

A Practical Approach to Implementing TOGAF Using the ARIS Platform



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Purpose of Presentation

Presentation Objectives

- Provide the audience with some insight into an approach for implementing the ARIS Platform in support of TOGAF
- Will not attempt to provide a detailed method for applying TOGAF, but only some points to consider when implementing ARIS to support TOGAF

Target Audience

- Architecture communities who are considering or have decided to apply the ARIS Platform to implement TOGAF
- ARIS users who are considering or who have decided to implement TOGAF









Agenda

- 1 Introduction to TOGAF
- 2 Introduction to ARIS Platform
- 3 Approach for Implementing TOGAF in ARIS
- 4 Forthcoming Attractions
- 5 Closure



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Introduction to TOGAF

The Open Group Architecture Framework (TOGAF) is a framework - a detailed method and a set of supporting tools - for developing an enterprise architecture.



Components

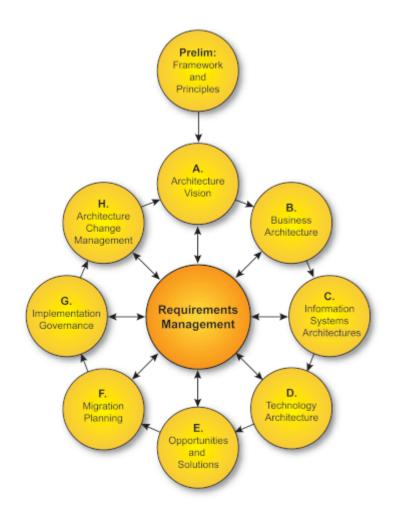
- ADM This is the core of TOGAF. It describes the TOGAF Architecture
 Development Method (ADM) a step-by-step approach to developing an
 enterprise architecture.
- Enterprise Continuum A virtual repository of architecture assets, which includes the TOGAF Foundation Architecture, and the Integrated Information Infrastructure Reference Model
- TOGAF Resource Base a set of tools and techniques available for use in applying TOGAF and the TOGAF ADM.

Source: TOGAF 8.1.1



Architecture Development Methodology (ADM)

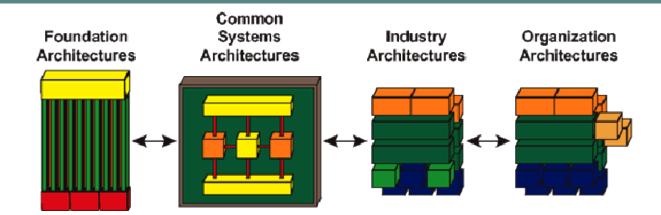
- The ADM is iterative
- For each iteration the following must be decided:
 - The breadth of coverage
 - The level of detail
 - The extent of the time horizon
 - The architectural assets to be leveraged
 - Assets created in previous iterations
 - Assets available elsewhere in the industry
- ADM is a generic method. It may however be tailored to specific needs
 - It may be used in conjunction with the set of deliverables of another framework
 - It may be used in conjunction with the Zachman Framework or other classification framework



Source: TOGAF 8.1.1



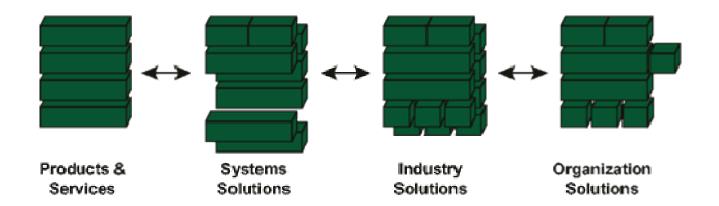
Enterprise Continuum - The Architecture Continuum



- **Foundation Architecture** architecture of building blocks and corresponding standards that supports all the common systems architectures and, therefore, the complete computing environment.
- **Common Systems Architectures** guides the selection and integration of specific services from the Foundation Architecture to create an architecture useful for building common (i.e., re-usable) solutions across a wide number of relevant domains.
- **Industry Architectures** guide the integration of common systems components with industry-specific components, and guide the creation of industry solutions for targeted customer problems within a particular industry.
- Organisation Architectures describe and guide the final deployment of user-written or third-party components that constitute effective solutions for a particular enterprise or enterprises that have a need to share information.



Enterprise Continuum - The Solutions Continuum



- Products and Services are separately procurable hardware, software, or service entities.
- **System Solution** is an implementation of a Common Systems Architecture comprised of a set of products and services, which may be certified or branded.
- **Industry Solution** is an implementation of an Industry Architecture, which provides re-usable packages of common components and services specific to an industry.
- **Organisation Solution** is an implementation of the enterprise architecture that provides the required business functions. Contains the highest amount of organization specific unique content.

Source: TOGAF 8.1.1



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Introduction to ARIS Platform

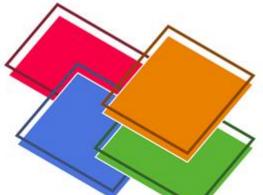




ARIS Process Performance Manager

ARIS Audit Manager

...





ARIS BSC

ARIS Business Optimizer

ARIS Business Simulator

...

ARISPlatform



ARIS for SAP NetWeaver

ARIS BI Modeler

ARIS SOA Architect

ARIS Business Rules Designer

ARIS UML Designer



ARIS Business Architect ARIS Business Designer

ARIS Business Publisher

7 ARIS IT Architect

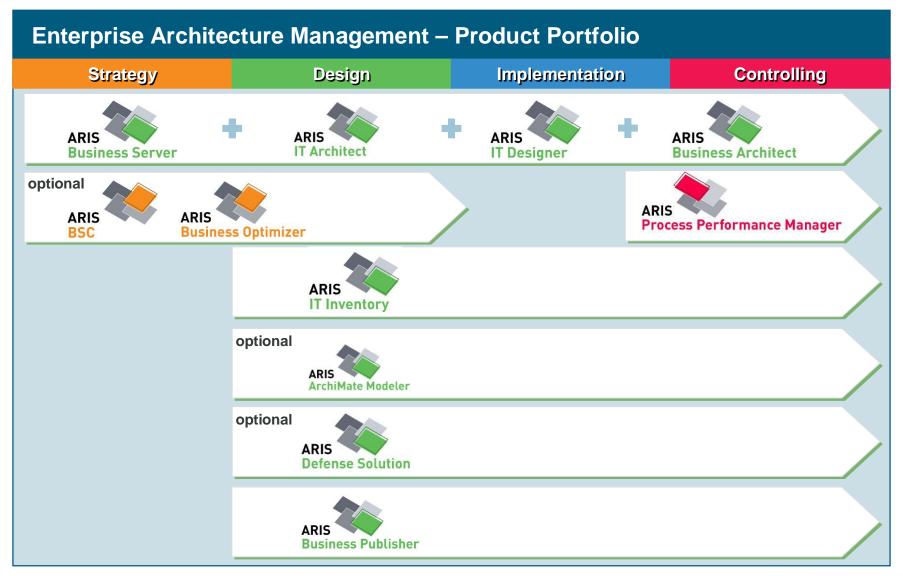
ARIS ArchiMate Modeler

...



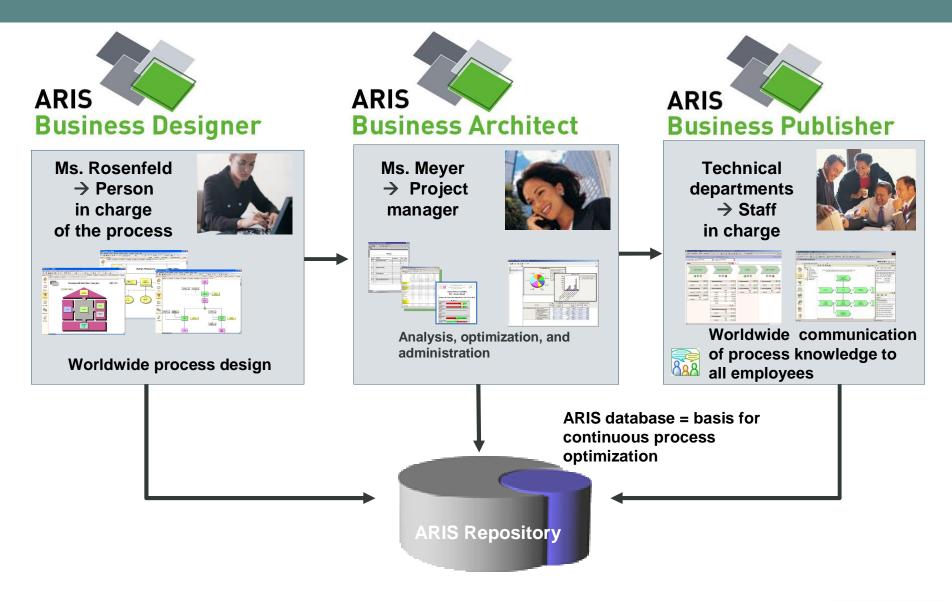
ARIS Solution for Enterprise Architecture







ARIS Business Designer & ARIS Business Architect

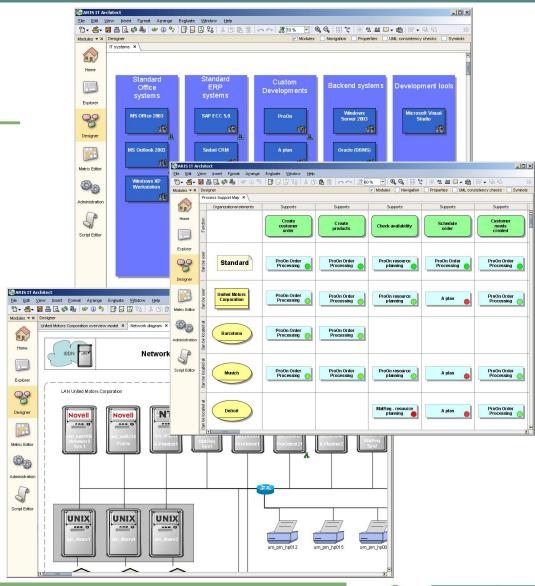




ARIS IT Architect – Managing IT Architectures

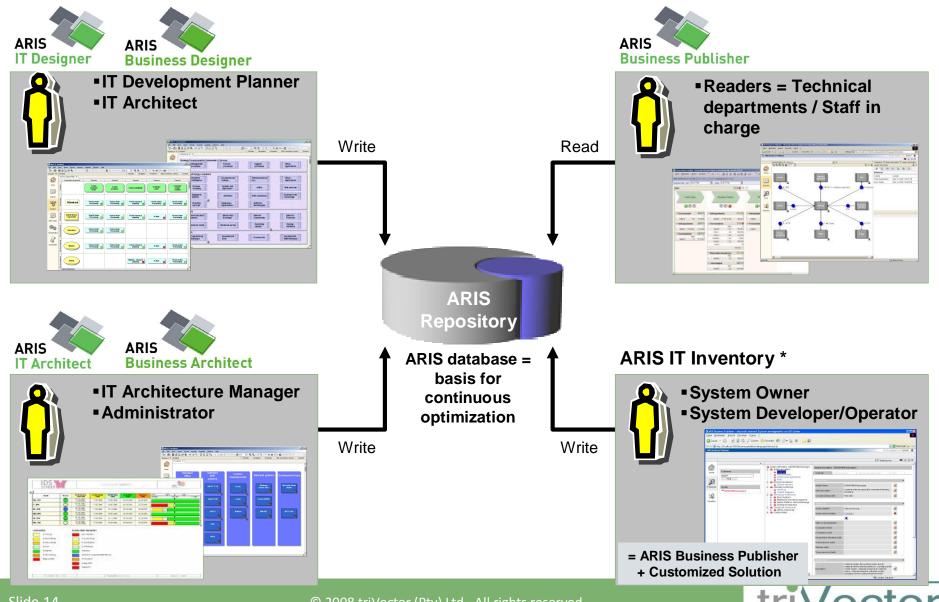


- Build application and technology inventories
- Specify, document and propagate group wide IT standards
- Describe system landscapes from a logical level down to the infrastructure details
- Integrate IT architecture and process management to align the IT planning to your business demands
- **The** Web-Based **Tools for**IT Architecture Management





Roles in IT Architecture Management



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Approach for Implementing TOGAF in ARIS

Prerequisites

- Defined architecture scope
- Established governance structures
- Architecture principles and policies



- These activities would usually be performed during the Preliminary Phase, but do require some outputs from Phase A as well
- Often extended in iterations

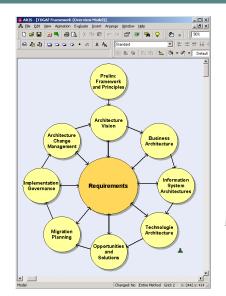


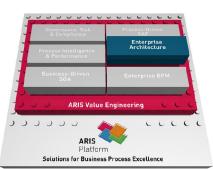
Customise Methodology

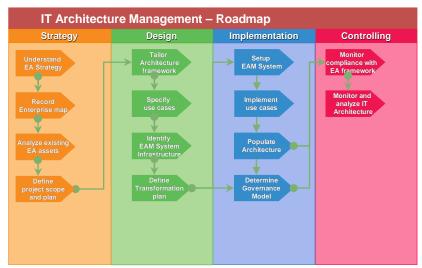
Some Options

- Adopt ADM
- Customise ADM
- Adopt alternate out the box method
- Develop method from scratch



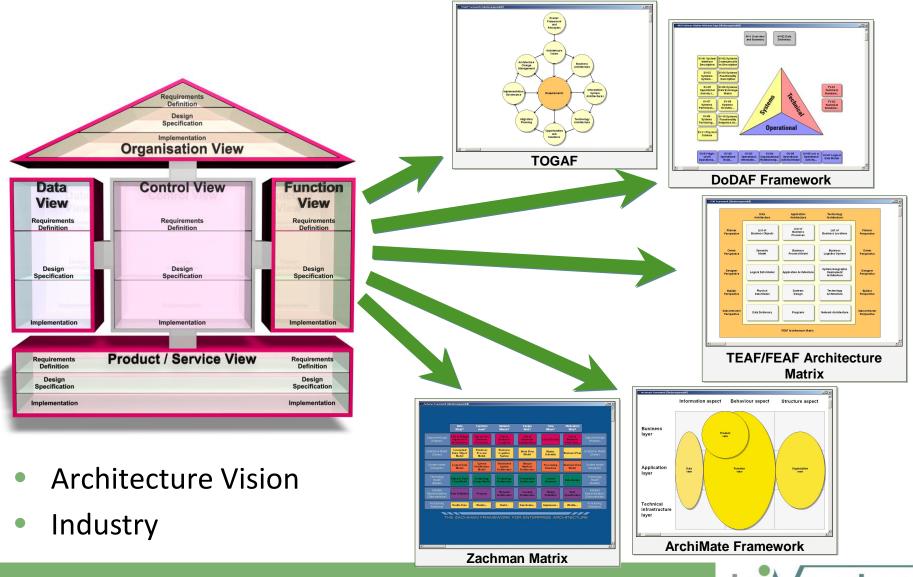








Select Classification Framework

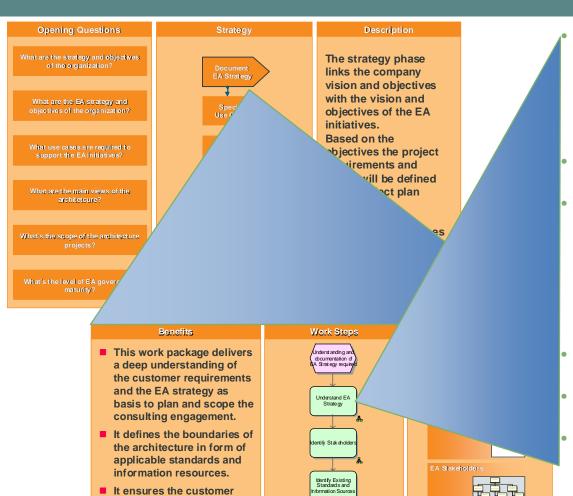


Method Elements

that we understand his requirement and translate

them into the required

deliverables.



Work Step Description

- This work steps consists in conducting interviews in order to capture the exact objectives the company wishes to reach by conducting an Enterprise Architecture project.
- The outline of the EA strategy paper is created in this step.

Inputs

EA strategy paper template

Outputs

- EA strategy paperActivities
- Review organizations vision and strategy
- Review organizations EA vision and strategy
- Conduct interviews with project sponsors and stakeholders to identify program and EA objectives
- List program, project and EA objectives in EA strategy paper

Accelerators

EA strategy paper template

Roles

Chief Enterprise Architect

ARIS Products

ARIS BSC

TIPModel method in ARIS



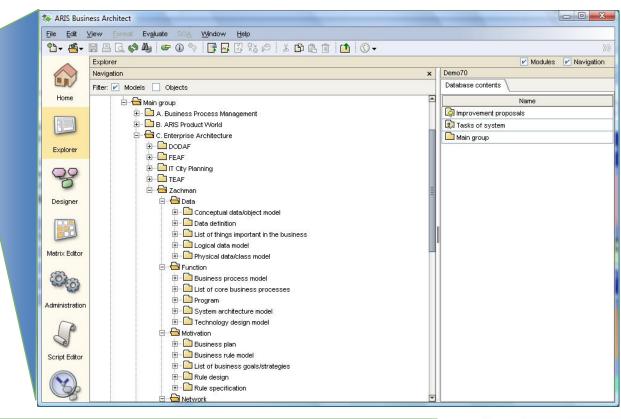
Information Sources and

Define Repository Structures



Some Options

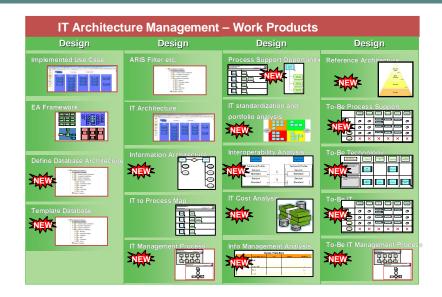
- Project based
- Life cycle based
- Value chain based
- Domain based
- Based on classification framework

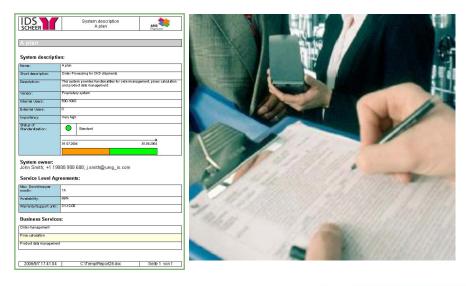




Identify Deliverables and Templates

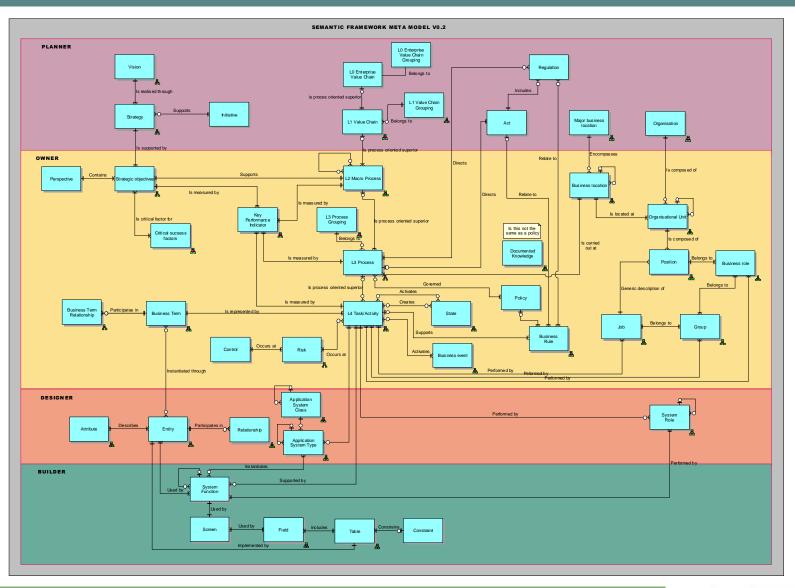
- Identify deliverables that may contain repository based content
- Obtain/develop templates for deliverables
- Identify the specific repository based content in deliverable
- Identify deliverables which may be generated directly from repository







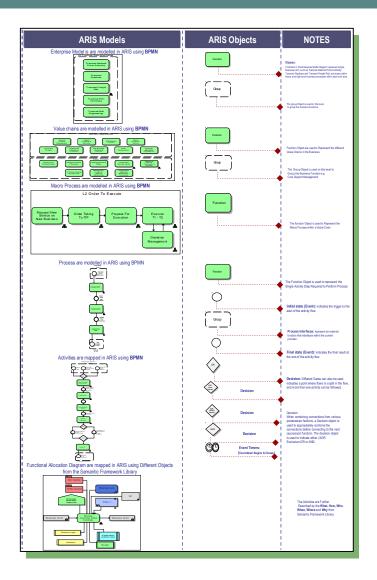
Define Meta Model





Define Modelling Conventions

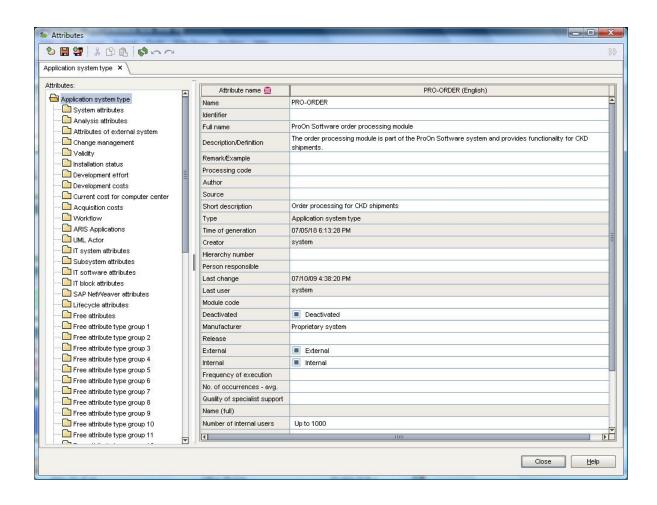
- Identify domains
- Define levels
- Select modelling techniques
- Identify models
- Identify model assignments
- Select object type
- Select relationships



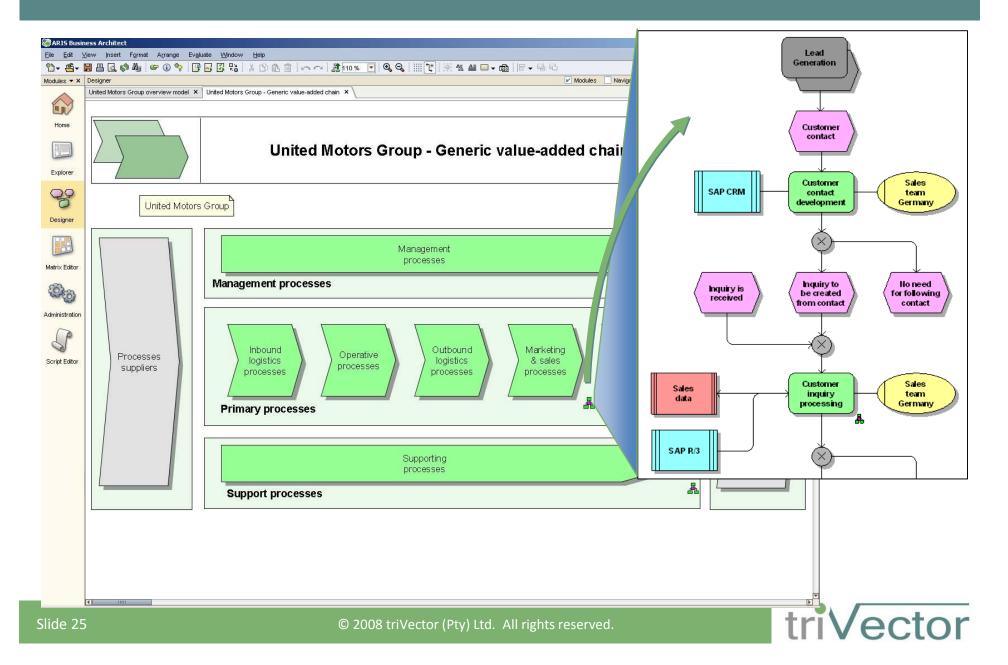


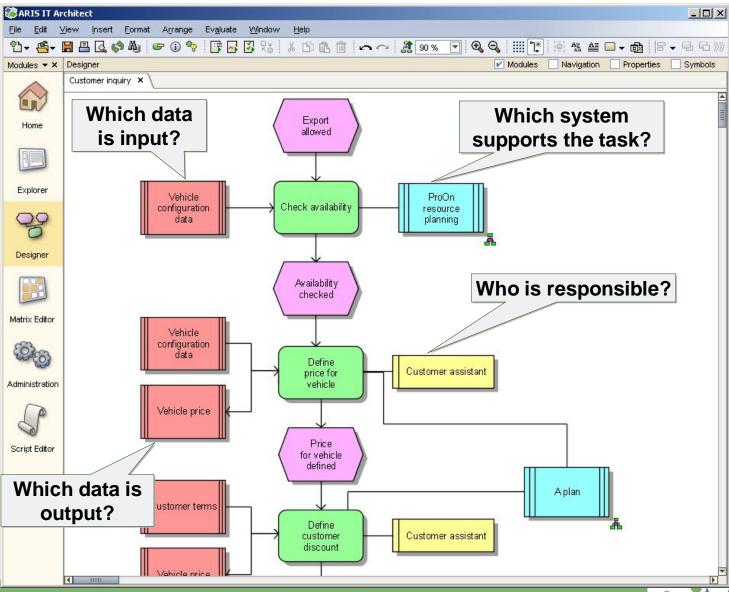
Define Attributes

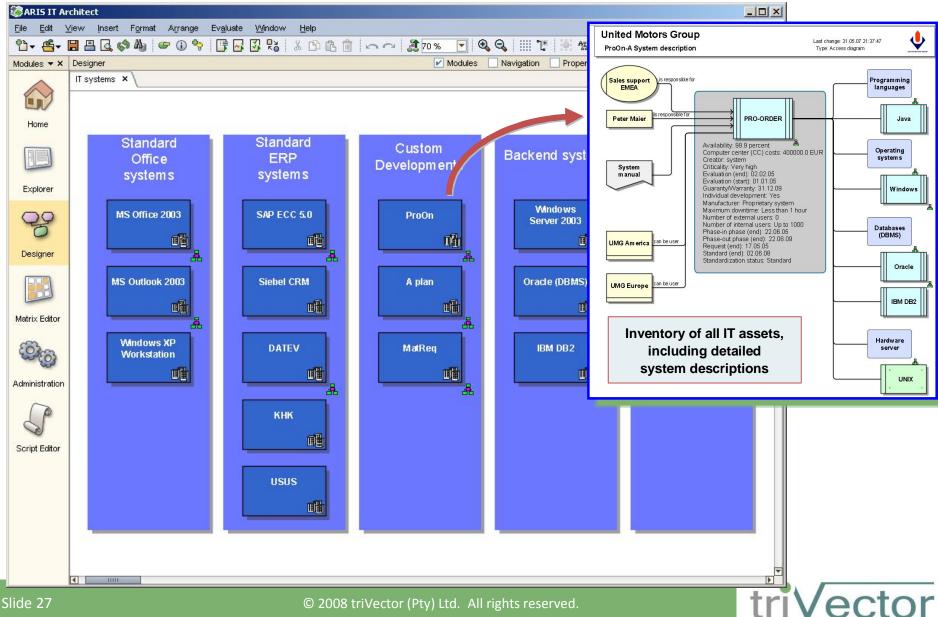
- Identify attributes for:
 - Models
 - Objects
 - Relationship
- Select standard attributes
- Define customised attributes
- Identify mandatory attributes

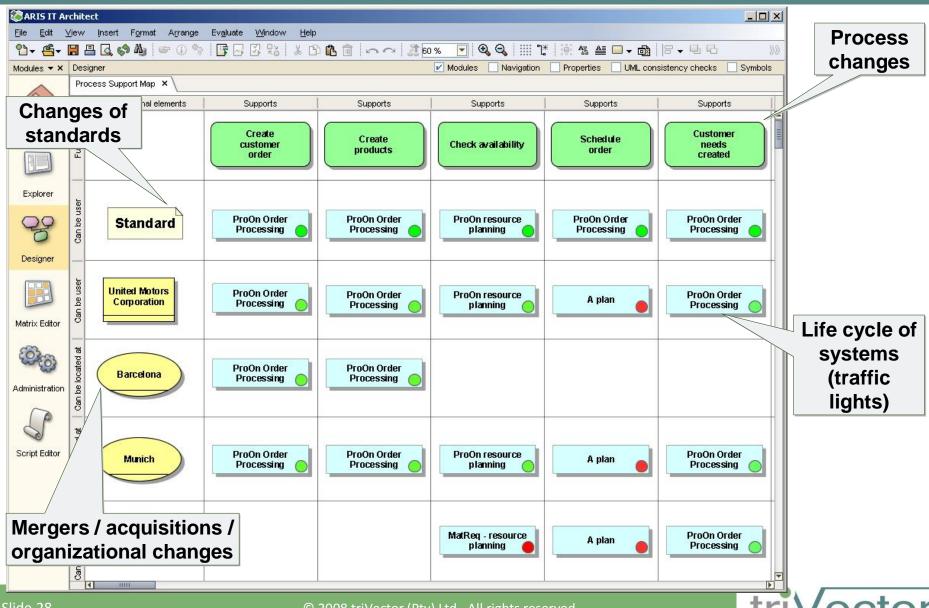


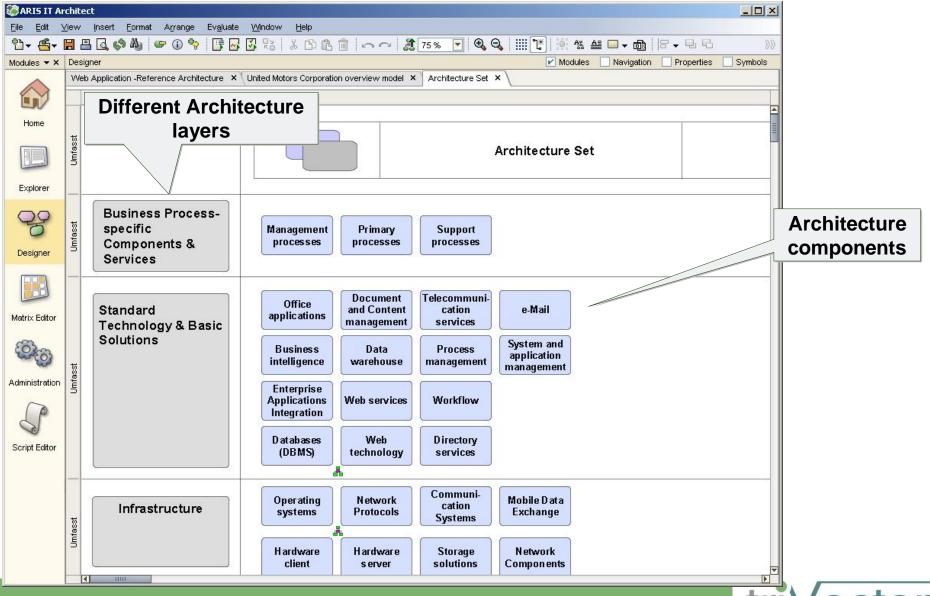


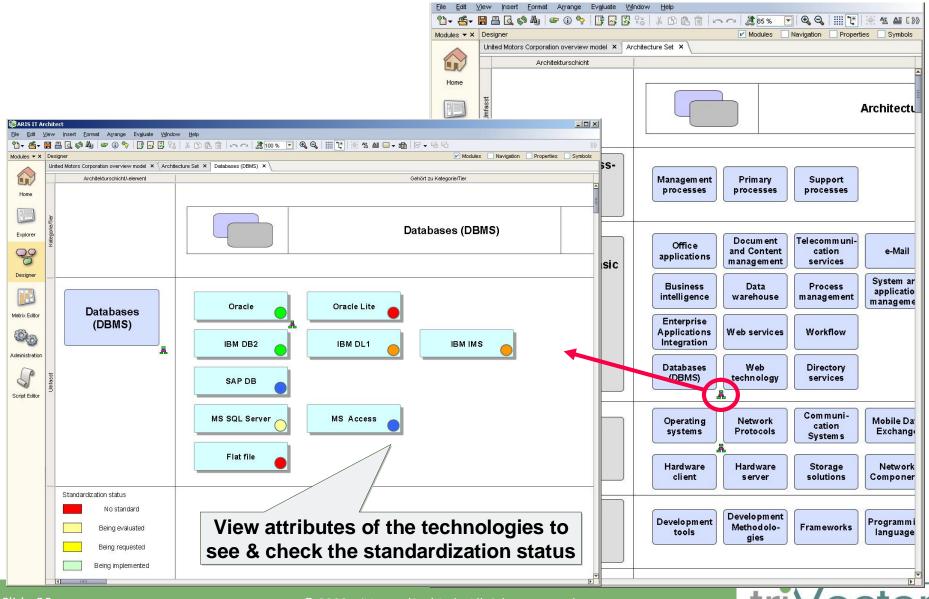


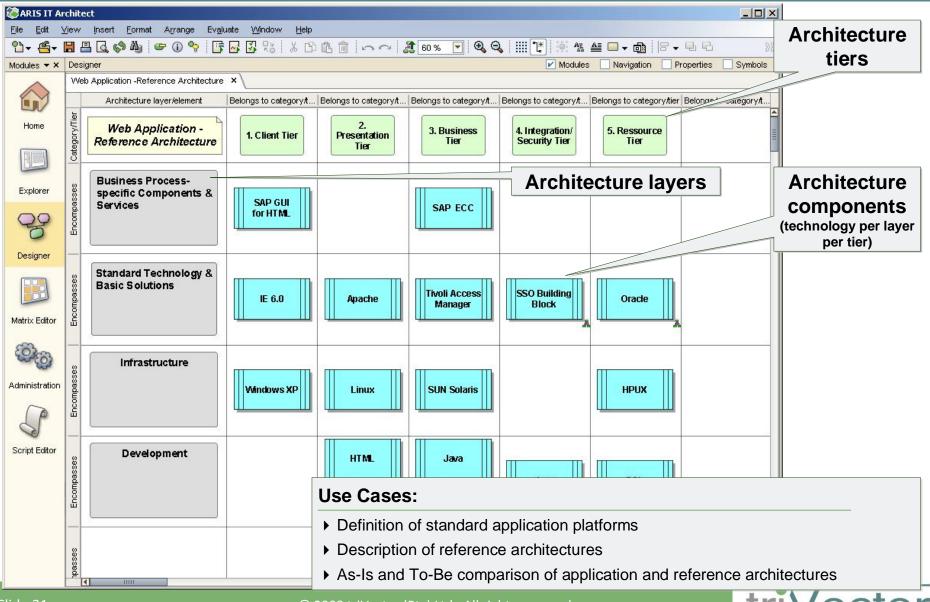












Configure Filters and Templates

FILTERS

Purpose:

- Restricting the ARIS method to the model constructs relevant for modelling or evaluation
- Hiding model constructs that are not required

Advantage:

- Reduced complexity during modelling
- Focused restriction of the database contents to be evaluated

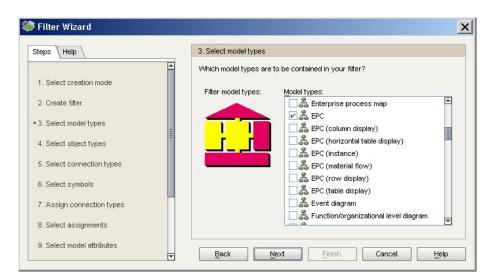
TEMPLATES

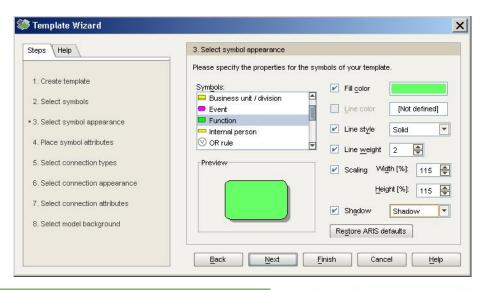
Purpose

Templates can be used to define the appearance of models.

Advantage:

Uniform appearance of models







Report Example



Lifecycle management



Standardization cycle:

Name	Status	Evaluation (from-until)	Request (until)	Implementation (until)	Standard (until)	Phase-out (until)	2001 2003 2005 2907 2009 01.01.2001 17.11.2008 21.12.2010
A plan	•	Jun 1 , 2005 - Nov 1 , 2005	Mar 1, 2006	Aug 8, 2006	Nov 17, 2008	Dec 31, 2008	
MatReq - resource planning	0	Jul 1, 2001 - Jul 31, 2001	Sep 13, 2001	Dec 13, 2001	Nov 30, 2005	Oct 31, 2006	
ProOn Order Processing	0	Jan 1 , 2004 - Feb 2 , 2004	May 17, 2004	Jun 22, 2004	Jun 2, 2008	Jun 22, 2009	
ProOn resource planning	0	Jan 1 , 2005 - Feb 2 , 2005	Sep 17, 2005	Dec 22, 2005	Jun 2, 2010	Jun 22, 2011	

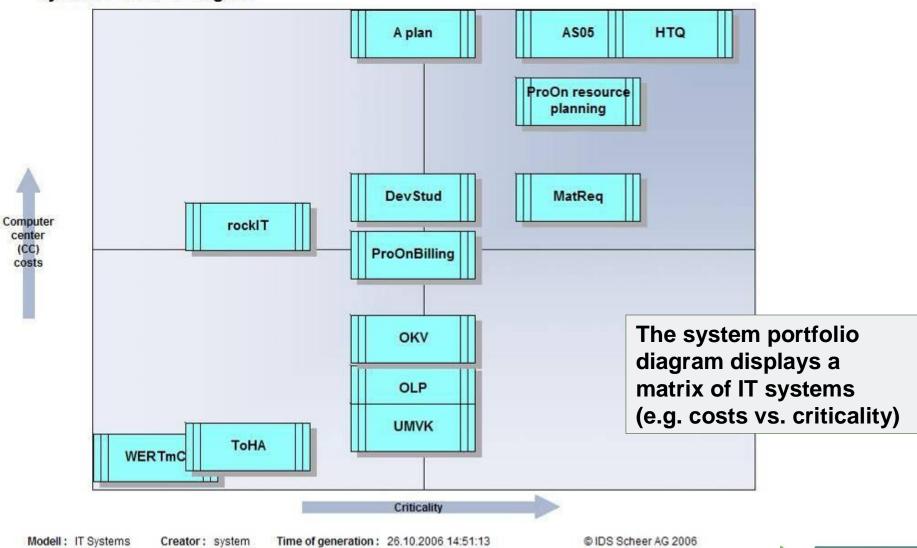
Lifecycle Standardization cycle In planning Non-standard In evaluation In procurement In development Requested for standard In testing To be phased in Standard In operation In shut-down Standard - limited use Out of operation To be phased out Phased out Rejected

Lifecycle reports show the standardization cycle of IT systems in the company.

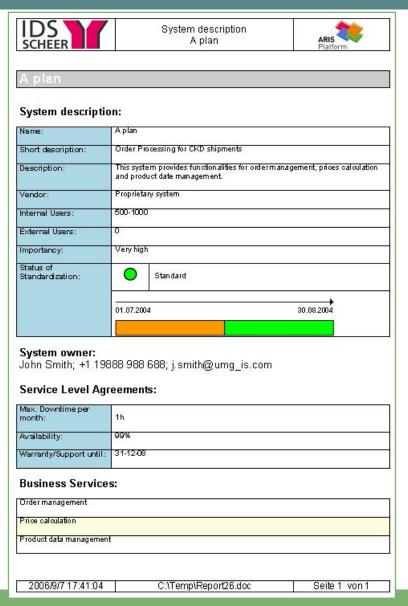
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Report Example

System Portfolio Diagram



Report Example



The system information report gives a detailed description of the selected IT system:

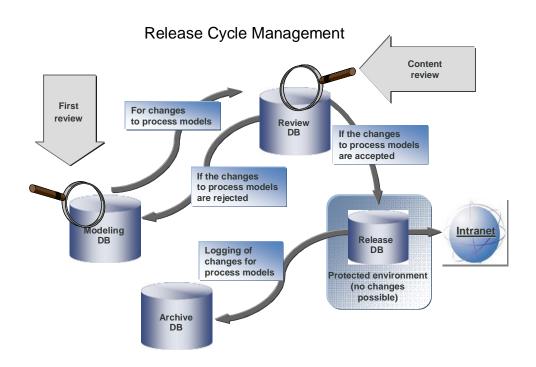
- → Life cycle information
- → Usage (processes, services, organizations)
- → Ownership, operation, support, etc.
- → and many more ...



Support Processes

- Method and filter maintenance
- Repository structure management
- Release cycle management
- Technical quality assurance
- User administration
- Locals and merges
- Repository reorganisations
- Installations and license management
- First line support
- Tool and method training







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Forthcoming Attractions

- ARIS Certification
 - TOGAF certification of ARIS Platform
 - Target July 2008
- ARIS for TOGAF Training
 - Combination of tool and method training for implementing ARIS in support of ARIS
 - Target for first course during August2008





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Closure



THANK YOU



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