

LIVING **LOGISTICS**





**ENTERPRISE ARCHITECTURE
APPLICATION
PORTFOLIO
MANAGEMENT
@TGW**

AGENDA



About TGW



Application Portfolio Management @TGW



ETL-Toolchain & ADOIT REST API



Application Ownership



Reporting

ONE STOP SOLUTION PROVIDER

TGW

- Global systems integrator for highly automated, efficient and future-proof fulfilment centres
- Overall package of solutions from planning, realisation, software to Lifetime Services
- more than 4,400 employees
- Turnover: 924.1 million EUR (2021/22)
- 24 locations worldwide



WITHOUT DOCUMENTATION THERE'S CHAOS.

FAQ – TGW APPLICATIONS

- Who is the contact person for an Application (Support, Changes, Strategy...)?
- What is the current status of an Application (Importance, Security, Business Fit...)?
- What Applications are connected to an Application?
- What Capabilities does an Application provide?
- Which Processes are supported by an Application?
- Which Applications are official?

Old solution for finding an answer:

Try to find somebody that knows somebody that can answer these questions.

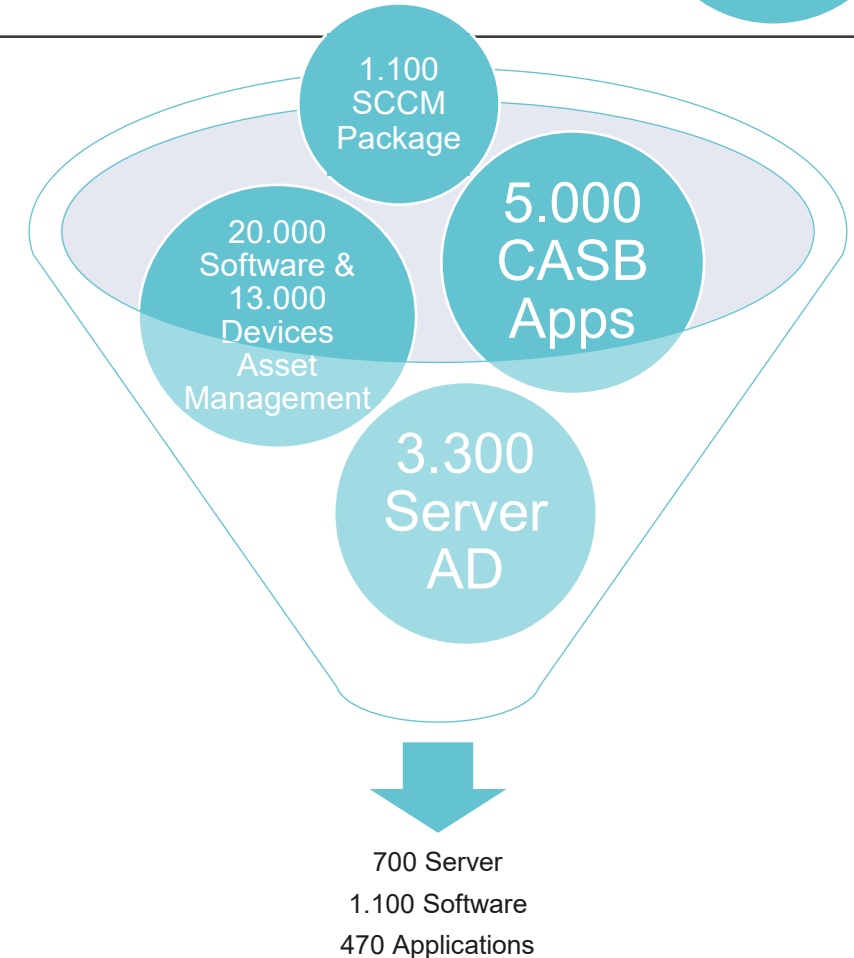
APM AS BASIS FOR IT-EA.

APM PROJECT

- Established ADOIT as IT-EA repository
- Metamodel & Modelling Guideline established
- **Semi-automated update** of system software, cloud services and servers established
- First **Power BI reports** created
- First application landscapes published
- Basis for **Application Ownership** created

Future additional sources

Internal Web Services DNS



ETL-TOOLCHAIN IN ENTERPRISE ARCHITECTURE.

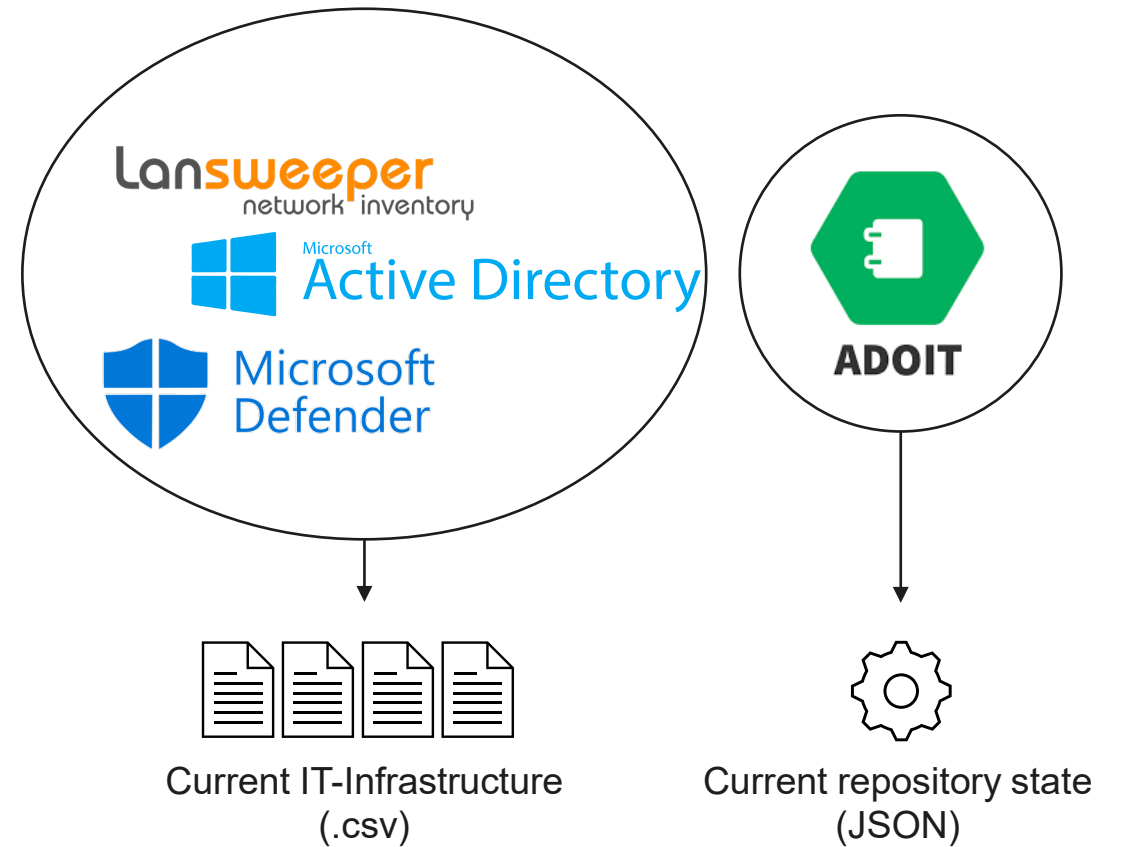
SEMI AUTOMATED UPDATES



INTEGRATION NOT DUPLICATION.

EXTRACT

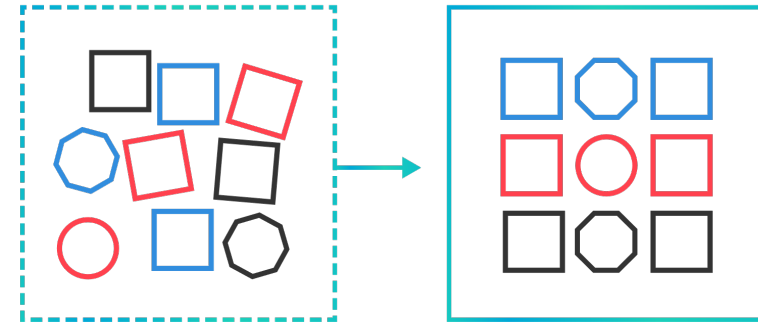
- Data Sources
 - Lansweeper reports ~ 40.000 entries
 - i.e.: installed Software per Asset
 - Active Directory report ~ 7.000 entries
 - i.e.: Asset descriptions
 - MS Defender report ~ 5.000 entries
 - i.e.: cloud services
- Monthly creation & export of reports
- ADOIT
 - Needed for comparison
 - Fetched via REST



TURN DATA INTO INFORMATION.

TRANSFORM

- Focus on relevant entries via filter rules
 - i.e.: drivers, installation count<10, ...
- Aggregation of entries
 - i.e.: only major version of software in ADOIT repository
- Categorization of entries
 - i.e.: Softwarecategories
 - Done via configuration files
- Identification of relationships
 - i.e.: Software realizes Application
 - Done via pattern matching




- Comparison of ADOIT and tool data
 - Update file containing all needed repository changes is created
- Semi-automatic validation of update file
 - Adaption of update file
 - Adaption of configuration files
- Automatic repository update via update file

ADOIT AS IT-EA DATAWAREHOUSE.

LOAD

- Repository update
 - Done via REST API of ADOIT
 - Dedicated technical user
 - Relevant historical data stored in ADOIT for reporting
 - i.e.: installation count of Software

Name: 

7-Zip (v22)

ID: 


IGORPAVLOV_7zip




Specialisation: 

PC-Win

Description: * 

Updated on 2023-02-28 14:23:32.842221 - installations and aggregated software items

Vendor: 

	Type	Name		
1		IGOR PAVLOV		

Installations

Installations - Detection Information: 

approximation

Installations: 

4883

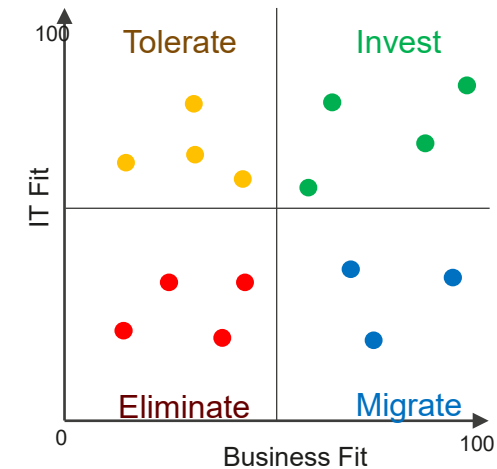
Installation History:

	Timestamp	Numer of Installations
1	01.08.2022	4424
2	31.10.2022	4671
3	22.11.2022	4706
4	13.12.2022	4751

DATA QUALITY STARTS WITH CLEAR RESPONSIBILITY AND OWNERSHIP.

APPLICATION OWNERSHIP

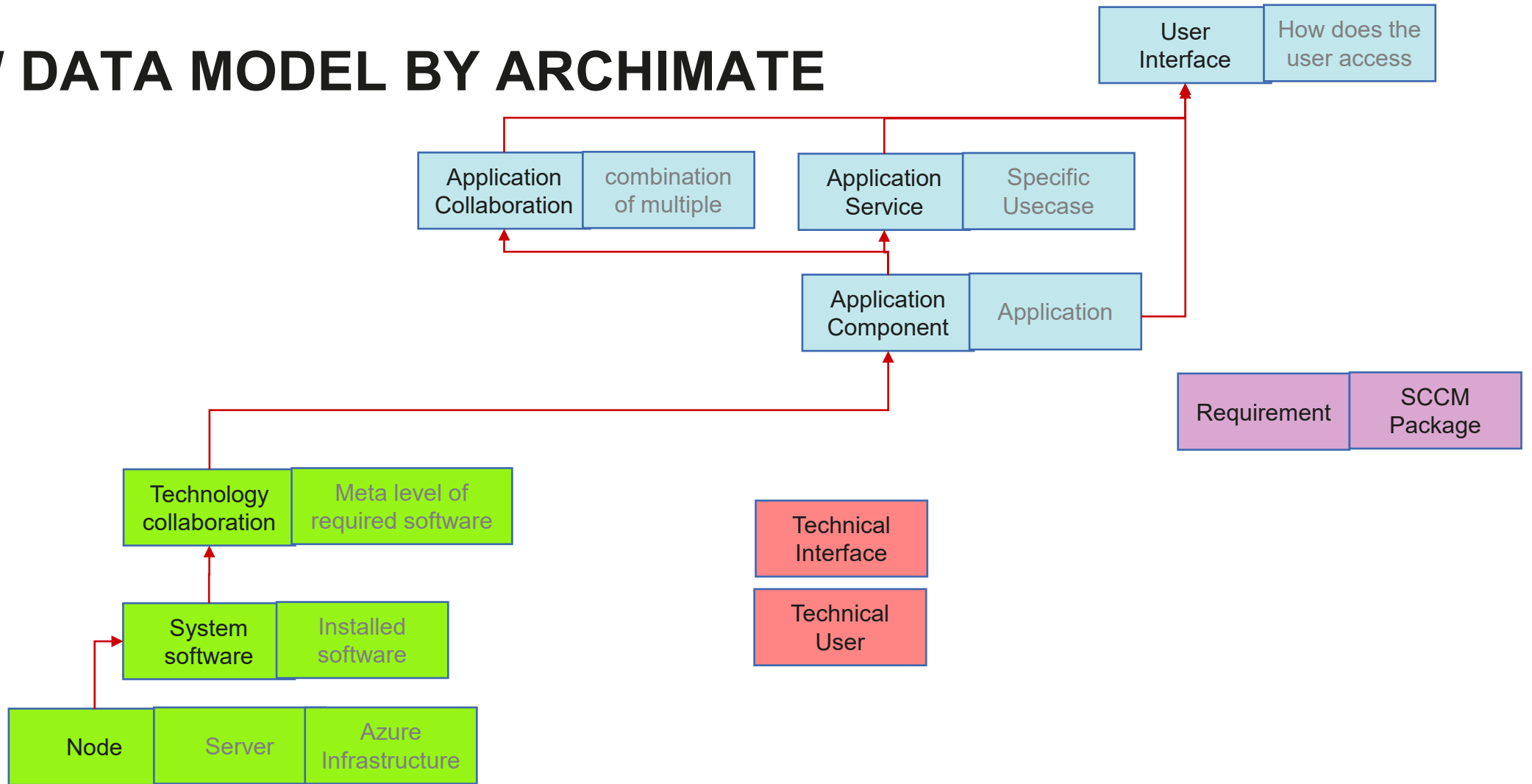
- Business Application Owner (BAO) :n
 - Responsible for functionality, usability & costs
 - Prioritizes functional requirements
- Technical Application Owner (TAO) :1
 - Responsible for architecture, availability & security
 - Implements and maintains application
- BAO & TAO responsible for maintaining Application attributes in ADOIT
 - i.e.: Business Fit & IT Fit



- Basis for further IT-EA initiatives
 - Ensures data quality
 - Enables decision making
- Represents an organizational change
 - Management support needed

TGW DATA MODEL IS STRUCTURED BY ARCHIMATE

TGW DATA MODEL BY ARCHIMATE



MAKING INFORMATION ACCESSIBLE.

REPORTING

- Power BI report
- Based on BOC template
- Usage of ADOIT REST interface
- Reports
 - Strategic Importance
 - Quality Assurance Report
 - Application Fitness (Support, IT, Cost, Security, Business, Continuity)
 - Application per Business Capability

WHERE WE ARE AND WHERE WE GO NEXT.

TGWS ENTERPRISE ARCHITECTURE STRATEGY

- (Semi-) **automatic updates** for established
- High **quality data** for IT-infrastructure components
- Ongoing refinement and improvement of import logic

- **Contact persons**
- **Up-to-date Application statuses** maintained by owners
- **Organisation for APM & IT-EA established**

- Create **basis for management decisions**
- Applications and processes connected
- **Reporting**
 - TIME Matrix

AUTOMATIC IMPORT

APPLICATION OWNERSHIP

STRATEGIC DECISION MAKING



ADOIT

Enterprise Architecture Suite

Integration & Kollaboration mit ADOIT

BOC Open Day 2023

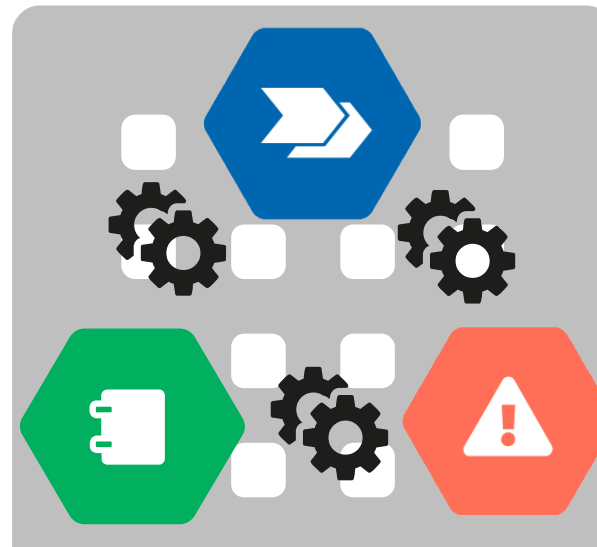
Christian Höllwieser, BOC Group

Wien, 14. September 2023



Integration: BOC Management Office

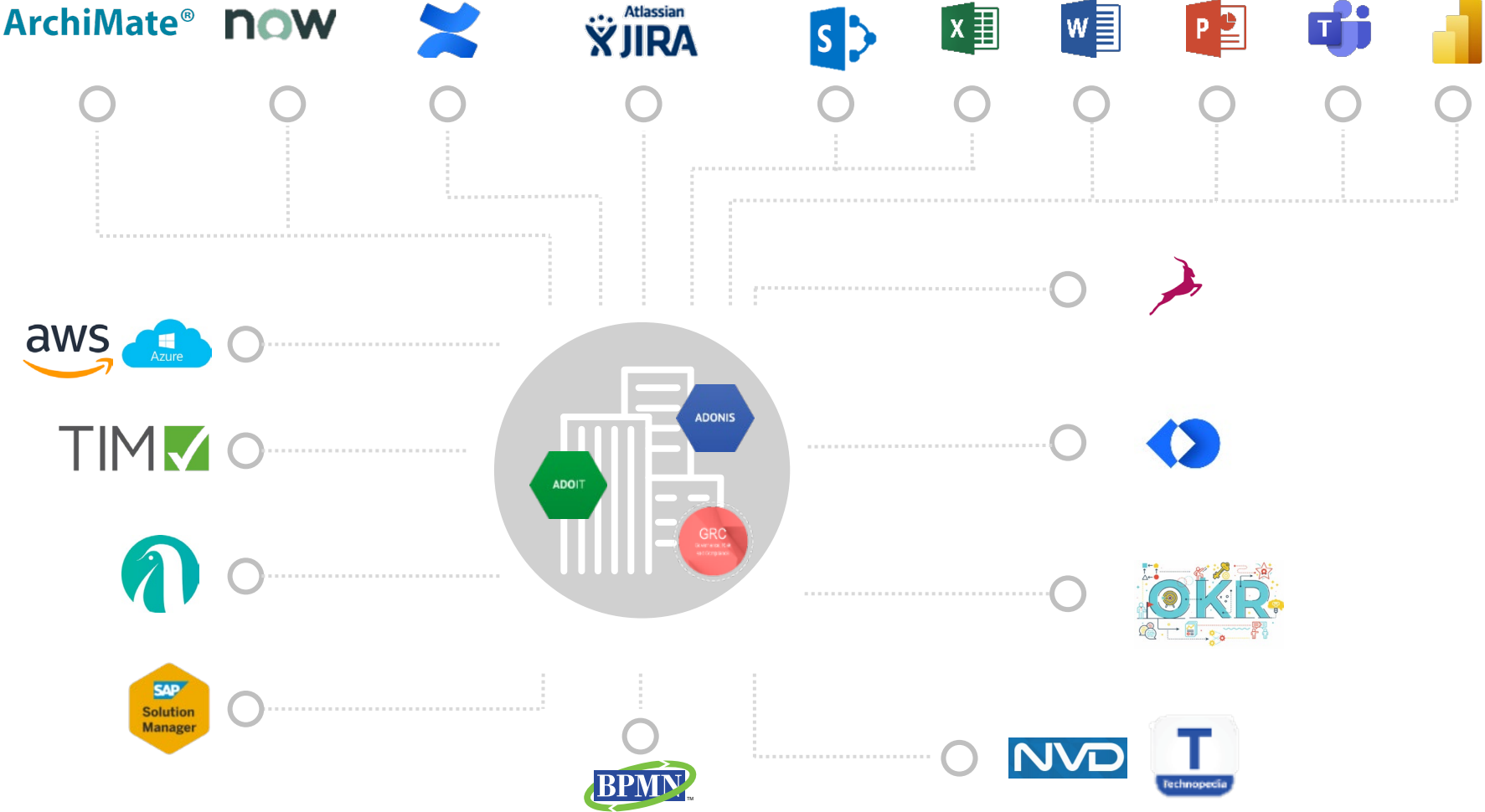
Austausch von Anwendungen und
Prozessen



Austausch von Risiken, Kontrollen und
Prozessen

Austausch von Risiken und Assets

Überblick über Integrationsmöglichkeiten



Kollaboration: User Centric Services in ADOIT

Die neuen Services betreffen:

- ▶ Nicht-EA und nicht-ArchiMate Experten, sowie Nicht-ADOIT Benutzer, die Architekturarbeit ohne vorherige Schulung durchführen wollen/müssen.
- ▶ Architekten, die große Gruppen von Experten für einen ganz bestimmten EA-Anwendungsfall einbinden und eine unternehmensweite Zusammenarbeit ermöglichen wollen.
- ▶ Manager, die an wichtigen EA-Ergebnissen interessiert sind, die für die Entscheidungsfindung verwendet werden können.



**Digital
Business
Teams**



Managers



DevOps



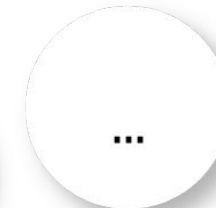
**Innovation
Leads**



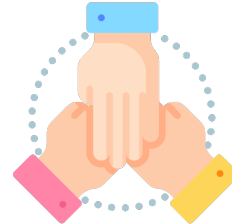
**Business
Experts**



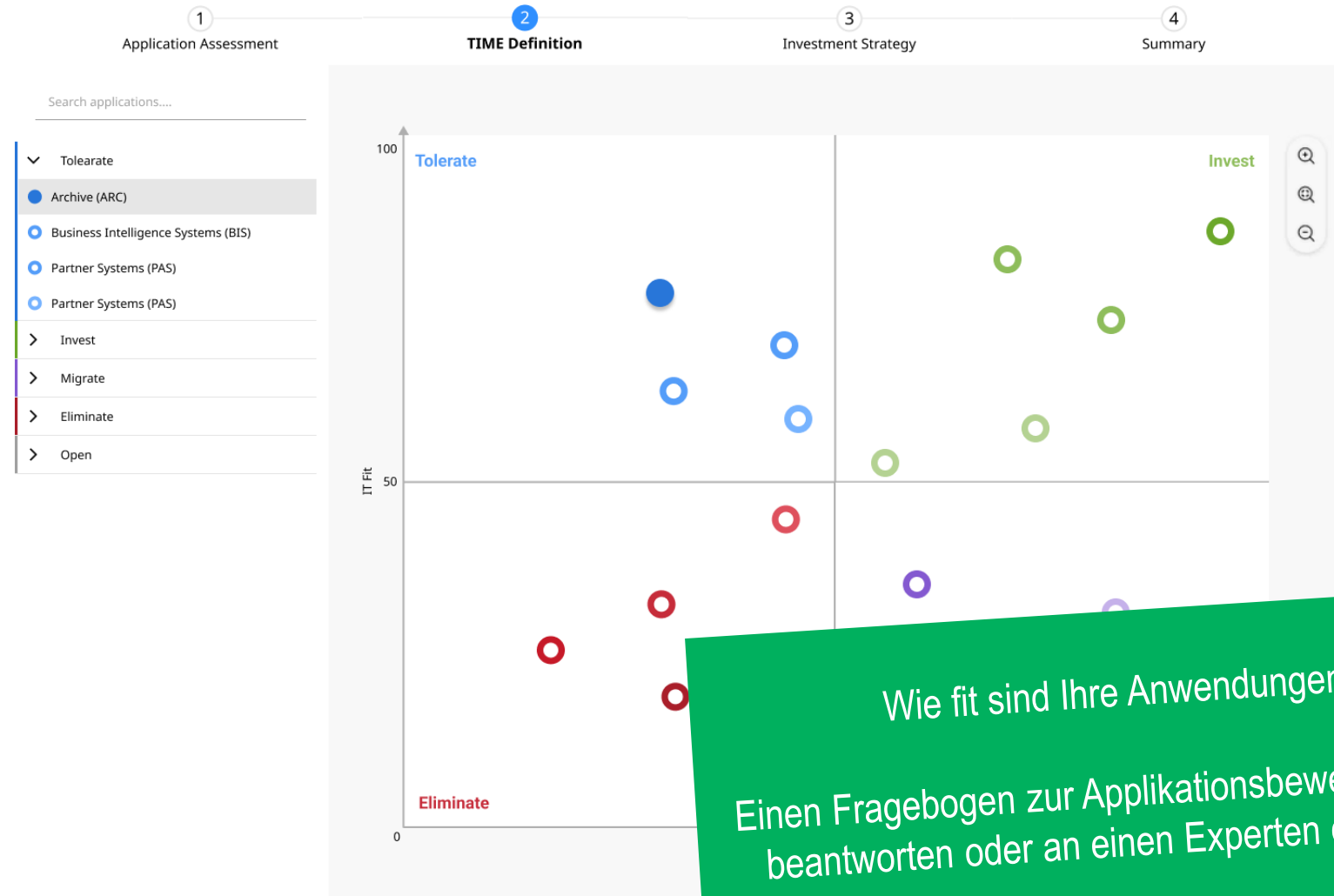
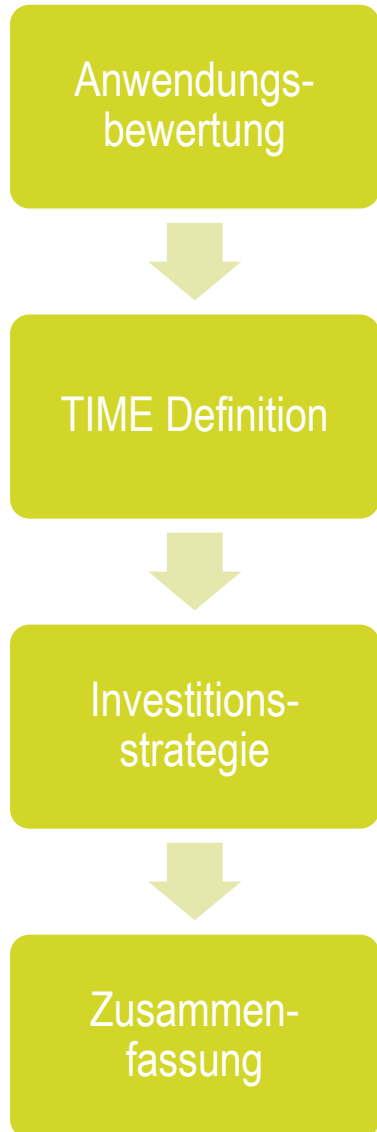
Marketing



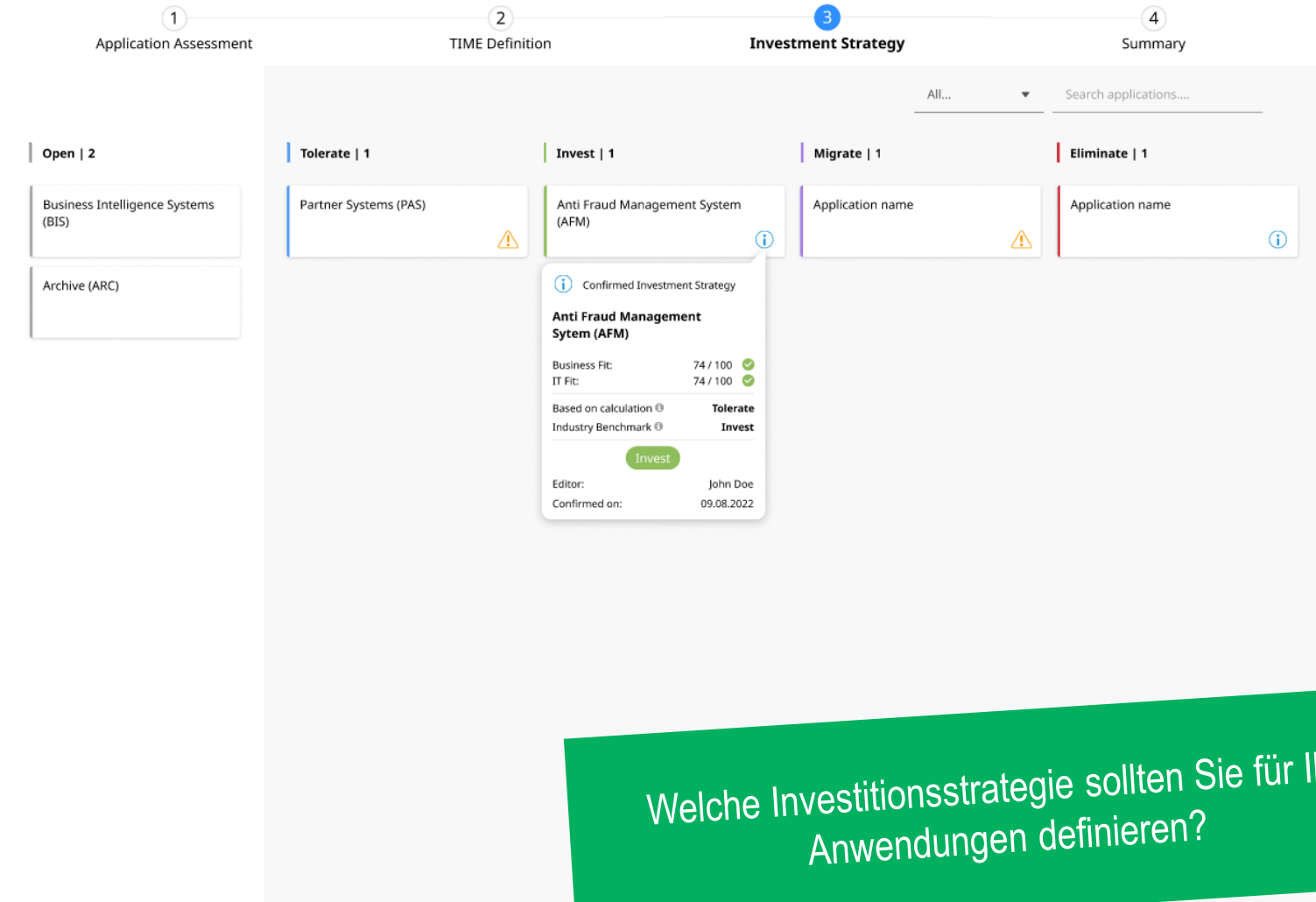
**Enterprise
Architects**



Application Investment Planning



Application Investment Planning



The screenshot displays the 'Investment Strategy' step (3) of the ADOIT process. It features a navigation bar with four steps: 1. Application Assessment, 2. TIME Definition, 3. Investment Strategy (highlighted), and 4. Summary. The main content area is divided into four strategy categories: 'Open | 2', 'Tolerate | 1', 'Invest | 1', and 'Eliminate | 1'. The 'Invest | 1' category is selected, showing a card for 'Anti Fraud Management System (AFM)'. A tooltip is open over this card, displaying a 'Confirmed Investment Strategy' for the AFM system with a score of 74/100 for both Business Fit and IT Fit. The tooltip also shows a comparison with an industry benchmark, a green 'Invest' button, and the editor's name (John Doe) and confirmation date (09.08.2022). Other cards in the 'Tolerate' and 'Eliminate' categories show 'Partner Systems (PAS)' and 'Application name' respectively, with warning icons. A search bar at the top right allows for searching applications.

Welche Investitionsstrategie sollten Sie für Ihre Anwendungen definieren?

Q & A



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Enterprise Architecture Suite

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