

**ENGEL**

# A "digital map" for everyone

DI Karl Jechtl  
IT Enterprise Solution Architect

ENGEL Austria GmbH

**ENGEL**

# Company presentation

Welcome to the world of ENGEL

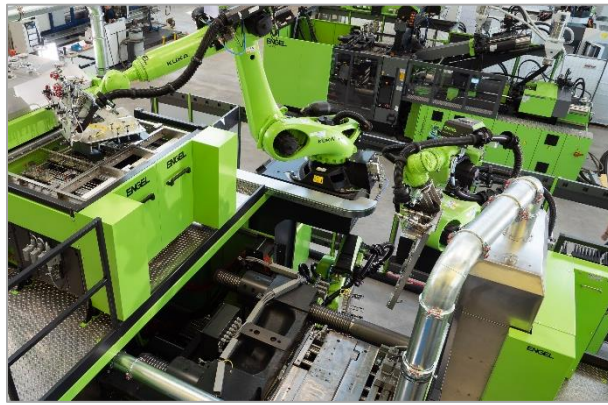


# Product and service portfolio

Innovative machines, technologies and solutions from a single source



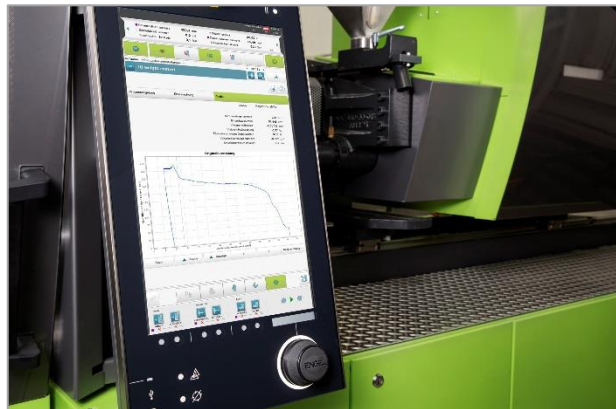
INJECTION MOLDING MACHINES



SYSTEM SOLUTIONS & ROBOTICS



PLASTICIZING TECHNOLOGIES



DIGITAL SOLUTIONS / SMART FACTORY



PROCESS TECHNOLOGIES



GLOBAL SERVICE & SUPPORT

# Process technologies

Innovative technologies for every application

If you need parts with special properties that cannot be produced using standard technologies, our highly specialized technology & application experts offer and develop the right solution for your competitive advantage.



# About ENGEL

## Facts & Figures



Founded in 1945 in Austria by Ludwig Engel



1.6 billion euros in sales worldwide (FY 23/24)



100% family-owned in the 4th generation



Over 500 million euros investment volume (FY 2018 - 2024)



7280 employees worldwide (FY 23/24)



70 million euros R&D expenditure per year

# Motivation

Presentation of 2 concrete use cases that helped us to "understand" the meaning of EAM as a method and to use this method in a targeted manner for current problems

# Use Case #1: Googling and documenting applications



Initial state	Target state
<p><b>No</b> uniform/complete <b>overview of</b> all <b>applications</b> used (IT &amp; specialist departments) with interfaces to other applications and use for various specialist areas</p>	<ul style="list-style-type: none"><li>• <b>central application maintenance</b> and overview</li><li>• IT application landscape, structured according to <b>company-wide standardized specialist areas</b> (=&gt; capabilities)</li><li>• <b>an architecture picture</b> (=&gt;"BIC Picture") for each application</li></ul>
<p><b>Not up-to-date</b> or complete information about <b>responsibilities</b> for applications</p>	Responsibilities for application and IT services based on <b>centrally maintained roles</b> and employee master data
<p><b>No defined roles</b> for application management</p>	Centrally maintained roles for application management
<p>The <b>documentation</b> is <b>neither uniform nor complete</b> and is only partially coordinated with the specialist departments</p>	<b>Central documentation platform</b> for applications ("Single Point of Truth"), usable for all ENGEL employees
<p><b>No</b> complete <b>allocation of</b> which applications are billed via which <b>IT services</b></p>	Each application is clearly assigned to a service via which the operating costs are billed

# Solution concept

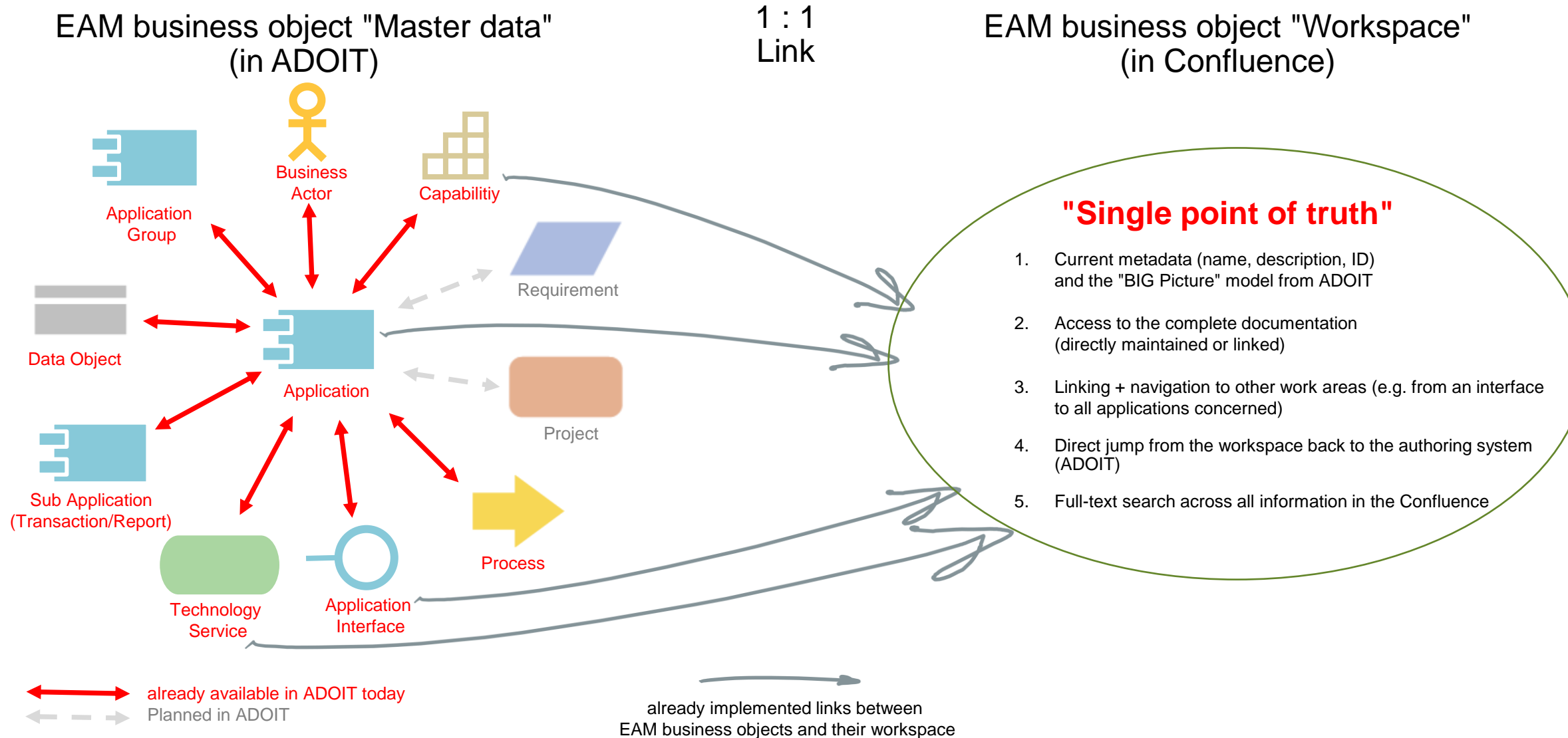


What should be implemented?	With what ?		
	ADOIT	Confluence	Jira
Recording of all applications (IT & business departments) and IT services via a central EAM tool	X		
Regulation of responsibilities via central roles: "Application Owner", "Service Owner", "IT Solution Architect", "Key User"	X	X	
Presentation, documentation, research and cross-application navigation based on up-to-date information	X	X	
Embedding the applications and roles in a "Digital Company Map" based on capabilities	X	X	



# Interaction between EAM business objects & documentation

ADOIT and Confluence as a powerful team...



# EAM business object "Workspace"

-> automatically generated Confluence page

## Demo Application

Revisor: [ADOIT Enterprise Architekt](#)  
Letzte Aktualisierung: Aug. 14, 2024 von [Sef Jostl](#) • 100 Angesehen von 4 Personen • 1 link • 0 Translationen

### Summary

Name	Demo Application
Description	Demo Application Description
Lifecycle state	In development
Responsible business actors	<a href="#">Demo Person</a>
Accountable business actors	<a href="#">Demo Person</a>
Consulted business actors	<a href="#">Demo Person</a>
Informed business actors	<a href="#">Demo Person</a>
Vendor	<a href="#">Demo Vendor</a>
Realizes	<a href="#">90.00 Demo Capability</a>

### Table of contents

#### Page content

- Summary
- Architecture
- User documentation
- Specification- & Test documentation
  - relevant test sets (from XRAY)
- Development documentation
- System operating documentation (e.g. for installation, customizing, maintenance and support)
- Further links or file repositories

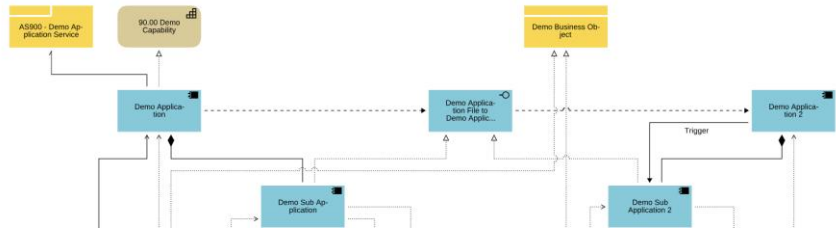
#### Subpages

← Master data (from ADOIT)

← Architecture overview (from ADOIT)

### Architecture

▼ If a main application has interfaces to other main applications, a "main model" has to be created. Click here to view this model.



← User documentation (links, subpages)

← Specifications and test data (XRAY test sets integrated)

### User documentation

please add relevant content or links to documents or pages here

### Specification- & Test documentation

please add relevant content or links to documents or pages here

#### relevant test sets (from XRAY)

> Click here to view the test tasks

### Development documentation

please add relevant content or links to documents or pages here

### System operating documentation (e.g. for installation, customizing, maintenance and support)

please add relevant content or links to documents or pages here

### Further links or file repositories

If internal documents (please set the appropriate start folder)

← Developer documentation

← System operating documentation

← Links to other repositories (e.g. SharePoint)

# Application examples (1)

## Search for application and navigate (Confluence search)

Suchen

Q demo app

Bereich Beiträgende Letzte Aktualisierung: Jederzeit Typ Content unter Stichwörter More filters

Es werden 25 von 2.481 Ergebnissen angezeigt.

- Demo Application**  
ENGEL IT / Applications (EAM) · Aktualisiert 14. August 2024  
Summary · (f78ad7fd-07a6-4e57-9286-ef8ac10c67f5) Table of contents · Page content · Subpages · Architecture · (1e1aa012-28e0-42bf-a295-8d0770da3e55) User document relevant content or links to documents or pages here · Specification- & Test documentation · please add relevant content or links to documents or pages here · relevant...
- Salesforce Sales Cloud**  
ENGEL IT / Applications (EAM) · Aktualisiert 3. September 2024  
Integration von SnapADDY unter **Demo** SnapADDY Integration!
- AS900 - Demo Application Service**  
ENGEL IT / IT Services · Aktualisiert 14. August 2024  
Summary · (e7a911c3-1493-48ba-97fe-dd76264a559e) Table of contents · Page content · Subpages · Architecture · (1e1aa012-28e0-42bf-a295-8d0770da3e55) Service Description description must include the following points: · quantitative and qualitative goals · overview of the services offered (scope of the service offered, including...
- Demo Business Process Role**  
ENGEL IT / Business Process Roles · Aktualisiert 12. August 2024  
Summary · (2f1b43f9-a7f6-48e2-89a9-368031856a3b) Table of contents · Page content · Subpages · General information · Tasks, responsibilities and authorizations · Skills Trainings and education · Necessary equipment (Software licenses & Hardware) · Page has been renamed by automatic publishing Page has been renamed by...

## Application master data (Confluence page)

Demo Application

Summary

Name	Demo Application
Description	Demo Application Description
Lifecycle state	In development
Responsible business actors	Demo Person
Accountable business actors	Demo Person
Consulted business actors	Demo Person
Informed business actors	Demo Person
Realizes	90.00 Demo Capability
Associated to	AS900 - Demo Application Service
Associated models	90.00 Demo Capabilities (see also the related models)
State	Draft

Architecture

User documentation

Specification- & Test documentation

Development documentation

System operating documentation (e.g. for installation, customizing, maintenance and support)

Further links or file repositories

AS900 - Demo Application Service

Summary

ID	AS900
Name	AS900 - Demo Application Service
Responsible business actors	Demo Organization Unit
Accountable business actors	Demo Person
Description	This is the description of the DEMO IT Service
Associated to	90.00 Application
Associated to	90.00 Application
Lifecycle state	In development
Date of last change	12.08.2024

Architecture

Service Description

The service description must include the following points:

- quantitative and qualitative goals
- scope of the service offered (scope of the service offered, including specific functions, features or activities)
- list of services for the service as well as payment terms and deadline
- User support: How and when can customers and users receive support if they have problems or questions about the service?
- Responsiveness and quality: Information about how and when customer requirements or other user queries can be processed and how they may affect the customer
- Security: Measures: Details of the security processes and measures implemented to protect the Service and customer information

The service includes the implementation of the following standard changes

Prerequisites

Scope of the service

## Search for application and navigate (ADOIT search list in Confluence)

04 IT Applications (Business, Technology)

Filter criterias: specialization "Appl.(Business), Appl.(Technology)"; lifecycle state "In development", "In production"; status: "Draft", "Released"; This query drives the creation of Confluence pages in directory "IT Applications (EAM)".

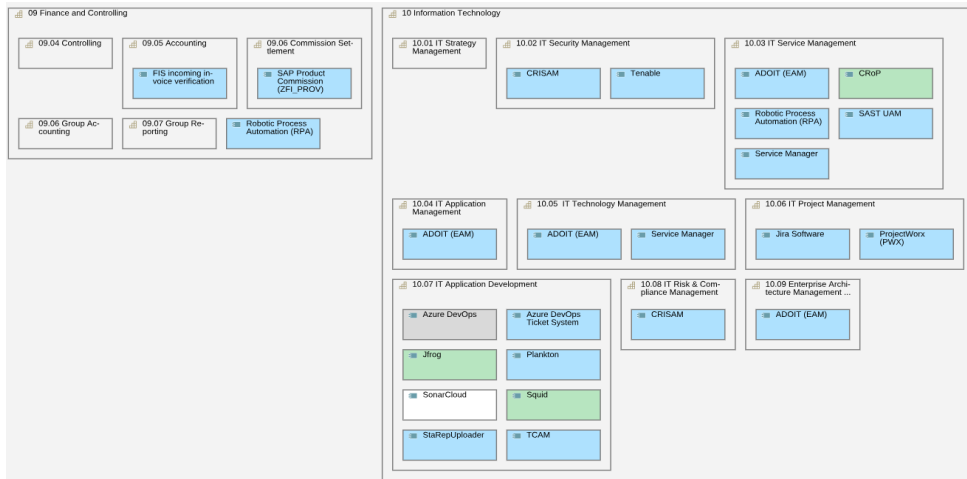
Name ↑↓	Description ↑↓	Responsible business actors	Accountable business actors	Consulted business actors	Realizes	Associated to	Lifecycle state
demo							
Demo App	Demo Application Description	Demo Person	Demo Person	Demo Person	90.00 Demo Capability	AS900 - Demo Application Service	In development

Powered by ADOIT | Funktion anfordern

## IT Service Master data (Confluence page)

# Application examples (2)

Excerpt from the IT Application Landscape (ADOIT+ Confluence)



New roles in the application environment (ADOIT+ Confluence)

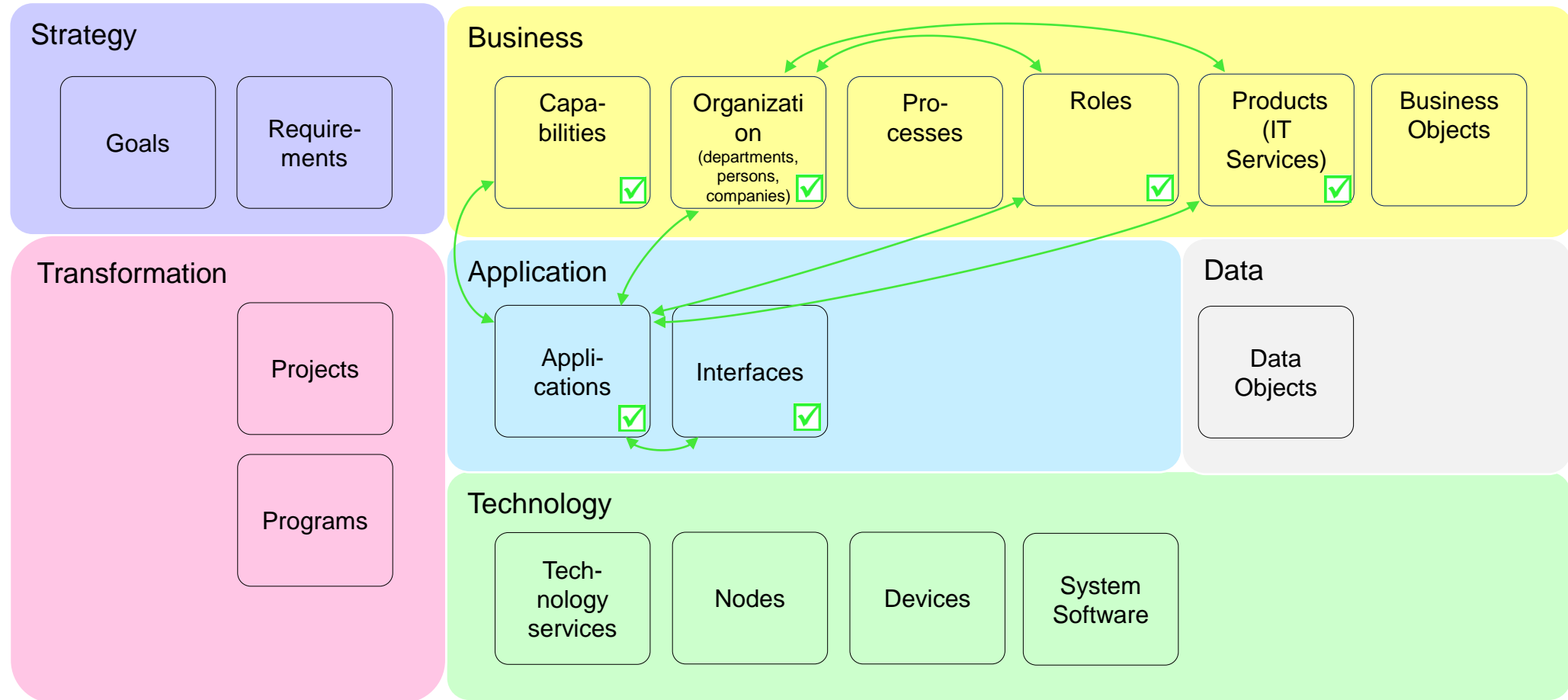
**02 Business Process Roles**  
Filter criteria: \* Specialisation: Business Role \* Lifecycle state: In development, In production \* Status: Draft, Released - This query drives the creation of Confluence pages in directory "Business Roles".

Name ↑↓	Description ↑↓	Responsible business actors	Accountable business actors	Realizes	Has assigned	Lifecycle state ↑↓
<b>IT Application / Technology Owner</b>	The IT Application / Technology Owner is responsible for the operation, further development and - if necessary - decommissioning of an application or technology. It represents a subordinate role to the IT Service Owner (not disciplinary!) in the IT landscape. ENGEL IT <i>Alles anzeigen</i>			<ul style="list-style-type: none"> <li>10.05 IT Technology Management</li> <li>10.09 Enterprise Architecture Management (EAM)</li> <li>10.04 IT Application Management</li> </ul> <i>Alles anzeigen</i>		In production
<b>IT Service Owner</b>	Der Service Owner trägt die Verantwortung für die Gesamtleistung und Bereitstellung eines IT-Services. Dabei ist er für die Verwaltung, Bereitstellung und kontinuierliche Verbesserung eines oder mehrerer IT-Services verantwortlich. Die Rolle stellt sicher, dass die Dienstleistung(en) <i>Alles anzeigen</i>			<ul style="list-style-type: none"> <li>10.09 Enterprise Architecture Management (EAM)</li> <li>10.03 IT Service Management</li> </ul> <i>Alles anzeigen</i>		In production

Maintenance of application master data (ADOIT)

# "Digital Company Map" (BIG Picture) for the company

Impact of use cases on the "networking" of EAM business objects



Use Case #1: "Googling and documenting applications"



# Use Case #2 "Processing requirements uniformly"



Initial state	Target state
<b>No</b> company-wide <b>overview</b> of all current <b>requirements for a specialist area</b>	Requirements classified according to <b>uniformly defined specialist areas</b> (capabilities)
<b>No</b> company-wide <b>standardized requirements process</b> - can lead to different or redundant solutions for identical problems, e.g. in different locations	Central, company-wide <b>standardized process</b> independent of the specialist area or requester concerned
Responsibilities for specialist areas are not uniformly regulated throughout the company - there are <b>no centrally defined specialist areas</b> (e.g. "Production") or <b>roles</b> (e.g. "REQ Engineer") with corresponding employee assignments	Responsibilities for specialist areas are <b>centralized via roles and specialist areas</b> (capabilities). The specific assignment of employees takes place directly in the requirement

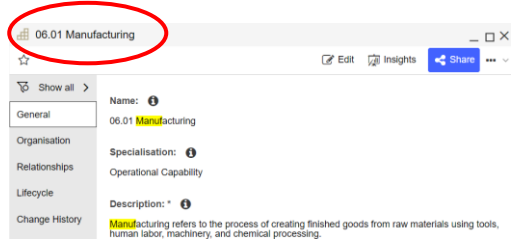
# Solution concept



What should be implemented?	With what ?		
	ADOIT	Confluence	Jira
Central recording and processing of all requirements for all departments			X
Development of a company-wide standardized "capability map" for the classification of requirements	X	X	
Regulation of responsibilities for requirements via standardized roles per capability: "Process Manager", "Process Owner", "REQ Engineer", "IT Solution Architect", "Key User"	X	X	X
Embedding capabilities and roles in the "Digital Company Map" (ADOIT, Confluence)	X	X	

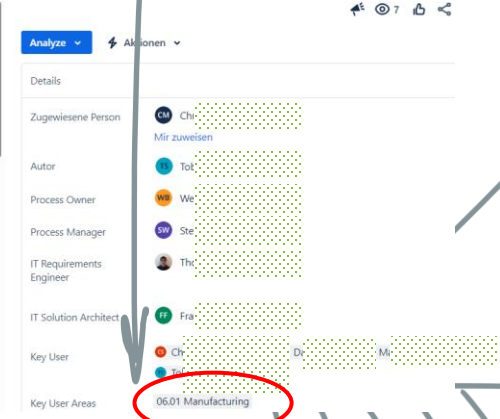
# Application examples

Create capability (ADOIT)



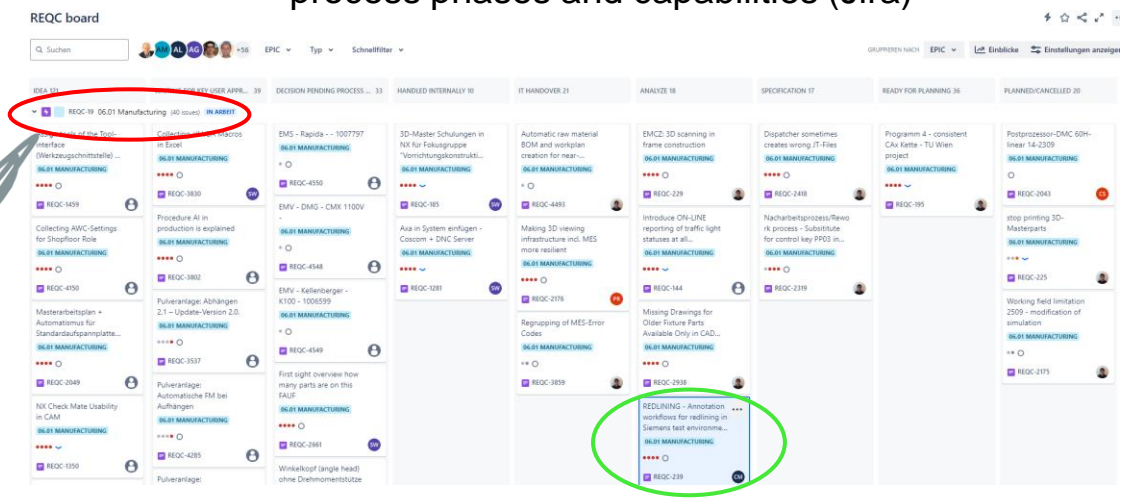
Record requirement incl. capability classification (Jira)

REDLINING - Annotation workflows for redlining in Siemens test environment and later in production system

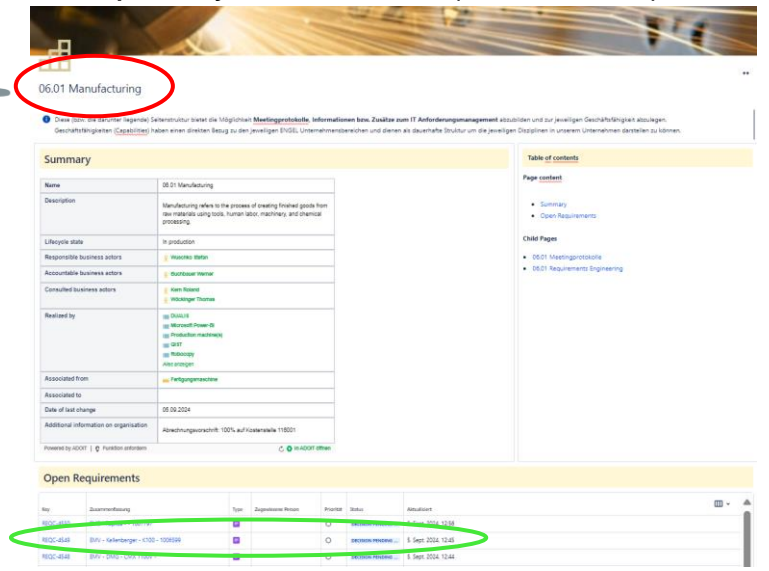


1. Visualisierung im AWC Viewer (bei Client-side und Server-side Rendering) stürzt regelmäßig ab.
2. Indexer lädt manche Bauteile nicht in die Schnellsuche, da er zu gewissen Zeiten abstürzt z.B. 1935-000-00-423 wurde erst kürzlich von Fraundorfer F. nachgepflegt
3. Drehperformance im AWC Viewer  
[https://engelglobal.sharepoint.com/sites/1009/\\_layouts/15/stream.aspx?id=%2Fsites%2F1009%2FFreigegebene%20Dokument%2FDrehperformance%20AWC%2DViewer%2Emp4](https://engelglobal.sharepoint.com/sites/1009/_layouts/15/stream.aspx?id=%2Fsites%2F1009%2FFreigegebene%20Dokument%2FDrehperformance%20AWC%2DViewer%2Emp4)

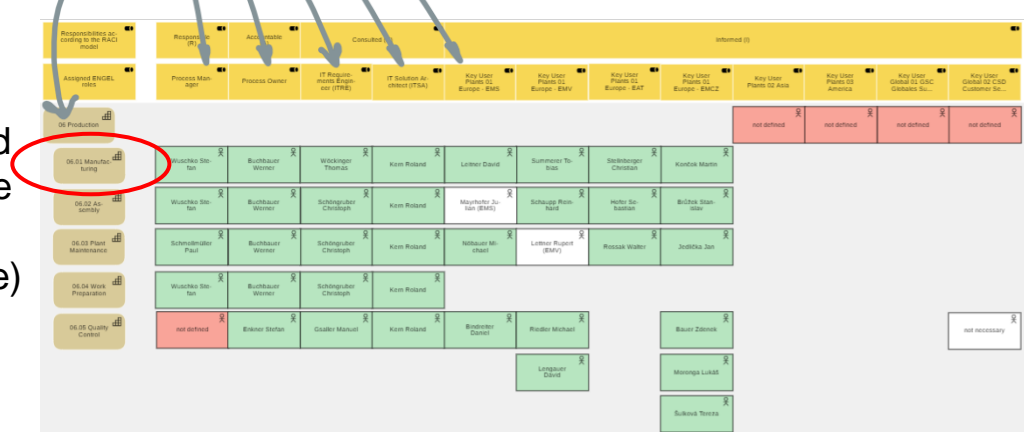
Overview of requirements according to process phases and capabilities (Jira)



Capability master data (Confluence)



Persons involved (role-related) from the capability map: (Jira+ ADOIT+ Confluence)





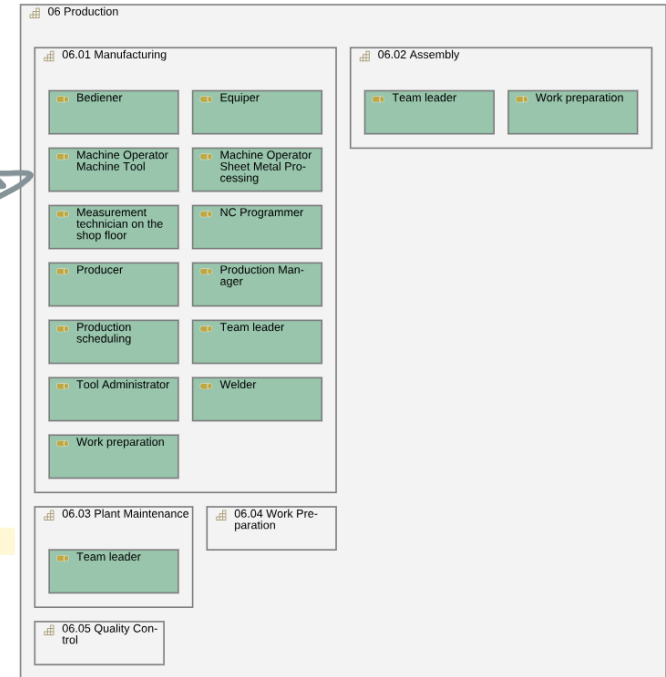
# Application examples

Capabilities in list form  
(Confluence+ ADOIT)

**06 ENGEL Business Capabilities (Level 2) for Requirements Management**  
Filter criteria: Business capabilities; Specialisation "Operational", Level 2, Lifecycle state: "In development, In production" - This query drives the creation of Confluence pages in the directory "ENGEL Geschäftsbereiche / Business Capabilities"

Name ↑↓	Description ↑↓	Responsible business actors	Accountable business actors	Consulted business actors	Informed business actors	Realized by	Lifecycle state ↑↓
06.01 Manufacturing	Manufacturing refers to the process of creating finished goods from raw materials using tools, human labor, machinery, and chemical processing.					<ul style="list-style-type: none"> <li>WeldCube</li> <li>Robotic Process Automation (RPA)</li> <li>WICAM</li> <li>SAP-PP Capacity Planning</li> <li>Machine Operator Machine Tool</li> </ul>	In production
06.02 Assembly	In a production company, assembly refers to the process of combining individual components to create a finished product. This involves systematically putting together different parts according to a specific order and method to ensure efficiency and quality.					<ul style="list-style-type: none"> <li>Robotic Process Automation (RPA)</li> <li>ITA-LO Logistics</li> <li>Work preparation</li> <li>SAP-PP Work Centers</li> <li>SAP-PP Capacity Planning</li> </ul>	In production

Process roles map  
based on capabilities  
(Excerpt, Confluence+ ADOIT)



## Summary

Name	06.01 Manufacturing
Description	Manufacturing refers to the process of creating finished goods from raw materials using tools, human labor, machinery, and chemical processing.
Lifecycle state	In production
Responsible business actors	Wolchko Stefan
Accountable business actors	Dachauer Werner
Consulted business actors	Keim Roland Wölflinger Thomas
Realized by	DAFUG Microsoft Power-GI Production machinery DGT Robotics Alle anzeigen
Associated from	Fertigungsmaschine
Associated to	
Date of last change	05.09.2024
Additional information on organization	ghs/tes.commerce/06-1100% and kindanmeldung_1100011

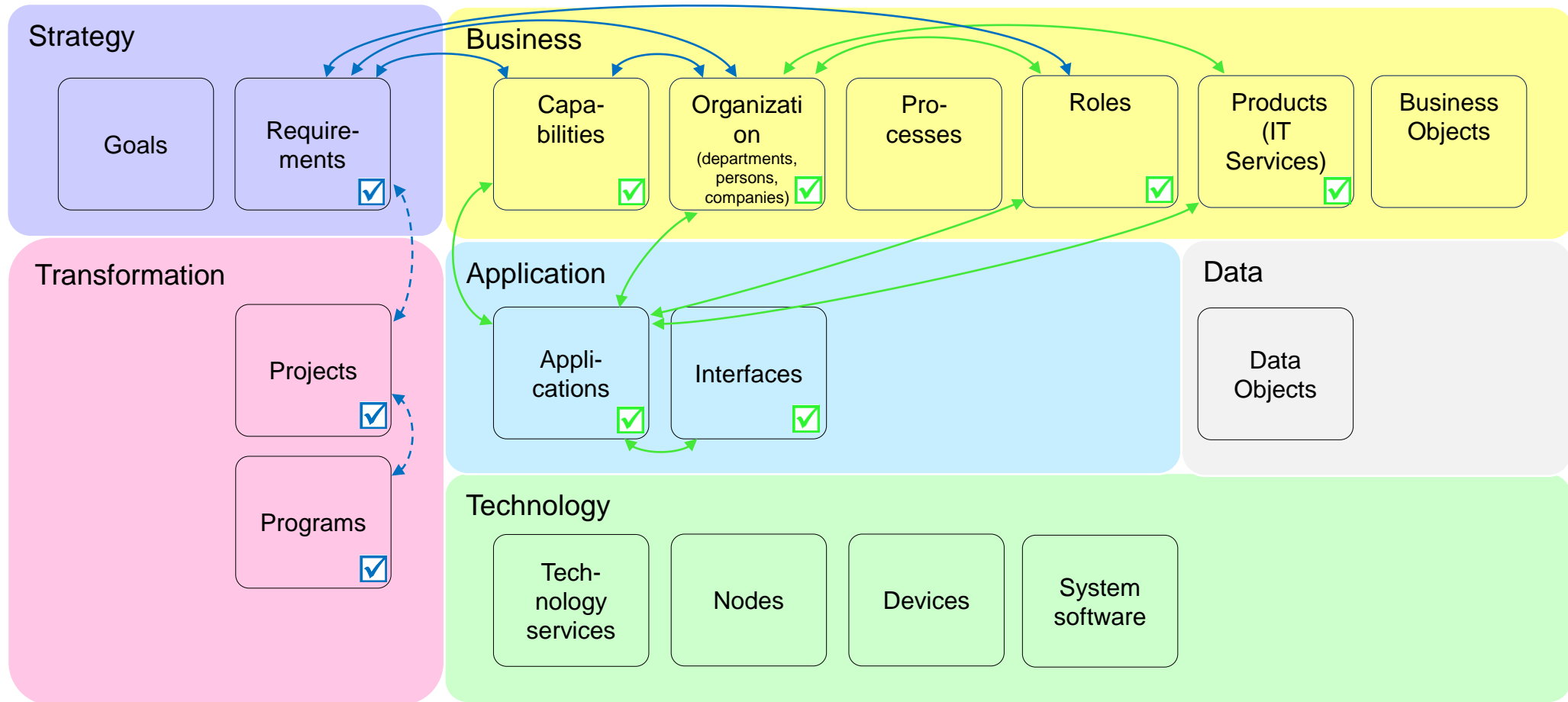
## Open Requirements

Key	Zusammenfassung	Type	Zugewiesene Person	Hoheit	Status	Aktualität
REQ-4550	EMG - Regale - 10027797	U	Nicht zugewiesen	O	DECISION PENDING PROCESS MA...	5. Sept. 2024, 12:56
REQ-4549	EMV - Kellnerberger - 8100 - 10005599	U	Nicht zugewiesen	O	DECISION PENDING PROCESS MA...	5. Sept. 2024, 12:45
REQ-4548	EMV - EMG - CMX 11000 -	U	Nicht zugewiesen	O	DECISION PENDING PROCESS MA...	5. Sept. 2024, 12:44
REQ-4493	Automatic raw material BCM and workshop creation for new standard recolor Part 1	U	Thomas Wöckinger	O	IT HANDOVER	5. Sept. 2024, 10:10
REQ-4285	Prüfprototyp Automatische IM bei Aufträgen	U	Nicht zugewiesen	O	WAITING FOR KEY USER APPROVAL	5. Sept. 2024, 07:52
REQ-4150	Collecting ABC-Settings for Shopfloor Role	U	Nicht zugewiesen	O	IDEA	15. Juli 2024, 16:04
REQ-4038	Transition of CRM Management to In-House Management and Billing of Reshaping Items In...	U	Thomas Wöckinger	O	ANALYZE	26. Aug. 2024, 14:48

Capability master data for  
"06.01 Manufacturing"  
incl. requirements  
(Confluence+ Jira+ ADOIT)

# "Digital Company Map" (BIG Picture) for the company

Impact of use cases on the "networking" of EAM business objects

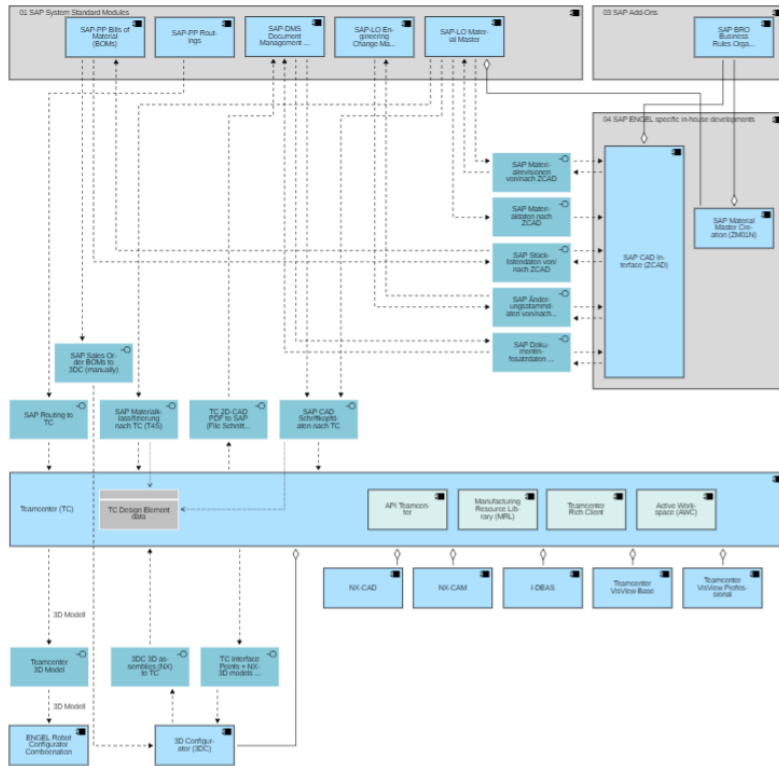


Use Case #1: "Googling and documenting applications"

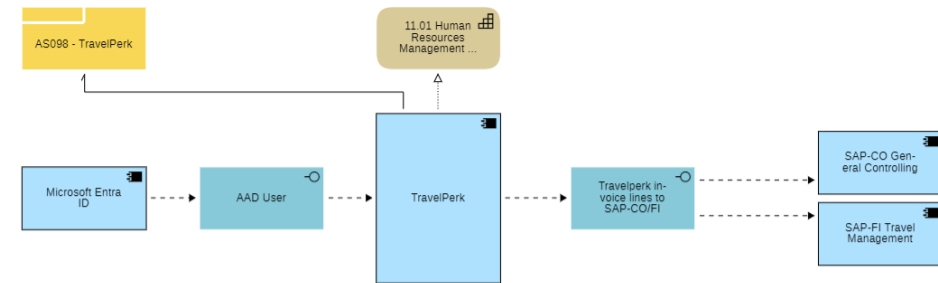
Use Case #2: "Processing requirements uniformly" (for expansion stage, see )

# Further use cases: in implementation

- Requirement process: application and capability diagrams (AS-IS and target diagrams) for each requirement or IT project



Example: Comprehensive „AS-IS application diagram“ ERP/PLM environment for an ongoing project



Example: typical "BIG picture" for a "simple" application

# Further use cases: completed or planned

## planned

- Automated, role-based provision of hardware and software for the specialist departments
- Technology modeling  
(Create dependencies between the application and the supporting technologies)
- Portal for projects and programs (with dependencies on requirements and roles)
- Portal for top-level company processes:  
Merging ENGEL process management with EAM via links between processes between processes, roles, applications, capabilities



## completed

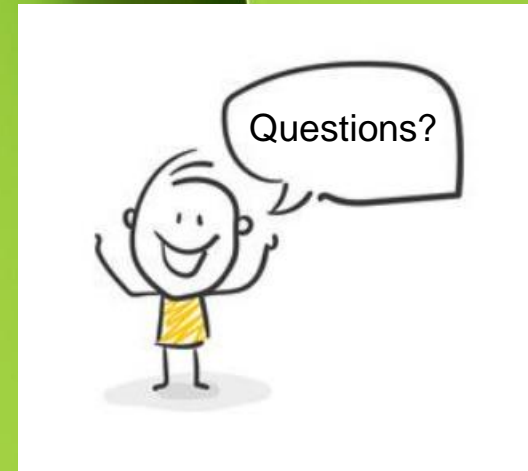
- ✓ Portal page for ENGEL IT partner companies and their employees
- ✓ Portal page for IT processes incl. associated capabilities, roles and applications
- ✓ Portal page for roles incl. associated capabilities and persons
- ✓ Portal page for capabilities incl. associated roles, persons and meeting minutes



# A "digital map" for everyone

DI Karl Jechtl  
IT Enterprise Solution Architect

ENGEL Austria GmbH





**ADOIT**

Enterprise Architecture Suite

**BOC Group**  
Design Your Enterprise

# Enterprise Architecture Management with ADOIT

Christian Höllwieser

16/09/2024



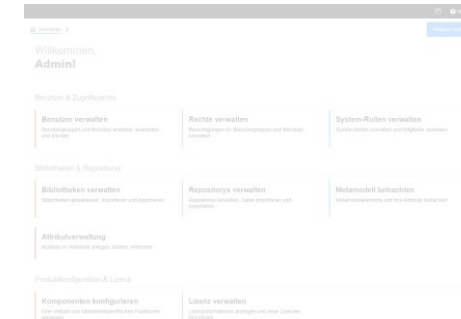
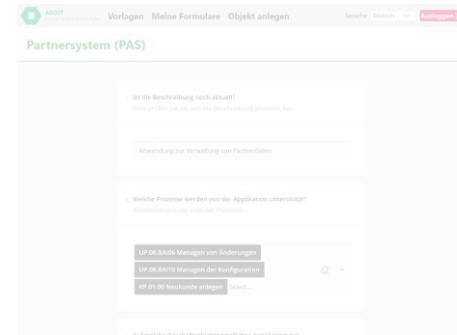
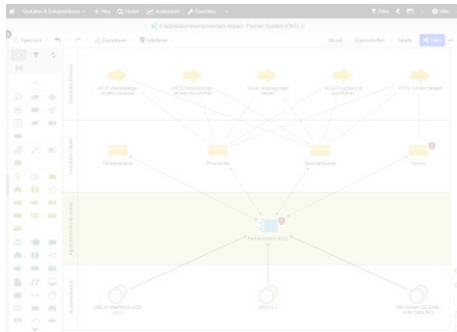
Design & Document

Workspaces

Forms

Read & Explore

Web Administration




Design

Collaborate

Consume

Configure & Administrate

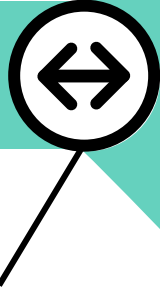
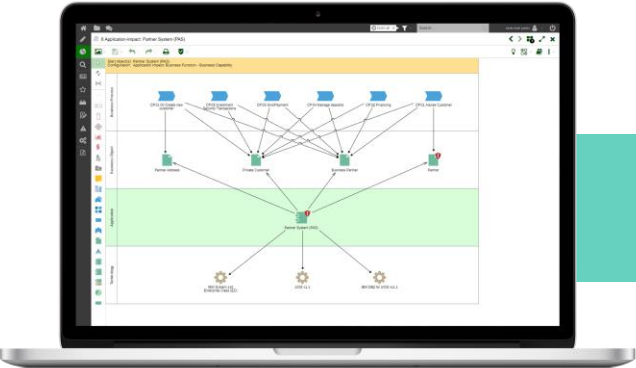
# Bring EAM closer to the User



**ADOIT**  
Enterprise Architecture Suite  
*by boc-group.com*



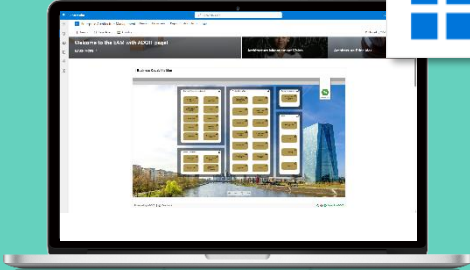
**ADOIT**  
Enterprise Architecture Suite



**Live Integration:**  
Models, Objects, Searches,  
Formulars, *etc.*



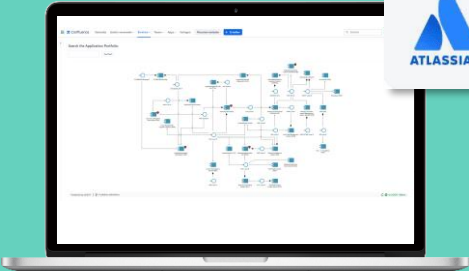
Available on  
**Microsoft AppSource**



**Microsoft 365**



Available on the  
**Marketplace**

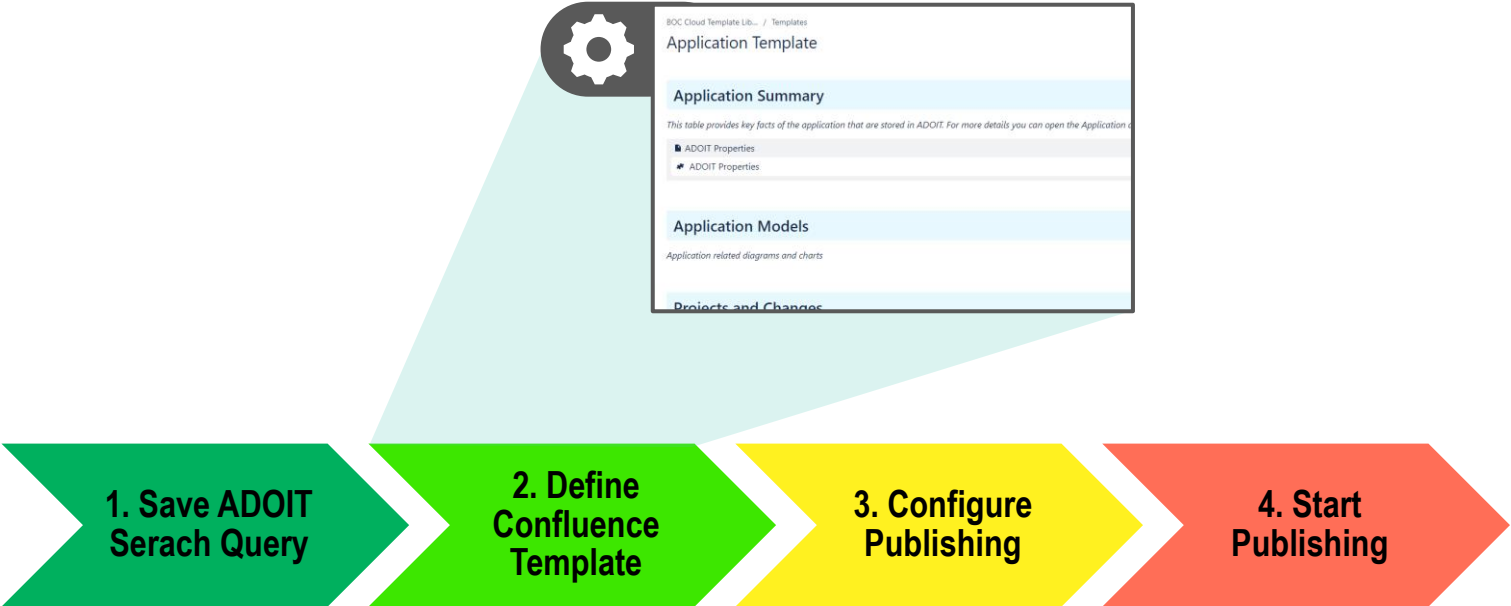


**Confluence**





# Generate Confluence Pages automatically

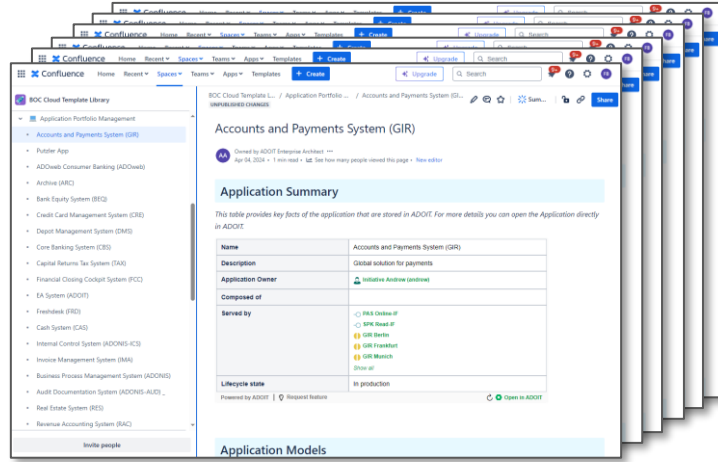
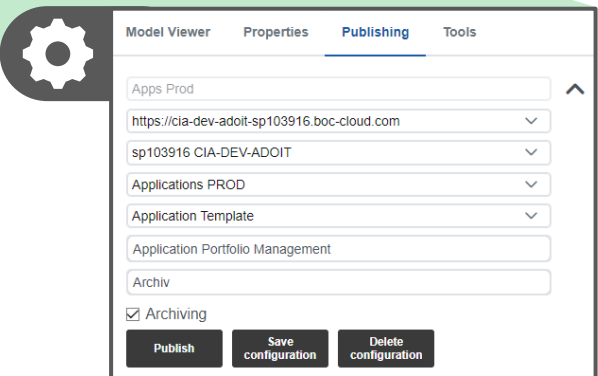
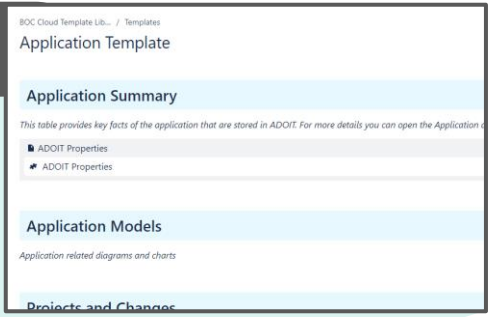
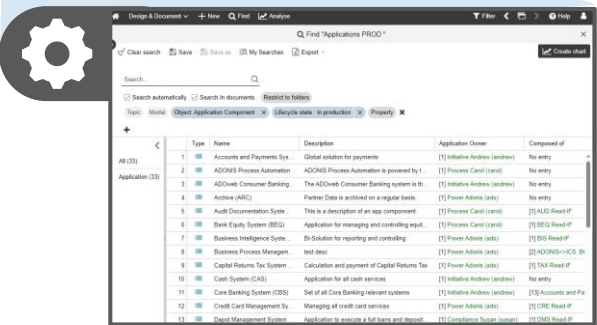


1. Save ADOIT Serach Query

2. Define Confluence Template

3. Configure Publishing

4. Start Publishing



# Your Benefits

---



**ADOIT**

Enterprise Architecture Suite  
by boc-group.com



## Common Knowledge Base

- ▶ Combination of structured EA repository content with the flexibility of Confluence
- ▶ An integrated IT and architecture documentation without redundancies



## Increased Visibility

- ▶ Involve other Stakeholders like Project Manager, Technical Specialists, Operations etc.
- ▶ Visible architectural content in Confluence promotes feedback loops ADOIT data quality



## Simplified Usage

- ▶ Automatically generated template-based pages & intuitive navigation between ADOIT macros
- ▶ Minimizing the entry barrier: No special know-how or training required

# How to get started with the Confluence Integration


## Confluence Cloud

**ADOIT Enterprise Architect for Confluence**  
by BOC Group  
for Confluence Cloud, Confluence Server 8.0.0 - 8.2.3, Confluence Data Center 8.0.0 - 8.2.3 and more  
★★★★☆ 37 installs  
SUPPORTED

[Try it free](#)

[Overview](#) [Reviews](#) [Pricing](#) [Privacy & Security](#) [NEW](#) [Support](#) [Versions](#) [Installation](#) [Cloud](#)

Seamlessly publish your digital architecture portfolios and foster cross-domain transparency and collaboration



**Bring Your Enterprise Architecture To Life**  
Explore digital portfolios and the different states of your enterprise architecture. Leverage powerful insights and reports. Share, discuss and collaborate with peers. All from the comfort of your own Confluence space.

[Installation manual](#)  
[Hard and software requirements](#)  
[Online documentation](#)

**Try it out Now**

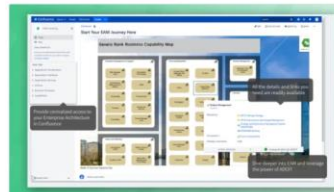
## Confluence Data Center

**ADOIT Enterprise Architect for Confluence**  
by BOC Group  
for Confluence Cloud, Confluence Server 8.0.0 - 8.7.2, Confluence Data Center 8.0.0 - 8.7.2 and more  
No reviews yet 70 installs  
SUPPORTED

[Try it free](#)  
[Buy it now](#)

[Overview](#) [Reviews](#) [Pricing](#) [Privacy & Security](#) [NEW](#) [Support](#) [Versions](#) [Installation](#) [Data Center](#)

Seamlessly publish your digital architecture portfolios and foster cross-domain transparency and collaboration



**Bring Your Enterprise Architecture To Life**  
Explore digital portfolios and the different states of your enterprise architecture. Leverage powerful insights and reports. Share, discuss and collaborate with peers. All from the comfort of your own Confluence space.

[Installation manual](#)  
[Hard and software requirements](#)  
[Online documentation](#)

**Try it out Now**

# Connect with us.

And feel our heartbeat



- Free Webinars and regional Events
- Trending Topics in BPM, EA & GRC
- Updates, News & Highlights

[www.boc-group.com/newsletter](http://www.boc-group.com/newsletter)



**ADOIT**  
Enterprise Architecture Suite