



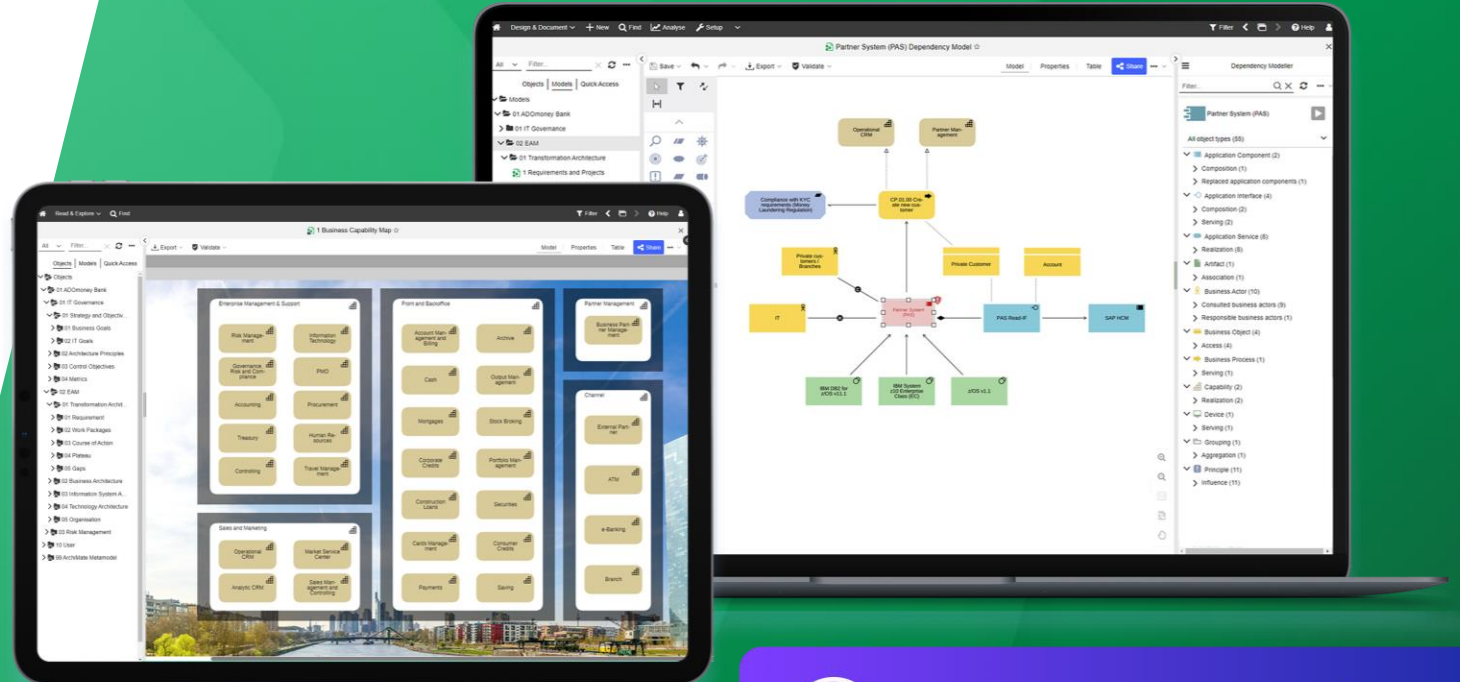
ADOIT

Enterprise Architecture Suite

BOC Group
Design Your Enterprise

Enterprise Architecture in the Age of AI

Product & AI Strategy 2026f
Dr. Christoph Moser



AI-Powered EA



ADOIT

Enterprise Architecture Suite



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Focus 1

Govern Business Transformation and AI Adoption.

Efficiency & Insights through
AI Powered EA

Reliable Information
as Trusted Context.

Main Fields of Activities for AI in ADOIT

1

**Manage AI
as Part of the
Enterprise
Portfolio**

EA Portfolio

2

**Define the
Organization's
AI Adoption
Journey**

EA Roadmapping

3

**Architect
the Future
Enterprise**

EA Solution Architecture

4

**Establish
Enterprise AI
Guardrails**

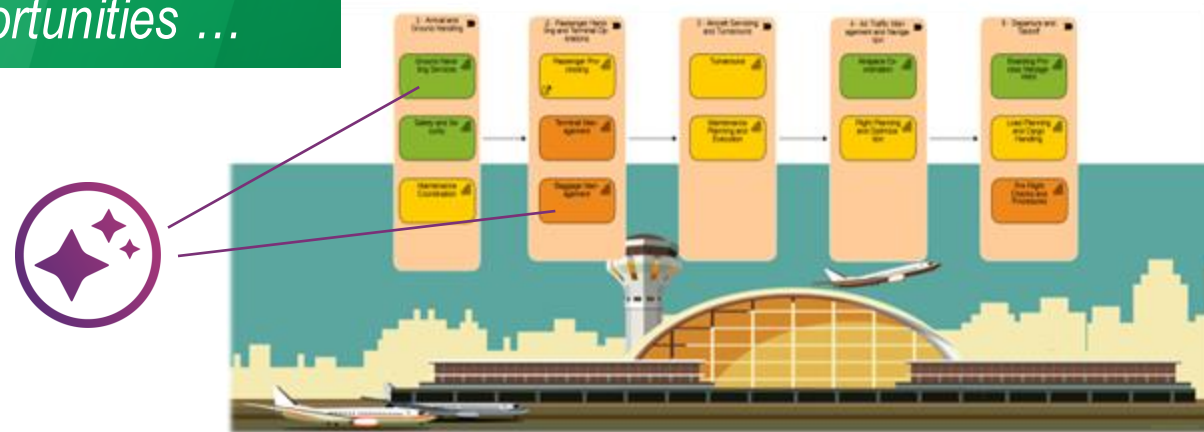
EA Governance

AI is the next strategic domain that must be understood, planned, integrated, and governed using the same proven EA practices.

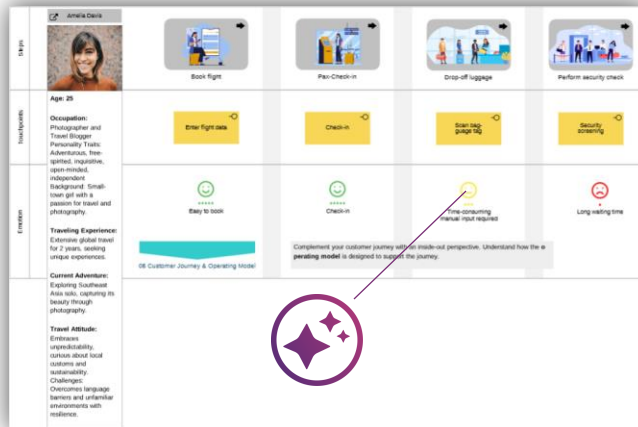
*Without Enterprise Architecture,
AI adoption becomes fragmented, inconsistent, and very difficult to govern.*

Manage AI as Part of the Enterprise Portfolio

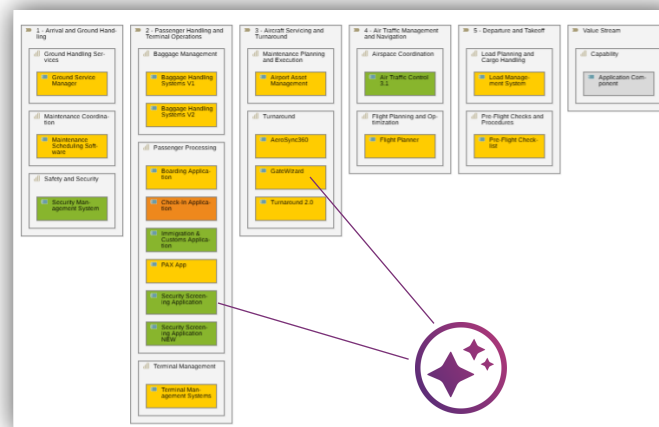
Pinpointing high-potential opportunities ...



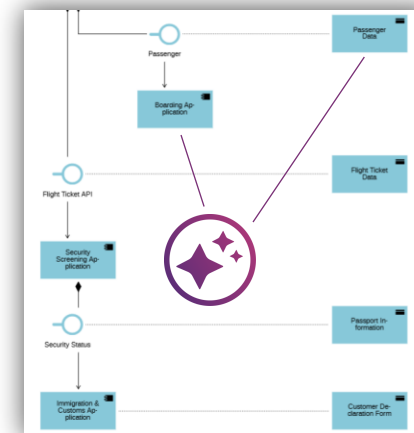
... and assessing the required changes at every level



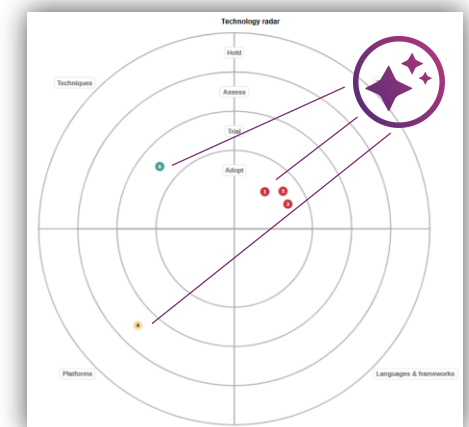
Customer Experience



Application Portfolio



Data Flows



Technology Radar

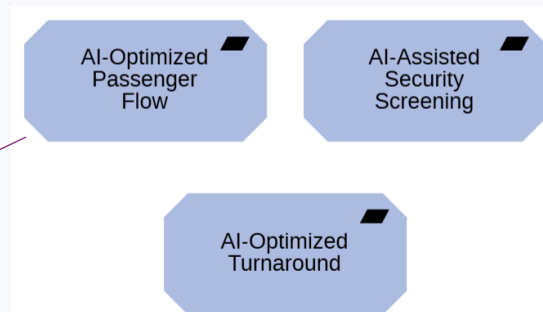
Define the Organization's AI Adoption Journey

1 Strategic Requirements

→ Define strategic AI requirements

Core Questions

- Which AI initiatives should we plan?
- What are the strategic requirements?

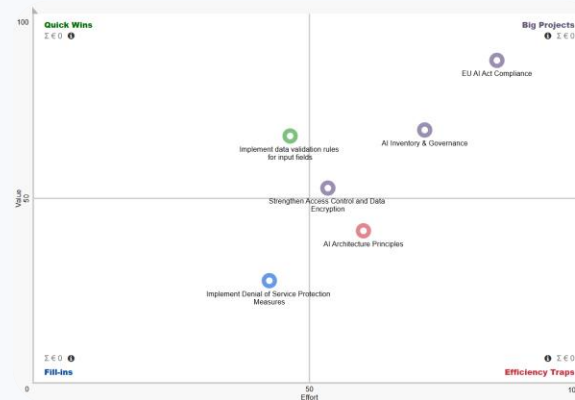


2 Assess & Prioritize

→ Assess and prioritize AI requirements

Core Questions

- How should we assess and prioritize strategic requirements?

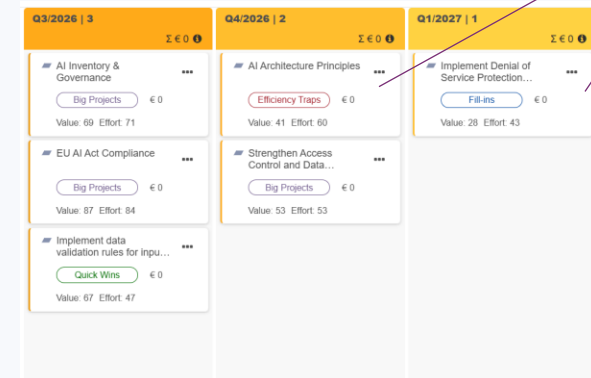


3 Build a Roadmap

→ Build an AI Roadmap

Core Questions

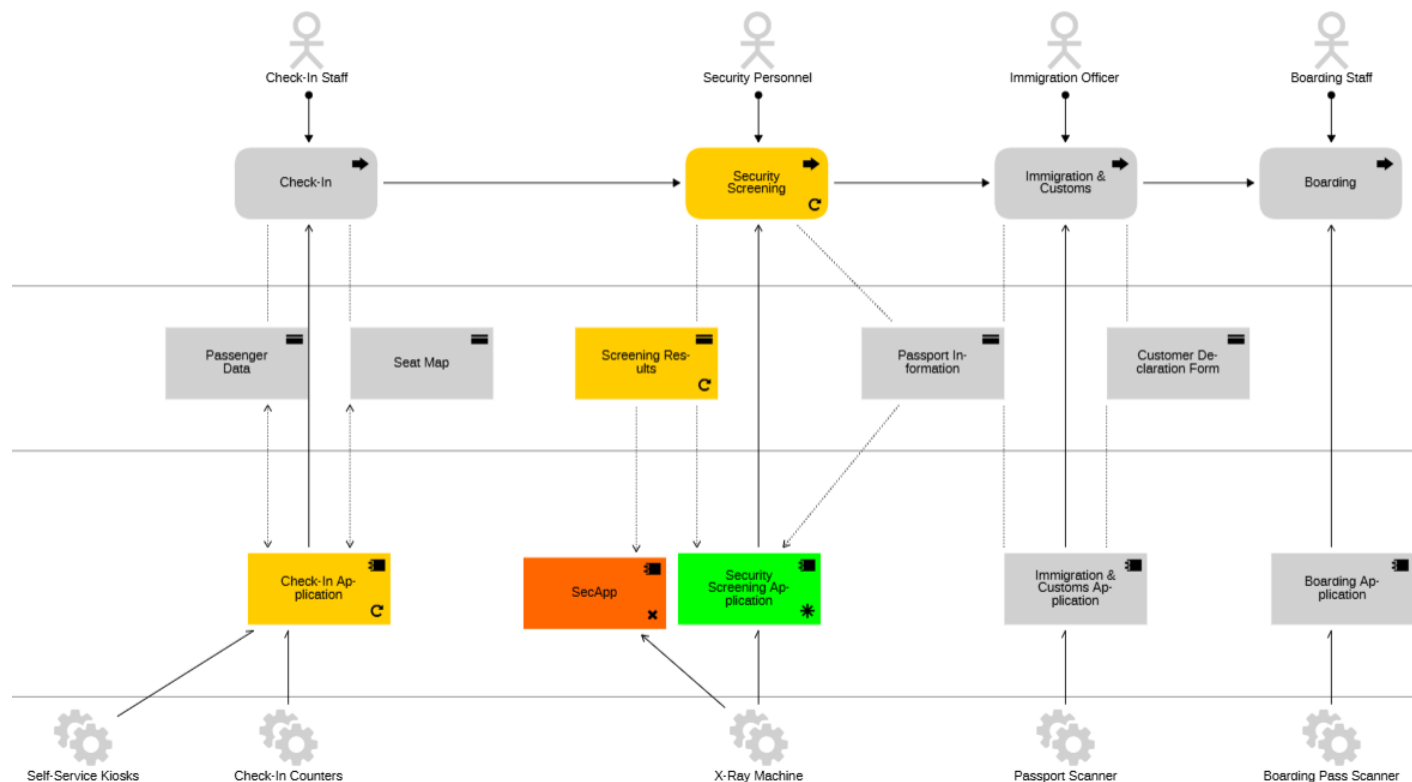
- When should each AI initiative be implemented?
- Are we on track to achieve our AI transformation goals?



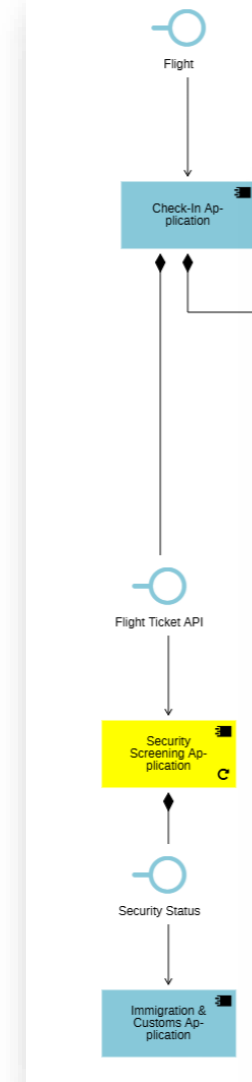
Architect the Future Enterprise



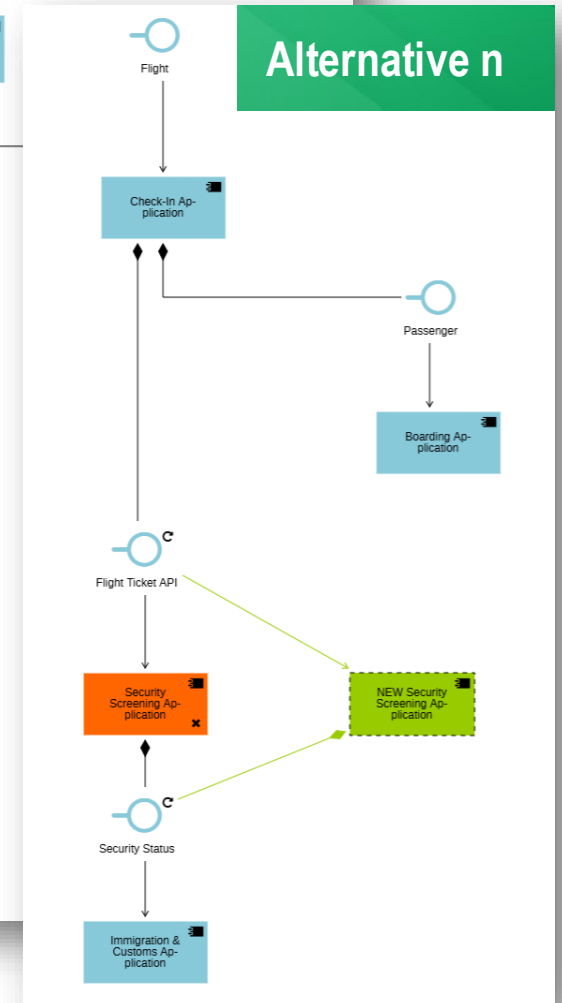
What will change for the business?
Which technologies will enable the solution?
Which solution alternative best supports our objectives?



Alternative 1



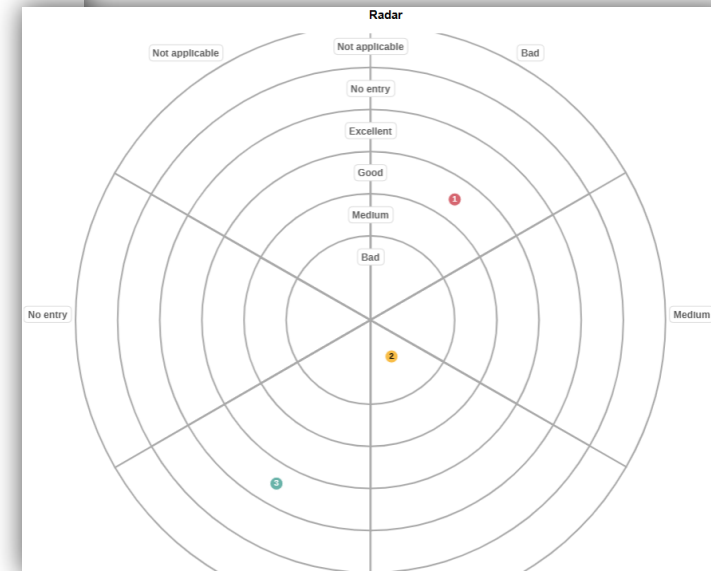
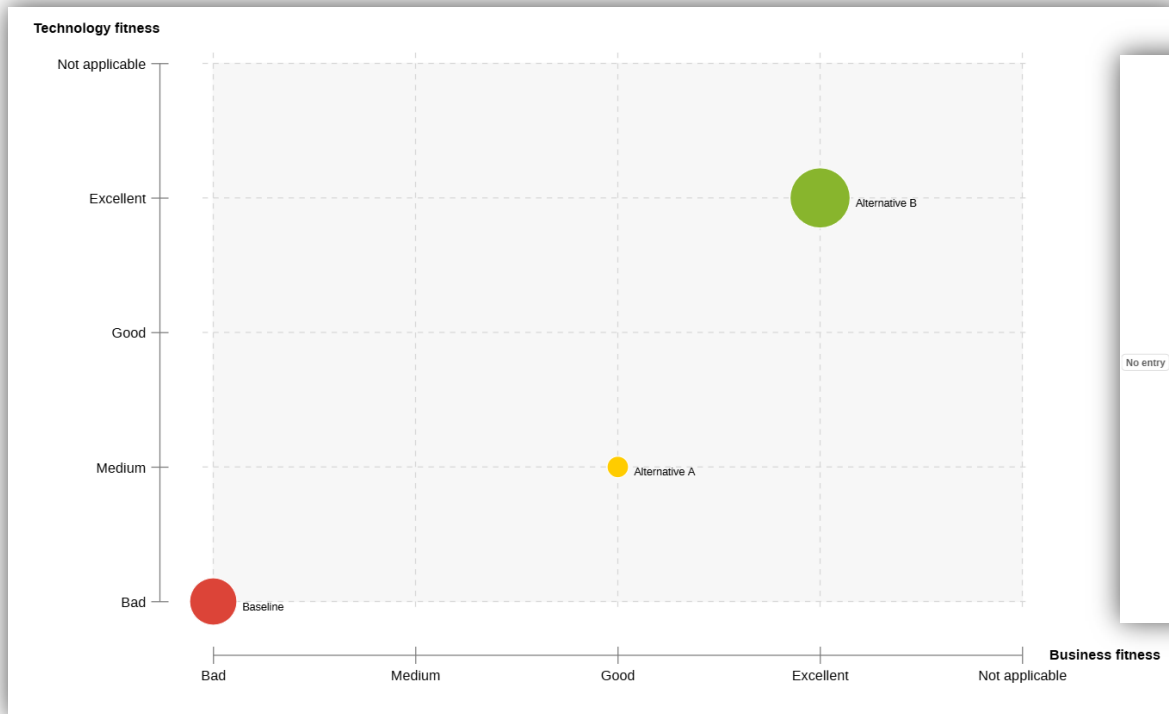
Alternative n



Architect the Future Enterprise



Perform a comparative analysis based on architecture fit, cost, risk ...



... and make your final decision for the target architecture.

Establish Enterprise AI Guardrails



1 User-friendly data collection – *no barriers*.

1. What is the name of the AI agent?

Enter the official or commonly used name of the AI agent, such as an AI agent, copilot, assistant, or other AI-enabled application.

Passenger Assistance Agent



Application Component

where Accesses Data Object + Add nested filter X

where Aggregated in Grouping + Add nested filter X

where Name is Personal Data X

or Name is Sensitive Personal Data X

Smart Analysis – *graph-based*.

2

3 AI Compliance Assessments – *based on transparent criteria*

		Accessible	Accountability	Accountable	Accurate
		44	81	75	19
[Airline Systems]	56	5	2	1	3
AeroSync360	50	4	1	2	5
Air Traffic Control 3.1	56	3	2	1	5
Airport Asset Management	56	1	2	4	4

Complete AI System Inventory



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Collect key information per AI system...

Business context



Target audience



Risk tier



System owner



Compliance status



...



Complement your
AI system inventory.



ADOIT Forms

Enterprise Architecture for everyone.

1. What is the name of the AI agent?

Enter the official or commonly used name of the AI agent, such as an AI agent, copilot, assistant, or other AI-enabled application.

Passenger Assistance Agent



2. Who is the business owner of this AI agent?

Select the person responsible for the AI system from a business perspective. The owner is accountable for its purpose, governance, and lifecycle.

Select...



3. Which business processes are supported by this AI agent?

Smart Analysis for AI Reporting



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Application Component

where: Accesses

Data Object

+ Add nested filter

where: Aggregated in

Grouping

+ Add nested filter

where: Name is Personal Data

or: Name is Sensitive Personal Data

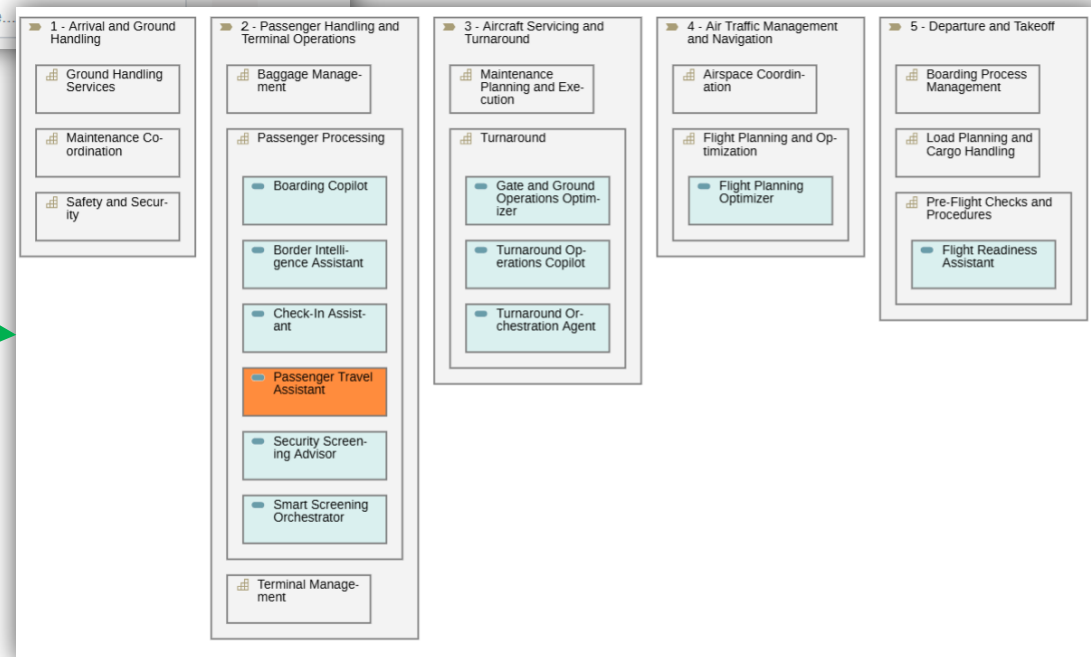
or: Name is Critical Infrastructure Information

or: Name is Operationally Sensitive Information

or: Name is Enter value...

i Find your critical AI systems instantly.

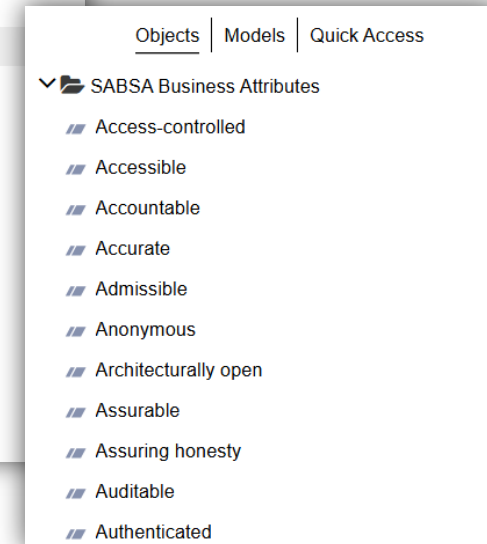
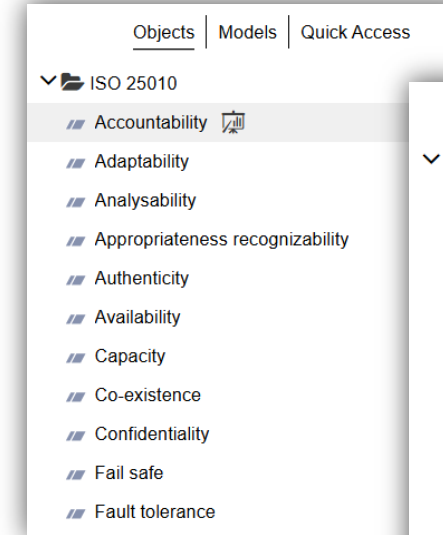
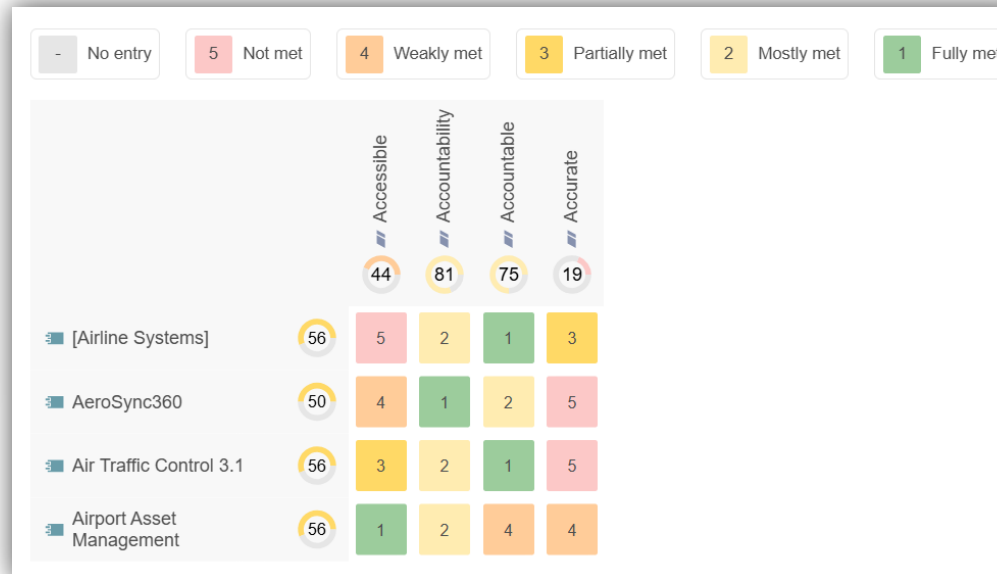
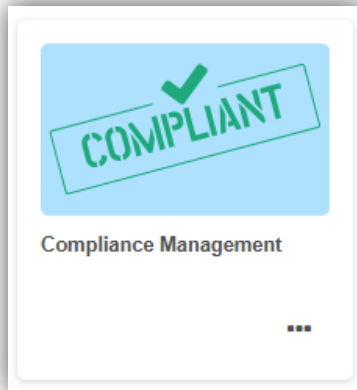
Identify components in your architecture that require closer governance.



AI Compliance Assessment



Which architecture and AI principles apply?
Which components require stronger governance?
Do our AI initiatives meet regulatory requirements?



Know your compliance status.



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Focus 2

Improve efficiency & insights through AI-Powered EA.

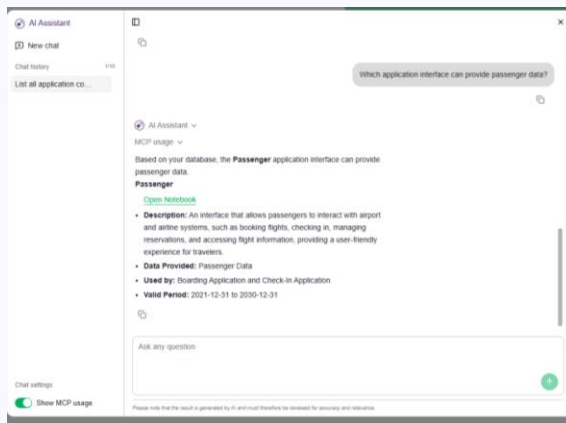
Govern Business Transformation
and AI Adoption.

Reliable Information
as Trusted Context.

3 Main Areas for AI-powered ADOIT Functionality

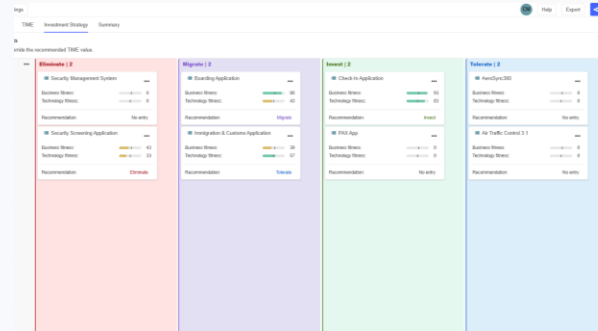
1 Understand

Analyse and answer questions about the repository



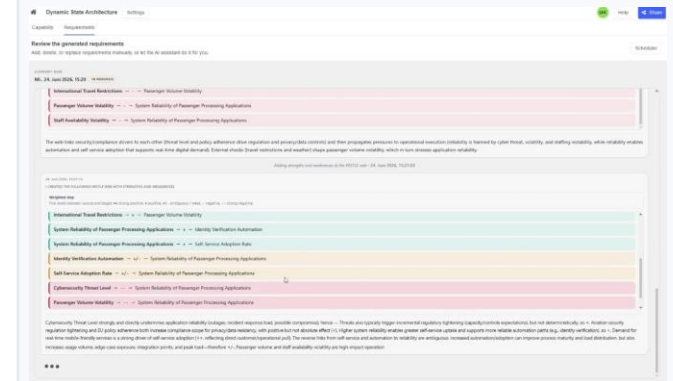
2 Suggest

Propose changes, assessments and requirements (human decides)



3 Automate

From simple updates to complex, multi-step analyses & designs



Ask questions about your architecture



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The screenshot displays the ADOIT AI Assistant interface. A green speech bubble at the top right contains the question: "Which APIs provide passenger data?". The chat window shows a response from the AI Assistant, which includes a description of the "Passenger" application interface and its capabilities. A purple circular icon with three stars is positioned to the left of the chat window. A green banner at the bottom of the interface contains the text: "Ask your architecture repository in natural language and get reliable answers in seconds."

Which APIs provide passenger data?

Which application interface can provide passenger data?

AI Assistant

New chat

Chat history 1/10

List all application co...

AI Assistant

MCP usage

Based on your database, the **Passenger** application interface can provide passenger data.

Passenger

[Open Notebook](#)

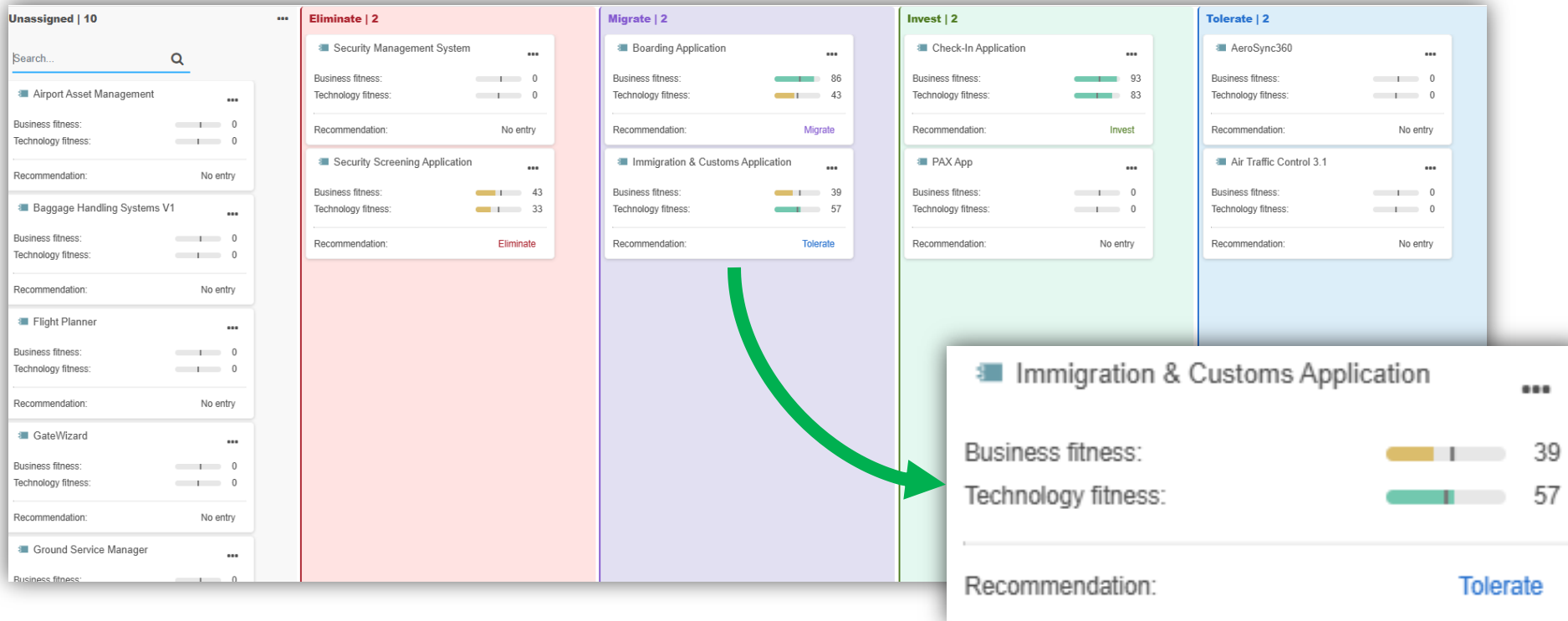
- **Description:** An interface that allows passengers to interact with airport and airline systems, such as booking flights, checking in, managing reservations, and accessing flight information, providing a user-friendly experience for travelers.
- **Data Provided:** Passenger Data
- **Used by:** Boarding Application and Check-In Application
- **Valid Period:** 2021-12-31 to 2030-12-31

Ask any question

AI Assistant

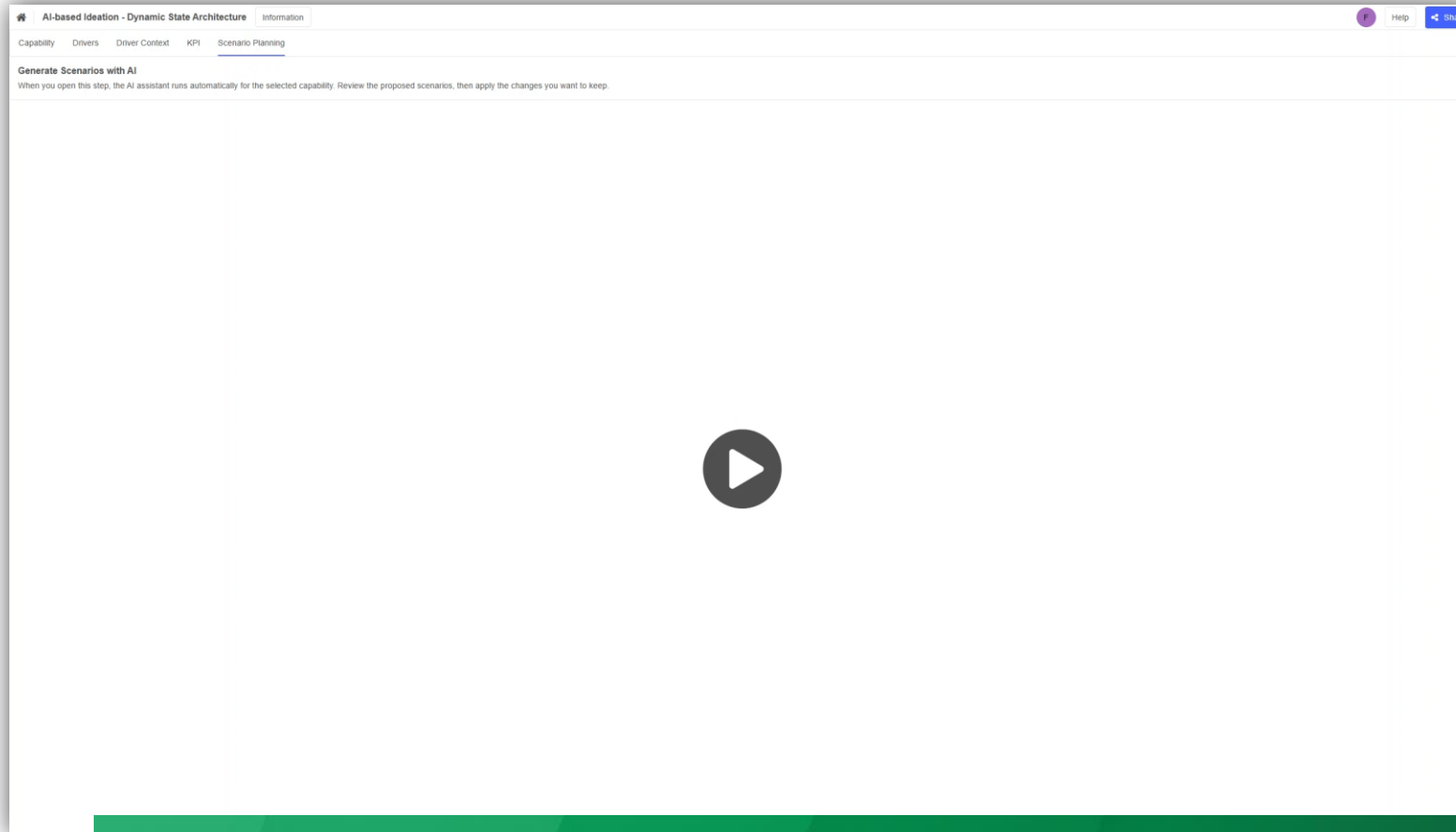
Ask your architecture repository in natural language and get reliable answers in seconds.

Have AI suggest appropriate strategies and more



Let AI suggest where to invest, migrate, tolerate, or eliminate.
Based on application data and business & IT fit.

Architecture work through agentic workflows



Turn portfolio decisions into actionable roadmap requirements.
Suggested by AI, reviewed by you.



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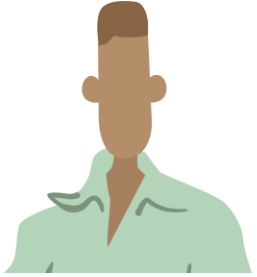
Focus 3

Leverage Reliable Information as Trusted Context.

Govern Business Transformation
and AI Adoption.

Efficiency & Insights through AI-
Powered EA

Integrating EA principles into DevOps environments



Change the `/passengers/{id}/baggage-status` endpoint to also return the current baggage handling location.



This endpoint is provided by a System of Record and is governed by Enterprise Architecture. Changes to the API contract require authorization from the EA team before implementation.

ADOIT (live)	Rules file
21 principles in grouping	21 principles cataloged
1 principle grouping	Same grouping referenced
All principles still in Draft state	Rules note "all currently in Draft state" — still accurate

Complete principle list (all present in both)

Architecture & design (6): Single Responsibility Principle (SRP), Separation of Concerns, Loose Coupling & High Cohesion, Microservices Architecture, Statelessness, RESTful API Design

Data & Information (5): Data Security, Data Consistency & Transactions, Data Is Shared/Common Use Applications, Caching Strategy, Information Management Is Everybody's Business

Security, co

Operation

Elasticity, V

Enterprise

How I ve

1. Execut
2. Search
3. Search
4. Check

Second

While no n

Only two p

Principle	Confidential, Available, Integrity-assured	Yes
Data Security	Confidential, Available, Integrity-assured	Yes
Data Is Shared/Common Use Applications	Transparent, ISO 25010 Compatibility	Yes
Maximize Benefit to the Enterprise	Simple, Cost-effective	No
Information Management Is Everybody's Business	Authorized, Authenticity, Accountable	No
Business Continuity	Recoverable, Available, Scalability	No
Compliance With Law	Compliant, Traceable, Legal	No

These are governance constraints, not new principles — but documenting them in the rules file would make constraint verification more complete during implementation reviews.

Bottom line: No rule file update is required for missing principles. The catalog is current. If you want, I can update. [Learn more about this](#)

Plan, Build, / for skills, @ for context

Agent Composer 2.5 Fast

Security check Application - PACE System of Record - CIAA: Very High

Powered by Biometric Data Retrieval/Comparison - AI Risk Engine

Problems Output Debug Console Terminal Ports Playwright

VITE v5.4.21 ready in 1387 ms

→ Local: http://localhost:5173/
→ Network: use --host to expose
→ press h + enter to show help

Cursor Tab → Tab Stats: 0/0 (0%) Agent Stats: 0/0 (0%) → No commit scored

Making EA insights available to everybody



What is the completion timeline for Strategic Initiative 123, and how will it impact my department (Luggage Handling)

Searching the ADOIT Enterprise Architecture repository...

I found the corresponding initiative details and dependency mappings for your department.

Strategic Initiative 123: Next-Gen Baggage Automation

This initiative is currently in the execution phase and aims to modernize the baggage reconciliation processes across all terminals to reduce mishandling rates and improve transit times.

Key details

- **Target Completion:** Q4 2026
- **Owner:** Enterprise Transformation Office
- **Department Impact (Luggage Handling):** Your department will transition to an automated RFID-based scanning workflow. The current manual barcode processes will be entirely phased out.
- **Affected Applications:** Baggage Handling System (BHS) and the Baggage Tracking Service API v2.
- **Impacted Business Capabilities:** Baggage Routing, Ground Operations Management, and Passenger Transit Services.

Recommendation: As a member of the Luggage Handling department, you will need to coordinate with the IT Integration team to ensure smooth adoption of the Baggage Tracking Service API v2. Training for the new RFID workflows is scheduled to begin in Q2 2026.



What is the completion timeline for the strategic initiative “Next-Gen Baggage Automation” and how will it impact my department.

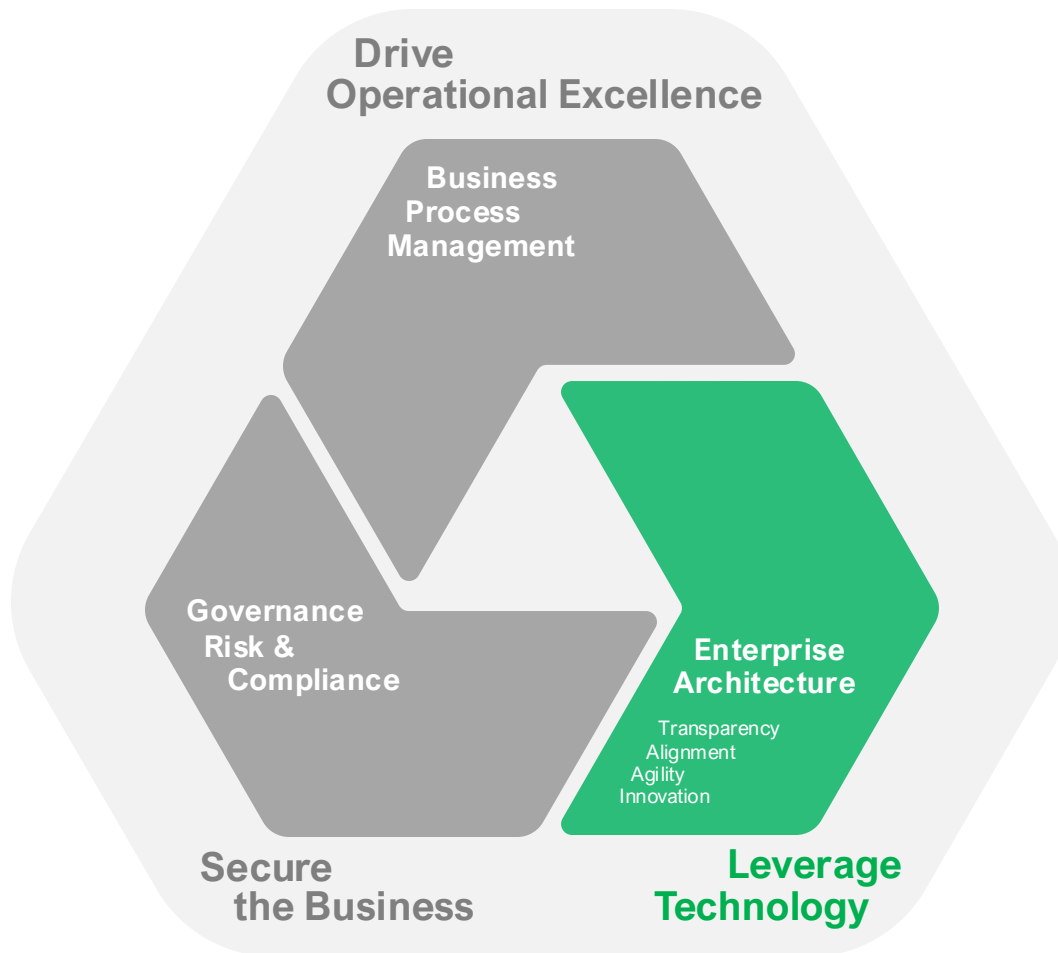
This initiative is currently in the execution phase and aims to modernize the baggage reconciliation process across all terminals to reduce mishandling rates and improve transit times.

The project’s target date has moved up to Q4 2026, which means your department will be...



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Leverage
Enterprise Architecture
with ADOIT
to drive transformation
and AI adoption



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