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ARIS Platform

White Paper

Products Functionalities Matrix

October 2011

CONTENT

ARIS Business Architect – ARIS Business Designer – ARIS Express

Functionality	ARIS Business Architect	ARIS Business Designer	ARIS Express
Product Architecture			
Use as desktop application or via web-browser	X	X	X
Work on central servers and repositories	X	X	
Work stand-alone (LOCAL)	X		X
Online help	X	X	X
Product documentation	X	X	
Support of LDAP and SSO for user authentication and authorization	X	X	
Basic Modeling features			
Designer	X	X	X
Graphical modeling front-end	X	X	X
Use templates, colors, color gradients, own symbols, clustering of objects and many more features for graphical design	X	X	
Automatic layout and arrangement of objects	X	X	X
Modeling of time line displays and project activities	X	X	
BPMN compliant modeling, including automatic modeling support	X	X	X
Explorer (management of database content)	X	X	
Matrix Editor (evaluate and edit relationships using matrix models)	X	X	
Attribute editing and free formatting of text attributes	X	X	X
Maintain and display linked files and OLE objects	X	X	
Maintain and display linked documents from DMS systems	X	X	
Macro execution (also event triggered)	X	X	
Create copies of models and objects	X	X	
Display and edit model variants	X	X	
Extended Modeling features			
Mass attribute maintenance and automatic creation of identifiers	X		
Create and compare variants	X		
Model generation	X		
Consolidate objects	X		
Create Definition copies of entire groups	X		
Symbol Editor (for creating own symbols)	X		
Team Collaboration			
Repository Integration	X	X	
Change management and Improvement proposals	X	1	
Versioning of models and objects	X	X	
Set permanent user locks on models and objects	X	X	
Merge models from different sources	X		

1 Limited

Functionality	ARIS Business Architect	ARIS Business Designer	ARIS Express
Reporting, Analysis, Evaluations and Queries			
Navigation mode and show/hide objects in models	X	X	
Search for Models and Objects (also filtered via various attributes)	X	X	
Run search queries across relationships of items	X	X	
Define search queries	X		
Run reports	X	X	
WYSIWYG Report Designer (form based)	X		
Define charts and tables in reports	X		
Create Reports, analysis and consistency checks using Java Script programming (Integrated editor, incl. debugging, syntax highlighting, etc.)	X		
Run semantic checks	X	X	
Define semantic checks	X		
Perform KPI analysis (e.g. times and costs)	X		
Graphical comparison of versioned models	X		
Administration			
Manage filters, method defaults and design templates	X		
Define method extensions and adaptations (e.g. own attribute types, symbols for attributes and objects, inherited model types, renaming of predefined method content)	X		
User, font and language management	X		
Database administration (e.g. backup, restore, logos, identifiers, fallback language, ...)	X		
Database conversion	X		
Create macros for automation of modeling activities using JavaScript	X		
Server administration and monitoring	X		
Export/import of data in XML format (AML)	X		
Import data in XLS format (e.g. for data migration from other systems)	X		
1 Limited			

ARIS Web Publisher – ARIS Business Publisher (dyn.) – ARIS Business Publisher (HTML)

Functionality	ARIS Web-Publisher	ARIS Business Publisher (dyn.)	ARIS Business Publisher (HTML)
Export			
Create as script	X	1	1
Selection of the export language	X	X	X
Selection of the default(fallback) language		X	
Browser-specific creation of HTML pages	X	1	1
Document handling incl. copying documents, temporary file names, selection of specific document types	X	X	X
DMS integration		X	
Model download	X	1	1
Element-related operator type	X	X	X
Export of individual models/groups	X		X
Export profiles	X	X	X
Edit exports (languages, users, etc.)		X	
Graphic options: scaling, initial scaling, print scale, tranparent, black and white, etc.	X	X	X
GUID export	X	1	1
Hierarchy export	X		X
Layout design (Wizard)	X		
Link to ARIS Business Architect/Change Management	X		
Include Lotus Notes attributes	X		
Export several languages at the same time		X	X
Represent object information (selection of specific object types)	X	X	X
Include OLE objects	X	X	X
Prefixes for files	X	1	1
Report interface for exports	1	X	X
Include SAP attributes	X	X	X
Sorting of content (models, objects, attributes)	X	X	X
Columns/lines can be frozen if required	X		
Use descriptive file names	X	1	1
Various tree representations (complete, user-defined, etc.)	X		X
Different kinds of export (technological)	X	1	1
Export management from within ARIS		X	
Add to Web	X		X
Update Web	X	X	X
Version based export		X	
Associate exports		X	
Apply template	X	X	

1 irrelevant
2 from 7.02
3 AWP includes only limited role-based access. ABP contains full access incl. filtering by user privilege and method
4 inclusive
5 only partly possible

Functionality	ARIS Web-Publisher	ARIS Business Publisher (dyn.)	ARIS Business Publisher (HTML)
WEB representation:			
View: larger, smaller, original	X	X	X
View: Optimal section	X		
User and privilege management		X	
Representation of attributes, feedback info, hierarchy, master model, objects, variants, occurrences, master objects, relationships	X	X	X
Printing incl. cutting with preview		X	
Printing incl. cutting without preview	X		
Printing with simple preview	X		
Printing without preview			X
Dyn. changing of export languages		X	
Dynamic view creation		X	
Simple search		X	
Advanced search incl. model/object types, attributes etc.		X	
Advanced search incl. pattern matching, in multiple languages, etc.		X	
View search (representation of semantic contexts)		X	
Search IN linked documents		X	
Favorites for models (persistent)		X	
Favorites for objects (persistent)		X	
Favorites for search properties (persistent)		X	
Favorites management		X	
Info window		X	
Integrated help page	X	X	X
Interactive graphical model representation		X	
Configuration of model representation		X	
Configuration of the Web interface		X	
ARIS Platform-based layout		X	
Model history	X	X	X
Persistent and user-based model history		X	
Model lists/indices	X		X
Model overview	X	X	X
Home module		X	
Navigation using assignments, relationships, superior objects, variants, master elements, occurrences, etc.	X	X	X
Object lists/indices	X		X
Role-based access	3	X	
Standard language (fallback language)		X	
Search using relationships		X	
Frame presentation		X	X
Extended Model information document (PDF		X	
Execute ARIS report scripts		X	
Report state page		X	
Open DMS documents		X	
Views: EPC->VACD, EPC->Reduced EPC, EPC->Extended EPC, EPC->hide triv. Events, process matrix		X	

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Functionality	ARIS Web-Publisher	ARIS Business Publisher (dyn.)	ARIS Business Publisher (HTML)
Generally:			
Automate export	X	X	
Integrate VBS report scripts	X	1	X(JS)
No JRE (plugins) on the client side	5	X	X
External link	X	X	X
Pack & Go	4	X	X

1 irrelevant
2 from 7.02
3 AWP includes only limited role-based access. ABP contains full access incl. filtering by user privilege and method
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ARIS IT Architect – ARIS IT Designer

Functionality	ARIS IT Architect	ARIS IT Designer
Basic functionality		
ARIS Business Architect functionalities and methods	X	
ARIS Business Designer functionalities and methods		X
Enterprise Architecture specific functionalities		
EA-specific method extensions (architecture matrix, process support maps, ARIS TOGAF, etc.)	X	X
Create and maintain IT system registers	X	X
Document IT portfolios	X	X
Document IT infrastructure	X	X
Document technology and architecture standards	X	X
Describe reference architectures and solutions	X	X
Maintain lifecycle information for systems, technologies and standards	X	X
Maintain and plan IT landscapes (using process support maps)	X	X
Integration of IT landscape planning information with project and requirements management	X	X
Enterprise Architecture specific evaluations and analysis		
Create system fact sheets	X	X
Analyze system redundancies	X	X
Evaluate system portfolios	X	X
Create system lists (users, supported processes, technologies, standards, ...)	X	X
Evaluation and display of interfaces and data flows	X	X
Evaluation of lifecycle information	X	X
Evaluation, generation and management of landscape planning views (As-is, Plan, To-be)	X	X
Import changes from ARIS IT Inventory	X	X
Analyze system landscape in terms of system consolidation	X	X

ARIS SOA Architect – ARIS SOA Designer – ARIS UML Designer – ARIS for BizTalk

Functionalities	ARIS SOA Architect	ARIS SOA Designer	ARIS UML Designer	ARIS for BizTalk
Basis functionality				
ARIS Business Architect functionalities and methods	X			
ARIS Business Designer functionalities and methods		X		
SOA specific functionalities				
SOA-specific macros	X	X		
SOA-specific reports	X	X		
BPEL export	X	X		
EPC2BPEL transformation (new pattern based)	X	X		
WSDL/XSD import	X	X		
Plugin mechanism for code generators	X	X	X	
Package tree	X	X	X	
UML consistency checks	X	X	X	
UML diagrams	X	X	X	
BPEL diagrams	X	X		
Service type view	X	X		
WSDL/XSD export	X	X		
Software Service type view	X	X		
XPDL Export (based on webMethods integration)	X	X		
BizTalk-specific semantic checks				X
BizTalk-specific macros				X
BPMN export as Visual Studio 2005 project				X
BPEL export as Visual Studio 2005 project				X

ARIS Business Optimizer

Functionalities	ARIS Business Optimizer
Build Balanced Scorecard	X
can be used as desktop application	X
define and excecute key data analysis	X
administration of databese content (explorer)	X
XMl Export / Import	X
excecute Reports	X
define Reports (incl. Editor und Debugger)	X
Search	X
Browser enabled frontend	X
extended search queries	X
define and use of charts	X
Merge (Classic)	X

ARIS Business Strategy

Functionalities	ARIS Business Strategy
Set up a Balanced Scorecard	X
Business Motivation Model (BMM)	X
Strategy & Tactics Modeling	X
Business Model Canvas	X
KPI Modeling	X
SWOT Analysis	X
Business Segment Matrix	X
MashUp "Strategy Scorecard"	X
ARIS MashZone Professional Edition included	X

ARIS Business Architect for SAP - ARIS Business Designer for SAP - ARIS BI Modeler (BA Version) - ARIS BI Modeler (BD Version)

Functionalities	ARIS Business Architect for SAP	ARIS Business Designer for SAP	ARIS BI Modeler (BA Version)	ARIS BI Modeler (BD Version)
Basic functionality				
ARIS Business Architect functionalities and methods	X		X	
ARIS Business Designer functionalities and methods		X		X
SAP-Solution Manager specific functionalities				
Transfer model links to SAP Solution Manager	X	X		
Open project documentation of SAP Solution Manager Projects	X	X		
Import of Solution Composer Contents	X	X		
Add languages to SAP Business Process Repositories (BPR)	X	X		
Open SAP Solution Manager blueprints and the configuration	X	X		
Excecute SAP customizing activities	X	X		
SAP synchronization	X	X		
Start transactions	X	X		
Open transaction-specific R/3 help	X	X		
Supporting lifecycle template -> implementation -> solution -> maintenance	X	X		
usage of shortcuts	X	X		
usage of Solution Composer processes in Solution Manager projects	X	X		
Supporting end to end testscenarios	X	X		
configurable synchronization method	X	X		
Synchronization of sequence, keywords and end user roles	X	X		
Download Documents from Solution Manager	X	X		
Portal Integration	X	X		
Start transactions and show documents from published models	X	X		
ARIS Test Designer (SR08)	X			
SAP-NetWeaver specific functionalities				
Import business scenarios and business processes from SAP XI into ARIS	X			
ARIS - ESR Integration Merge	X			
SAP Service Viewer	X	X		
Extended ESR Method	X	X		
BI-specific functionalities				
Interface to BI-Solutions to redocument automatically			X	
Graphical representation of graphical models e.g. data flow model			X	X
Extended BI Method			X	X
Data source pool download (SR08)			X	
Download of query definitions as PDF			X	

ARIS Business Simulator – ARIS Simulation

Functionalities	ARIS Business Simulator	ARIS Simulation
ARIS model types	X	X
BPMN model types	X	
Process instantiation plans	X	X
Shift calendars	X	X
Warm-up phase	1	X
Object animation	X	X
Attribute animation	X	X
Statistics	X	X
Charts	X	X
Probes	1	X
Tiled user interface	X	

1   after 7.1

ARIS Risk & Compliance Manager

Functionalities	ARIS Risk & Compliance Manager
Workflow Test Cases	X
Workflow Survey Management	X
Workflow Deficiency Management	X
Workflow Sign Off	X
Workflow Issues	X
Loss and Incident Management	X
Workflow Operational Risk Management	X
Risk based approach	X
Control based approach	X
Analysis of the internal control system across various dimensions (process, organizational structure, tester hierarchy, balance sheet items, for Operational Risk Management additionaly risk category and application systems)	3
Account Disclosure Assertion Control Matrix	X
Automatic notification upon status change	X
Status tracking of workflow documents	X
Reporting on status and dimensions	4
Process monitoring of workflows	1
Online monitoring of workflows	1
Performance Dashboard	1, 2

1   with Compliance Process Dashboard
2   with Compliance Process Performance Manager
3   Additional hierarchies can be mapped via customizing
4   Additional reports can be mapped via customizing

ARIS Six Sigma

Functionality	ARIS Six Sigma
SIPOC Diagram (Supplier Input Process Output Customer)	X
RASCI Chart	X
Highlighting of Critical factors, Input and Output	X
Priority matrix for Input and Output	X
Fishbone Diagram (Cause-Effect-Diagram)	X
Fishbone Layout	1
Minitab Export	1
Six Sigma Filter	X

1   with first Service Release 7.1

ARIS Business Rules Designer

Functionalities	ARIS Business Rules Designer
Integrated Rules and Process Management	
Connect business rules to decison points in business process	X
new ARIS diagrams for rule management, supported by reports	X
multi-user access on rule models via ARIS repository	X
Business Rules specific functionalities	
Collect rule statements in natural language	X
Use ARIS data objects as vocabulary for business rules via drag & drop	X
Define business rules in a decision table	X
Concept of Ruleflows	X
Analyse rules on completeness, ambiguities, logical loops	X
Test rules based on example data	X
Rule Execution	
Use rules in SOA Architect	X
Export rules to deploy on a Corticon Rules Engine	X
Migration	
Migration of rules defined in Coticon Studio for ARIS based on ARIS 7.02	X

ARIS Process Performance Manager - ARIS Performance Dashboard - ARIS MashZone

Functionalities	ARIS Process Performance Manager	ARIS Performance Dashboard	ARIS MashZone
Dynamic Analysis			
Multi Analytics: Easy-to-use and powerful graphical user interface showing several charts at one time	X		
Innovative Filter Controls: Flexible ad-hoc queries	X		
Various business chart (column, bar, line (2D and 3D); pie charts; speedometer)	X	X	X
Filter interactively within charts and overlay comparison values	X		
Distribution charts (with optional statistics)	X		
Tabular views (list table, pivot tables)	X	X	X
Drill-down	X	X	X
Slice-and-dice	X		
Specify multiple filters	X		X
Define step-width for axis values	X		
Personalization			
Favorites for bookmarking interesting queries	X		
Shared Favorites for common usage of important bookmarks by different users	X		X
Formatting charts and table views	X		X
Saving filter, formats, step width in favorite templates	X		

1 requires license Advanced Analysis and Instance controlling
2 requires license Advanced Analysis
3 no additional license required
4 requires license Instance controlling
5 ARIS Performance Dashboard 4.1 is included in ARIS PPM 4.1
6 requires license Org. Analysis
7 requires license Customizing Toolkit

Functionalities	ARIS Process Performance Manager	ARIS Performance Dashboard	ARIS MashZone
Process View			
Graphical visualisation of single process instances	X		
Display in Gantt-like flow chart	X		
URL in attributes for navigating to 3rd party systems (Process link)	X		
Process instance lists	X		
Process Discovery: Aggregation of process instances	X		
Hiding of least-frequent branches in aggregated processes	X		
Export of process instances and aggregated processes to ARIS Designer	X		
Planned values			
Visualisation of planned values	X	X	X
Graphical user-interface for input	X		
Distinct planned values for different filters	X		
Easy Mining			
Configurable automatic check for analysis algorithms	1		
Notification of check results in home module and via email	1		
Advanced features for analysis			
Process Mining for automatic detection of weak points	2		
User-defined KPIs	X		X
Ranking analysis	2		
ABC analysis	2		
Top-flop analysis	2		
User-defined dimensions (filter dimensions depending on a KPI value)	2		
Publishing			
Printing in graphical front-end (chart, tables)	X		
Management Views	X		X
PDF output via PPM clipboard functionality	X		
WYSIWYG editor for off-line reports	X		
Generating off-line reports (PDF, HTML, RTF, XLS)	X		
User administration	X		X
Assign users to user groups	X		X
Grant functional privileges	X		
Grant process access rights	X		
Grant data access rights	X		X
LDAP integration	3		X
Data administration			
Deletion of data	X		
Permanent aggregation of data	X		

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Functionalities	ARIS Process Performance Manager	ARIS Performance Dashboard	ARIS MashZone
Data import			
Data import in XML format	X		X
Data import from SAP	X		
Data import from databases (JDBC/ODBC)	X		X
Data import from CSV	X		X
Import of non-process related KPIs	X		
Anonymisation of employees	X		
Manual input of non-process data in graphical front-end	X		
Change Management			
Activities and Comments	X		
Instance Controlling			
Search for process instances	4		
Outlier analysis	4		
Deviations of critical process instances from alarm values	4		
Early alert of critical process instances	4		
Dashboard			
Easy comprehansible dashboard-like display of KPIs with navigation features	5	X	X
Web application for generating HTML front-end	5	X	
Flexible layout and arrangement of widgets (Charts, tables)			X
Support for interactive dashboards (filters, interdependent selection between charts)		X	X
Tools for dashboard definitions	5	X	X
OrgAnalyser			
Analyzing organisation structures and their collaboration and communication	6		
Activity analysis	6		
Communication analysis	6		
Relation Explorer	6		
Customizing of relations, relation KPIs and dimension	6		
Customizing			
Predefined generic KPIs (metrics)	X		
Flexible, customer-specific configuration of KPIs (metrics)	X		X
Flexible, customer-specific configuration of dimensions	X		X
Mashing / Mixing data from different sources			X
Web access to data sources			X
Configuration in XML	X		
Graphical user interface for configuration	7		X

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ARIS Reference Models

ARIS Reference Model	Inhalte	Version
ARIS ITIL	IT organizations currently spend around 80% of their budget purely on keeping systems up and running. This leaves little scope for process innovation or for responding to the ever increasing demands to align IT with the value chain. One solution is to systematically reorganize IT processes in a process- and service-oriented manner and ensure that resources are allocated with maximum efficiency. These objectives lie at the heart of the Information Technology Infrastructure Library (ITIL), an industry-independent set of guidelines for customer-focused alignment and standardization of IT processes that leverages existing best practices. IDS Scheer has developed an ARIS reference model based on ITIL V3 to document, analyze, and implement IT processes. For companies wanting to align their IT processes with ITIL, ARIS ITIL offers a customizable graphical reference model and user-friendly modeling and analysis environment. The ARIS ITIL reference model thus helps organizations to synchronize their IT systems with their business needs—fast and at low cost.	Based on ITIL version 3
ARIS Healthcare	ARIS Healthcare provides healthcare companies and institutions with a fast and effective way to get started with business process optimization, based on an ARIS database containing comprehensive best practice experience from a host of healthcare projects. Instead of starting their modeling from scratch, organizations can leverage proven results, regardless of whether the processes involve complex treatments or interactions across institutional boundaries.	

Notes

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ABOUT SOFTWARE AG

Software AG is the global leader in Business Process Excellence. Our 40 years of innovation include the invention of the first high-performance transactional database, Adabas; the first business process analysis platform, ARIS; and the first B2B server and SOA-based integration platform, webMethods.

We offer our customers end-to-end Business Process Management (BPM) solutions delivering low Total-Cost-of-Ownership and high ease of use. Our industry-leading brands, ARIS, webMethods, Adabas, Natural, CentraSite and IDS Scheer Consulting, represent a unique portfolio encompassing: process strategy, design, integration and control; SOA-based integration and data management; process-driven SAP implementation; and strategic process consulting and services.

Software AG - Get There Faster