Implementation & Migration

Baseline

Front Office
- FO web hosting server
- Web portal
- General CRM System
- FO general-purpose server
- Legal Expense CRM System

Back Office
- Home & Away Policy Administration
- Home & Away Financial Application
- Auto Insurance Application
- Legal Expense Back-Off System
- ArchiSurance general-purpose server cluster
- Auto general-purpose server
- Legal Expense general-purpose server

Target

Front Office
- FO web hosting server
- Web portal
- General CRM System
- FO general-purpose server

Back Office
- ArchiSurance Back Office Suite
- ArchiSurance general-purpose server cluster
- ArchiSurance back-up server cluster

Legend
Difference between plateaus
- both in Baseline and Target
- only in plateau Baseline
- only in plateau Target
More complex plateau / project view

Scenario 1a: new product first, next integrated asset management -> higher integration cost, but earlier revenues (see canvas)
Scenario 1b: (preparation for) integration first

Scenario 2a: Introduction of internet channel in parallel with integration (risk of dependencies, higher cost)
Scenario 2b: integration first (takes more time)

Decision 1: Asset integration before or after introduction of ABC mutual fund

1a ABC high-revenue mutual fund
1b Set-up integrated asset management

Decision 2: Internet channel implementation in parallel or afterwards

Baseline

Decision 3: Integration or monitoring

3a Integrated ordering and reporting A
3b Real-time monitoring and reporting A

Decision 3: Integration or monitoring

3a Integrated ordering and reporting B
3b Real-time monitoring and reporting B
The meta model

© The Open Group

Plateau

triggers

realized by

realizes

associated with

Gap

Behavior element

Work package

triggers / flow to

triggers by / flow from
Summary ArchiMate

- *Language* for describing enterprise architecture
- Covers business, application and technology
  - With relations between these layers
- Extensions for
  - Motivation
  - Migration and implementation
- Graphical language with formal semantics, enabling analysis and tool support
- Techniques for *visualization* and *analysis*, aimed at various stakeholders
- Open standard maintained by The Open Group
TOGAF ADM and ArchiMate 2.0

Phase A: Architecture Vision
Phase B: Business Architecture
Phase C: Information Systems Architectures
Phase D: Technology Architecture
Phase E: Opportunities & Solutions
Phase F: Migration Planning
Phase G: Implementation Governance
Phase H: Architecture Change Management

Preliminary

Archimate 1.0

Information | Behavior | Structure | Motivation

Business layer
Application layer
Technology layer
Implementation & Migration
Certification

- **People certification**
  - To ensure that people are knowledgeable about ArchiMate
  - Results in becoming ArchiMate certified @ The Open Group
  - Requires training course from an accredited training provider
    - Successfully complete a practical exercise during the training
    - Successfully complete a multiple choice exam during the training
    - Examination is only available as part of an accredited ArchiMate training course

- **Training accreditation**
  - Only accredited training providers can provide certification

- **Tool certification**
  - To guarantee that tools support the ArchiMate language
Minimal requirements for ArchiMate tools:

- **Concept Coverage**
  - All concepts from Core and Extensions

- **Relationship Coverage**
  - All relationships from Core and Extensions

- **Language notation**
  - Notation, syntax and semantics
  - Nesting as alternative for relations

- **Viewpoint support**
  - All viewpoints supported
  - Reuse objects and relations on different views
  - Different graphical notations on different views

- **Language extension mechanism**
  - Adding attributes and specialisations of concepts and relations
Recommanded capabilities of ArchiMate tools:

- Concept Coverage
  - Predefined specialisations
  - Additional concepts (outside ArchiMate)
- Relationship Coverage
  - Predefined specialisations
  - Additional relationships (outside ArchiMate)
- Language notation
  - Alternative notations
- Other capabilities
Current status (March 6, 2012)

- Accredited ArchiMate 2.0 training courses
  - BiZZdesign ArchiMate 2.0 training
- Certified ArchiMate 2.0 tools
  - BiZZdesign Architect
- Certified architects in ArchiMate 2.0
  - 61 public certifications
More information?

- ArchiMate: [www.opengroup.org/archimate](http://www.opengroup.org/archimate)
  - Information on the ArchiMate language
  - Free download of the ArchiMate specification (html or pdf)
  - Information on certification

- Van Haren publishers: [www.vanharen.net](http://www.vanharen.net)
  - Pocket guide ArchiMate
  - ArchiMate 2.0 specification (hard copy or ePub)

- BiZZdesign: [www.bizzdesign.nl](http://www.bizzdesign.nl) / [www.bizzdesign.com](http://www.bizzdesign.com)
  - Information on our training offerings
  - Information on the tool Architect
  - Information on our consultancy offerings
Thanks!

- Thank you for attending this presentation!
- Feel free to contact me if you have any questions or remarks
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Training offering BiZZdesign

- 1 day Foundation training ArchiMate
  - Only the core language

- 2 day training ArchiMate Core and Extensions
  - Both core language and extensions
  - Including examination and certification

- 3 day training ArchiMate Core, Extensions, and Architect
  - Both core language and extensions
  - Including examination and certification
  - Including Foundation training BiZZdesign Architect

- Update training for those familiar with ArchiMate 1.0
  - Follow the 2 day training ArchiMate Core and Extensions
Training offering BiZZdesign

To participate,
- go to www.bizzdesign.nl/academy
- go to www.bizzdesign.com
- E-mail to academy@bizzdesign.nl

First courses
- February 21, 22 and 28 in Amersfoort, the Netherlands
- March 28, 29, and 30 in London, UK
- Second day is tool training ArchiMate
BiZZdesign Architect

- Architect supports ArchiMate 2.0
- Tool to model, visualize, analyze and communicate architectures
  - Easy to use with powerful functionality
  - Delivers added value both for individual architects as for teams of architects
- Completely adjustable meta model, ArchiMate 2.0 compliant
- Architect is ArchiMate® and TOGAF® -certified