Delivering Enterprise Agility

Sparx Services North America

www.sparxsystems.us

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About Sparx Services North America

"Align information technology and systems engineering capabilities with business strategy using industry best practices and industry leading tooling to deliver world-class results."

- Industry thought leader in enterprise architecture, business architecture, systems and software engineering, business analysis, and agile methods
- Member and contributor to
  - UML®, SysML®, SPEM, UPDM™/UAF, BACM at OMG®
  - TOGAF®, ArchiMate®, IT4IT™ at The Open Group®
  - UML Profile and Metamodel teams at Business Architecture Guild®
  - Frameworx, ODA, and Open APIs at TM Forum
- Open Group Accredited Training Provider, Guild Accredited Training Partner™, IIBA® Endorsed Education Provider (EEP™)

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What is Business Agility?

- *"...the ability of an organization to sense environmental change and to respond efficiently and effectively to that change."*
  - Gartner

- Effectively achieving agility requires the business to understand…
  - What motivates the business?
  - How does the business behave?
  - How does the business fit together?
  - How does technology support the business?

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Understand What Motivates the Business

- What is the mission and vision?
- What are the current business goals and objectives?
- Are objectives quantified and measurable?
- What external and internal factors are driving the business?
- What constraints govern motivation?
- What policies influence culture?
- Are these motivation factors prioritized and co-related?
- Have they been described in a coherent strategic plan?

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Understand How the Business Behaves

- Who are your customers, suppliers, and partners?
- What are your externally facing value streams?
- What external events must your business respond to?

- How do people and systems internally collaborate to fulfill external requests?
- What security and regulatory policies govern behavior?

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Understand How the Business Fits Together

- What are your internal capabilities?
- How does one capability integrate with another? Where are the handoffs and touch points?
- What data is shared between capabilities?
- How is the business organized?
- Who “owns” particular business processes?
- Who “stewards” common data?

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Understand How Technology Supports the Business

- How much money is invested in technology?
- What is the impact of a change to a business process to existing applications?
- Are there business processes that are supported by multiple (possibly redundant) applications?
- What data is shared between applications and business processes?
- What is the impact of an application outage on other applications and business processes?
- Are business critical functions supported by highly-available applications and servers?
- What applications run on which technical platforms?
- What is the impact of a change in security requirements (i.e. new regulation or statute) on existing systems and networks?

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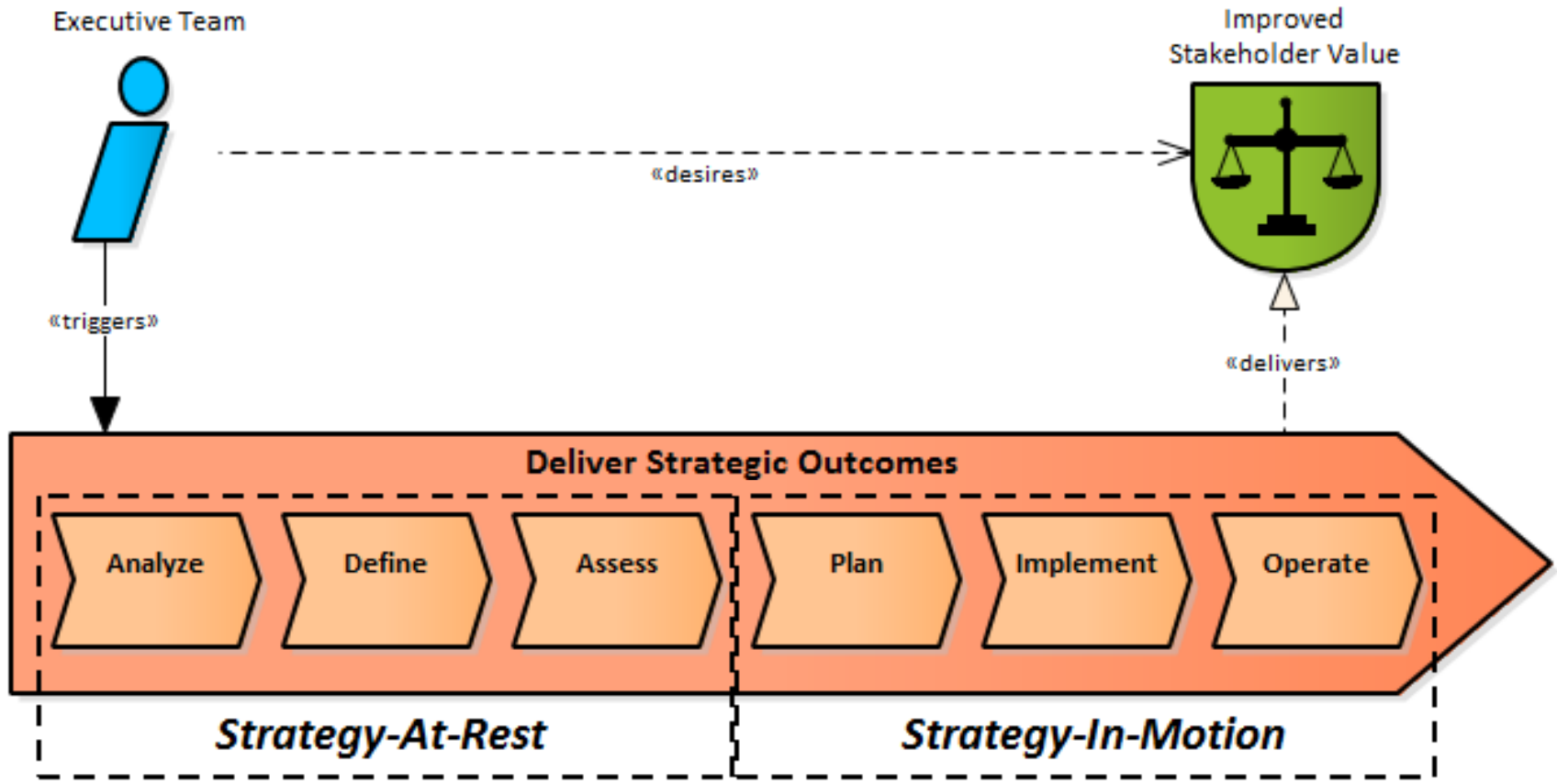
Business Architecture Driven Strategy



- ***Analyze*** competitive landscape and current state capabilities
- ***Define*** strategy and key initiatives
- ***Assess*** viability and impact
- ***Plan*** initiative delivery
- ***Implement*** and ***operate*** solutions
- ***Monitor*** outcomes and establish strategy ***feedback*** loop

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Evolution of Business Outcomes

- Areas of emphasis of capabilities tend to evolve over time
- Need to establish sound foundation at lower level before moving on to the next level

Technology Consolidation

- Reduce over-proliferation of divergent and conflicting technologies

Application Rationalization

- Remove redundant and over-lapping software applications

Business Optimization

- Improve efficiency of business operating model

Digital Transformation

- Deliver enterprise agility with seamless integration of business and IT

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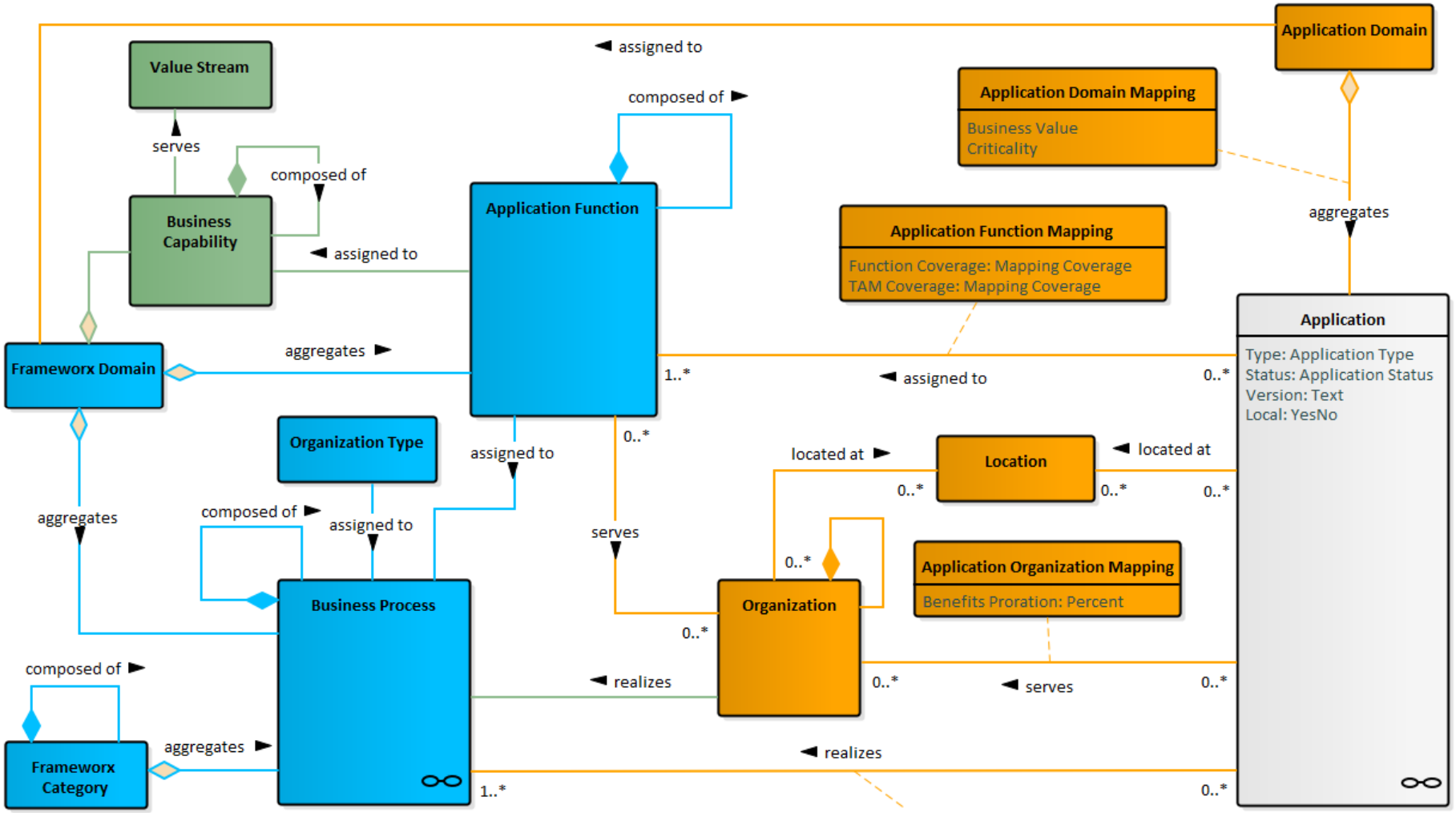
“Chart of Accounts” to Support Impact Analysis



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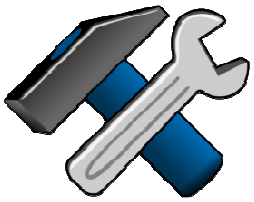
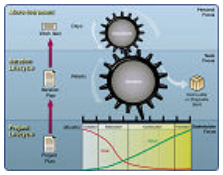
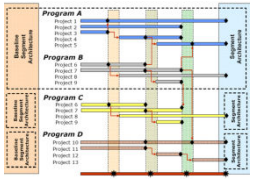
Exploit Federated Repositories



Other Modeling Tools and Repositories



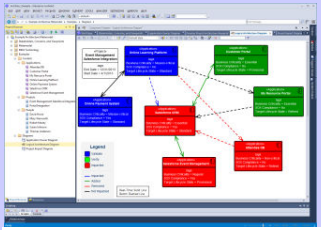
Agile
- *Sprints*
- *User Stories*



PPM
- *Programs*
- *Projects*

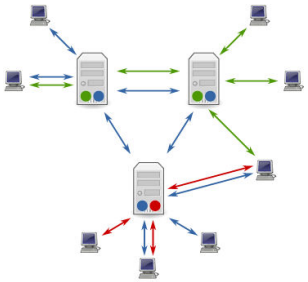
IT Finance
- *Application*
- *Infrastructure*
- *Projects*

Server-Based Plug-Ins



ENTERPRISE ARCHITECT

EA ModelFlow™

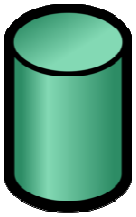


CMDB
- *Applications*
- *Servers*
- *Networks*

HR
- *Org Structure*
- *People*

Files
- *Excel*
- *CSV*

Databases
- *SQL Server*
- *Oracle*



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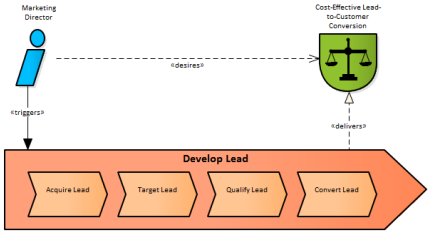
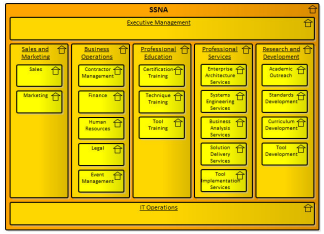
Complete Lifecycle Solution

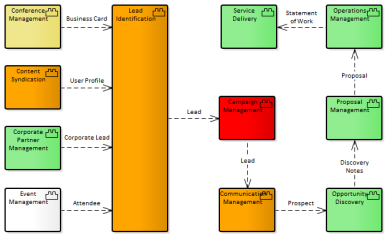
Value Streams



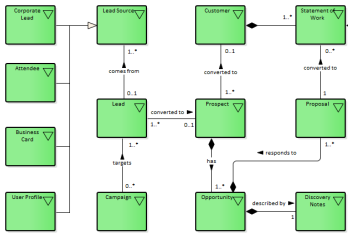
Organizations



Capabilities



Information



BPMN™ DMN™ Decision Model & Notation™

Operating Model

ArchiMate®

IT Architecture

UNIFIED MODELING LANGUAGE™ UML®

Architecture & Business Analysis

{ ea:\\rest.api }

API Management

- End-to-end perspective
  - ➢ *Strategy-to-Solution*
- Integrated knowledgebase
  - ➢ *All stakeholders informed*
- Sustain agility
  - ➢ *Instantaneous impact analysis*

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Product Demonstration

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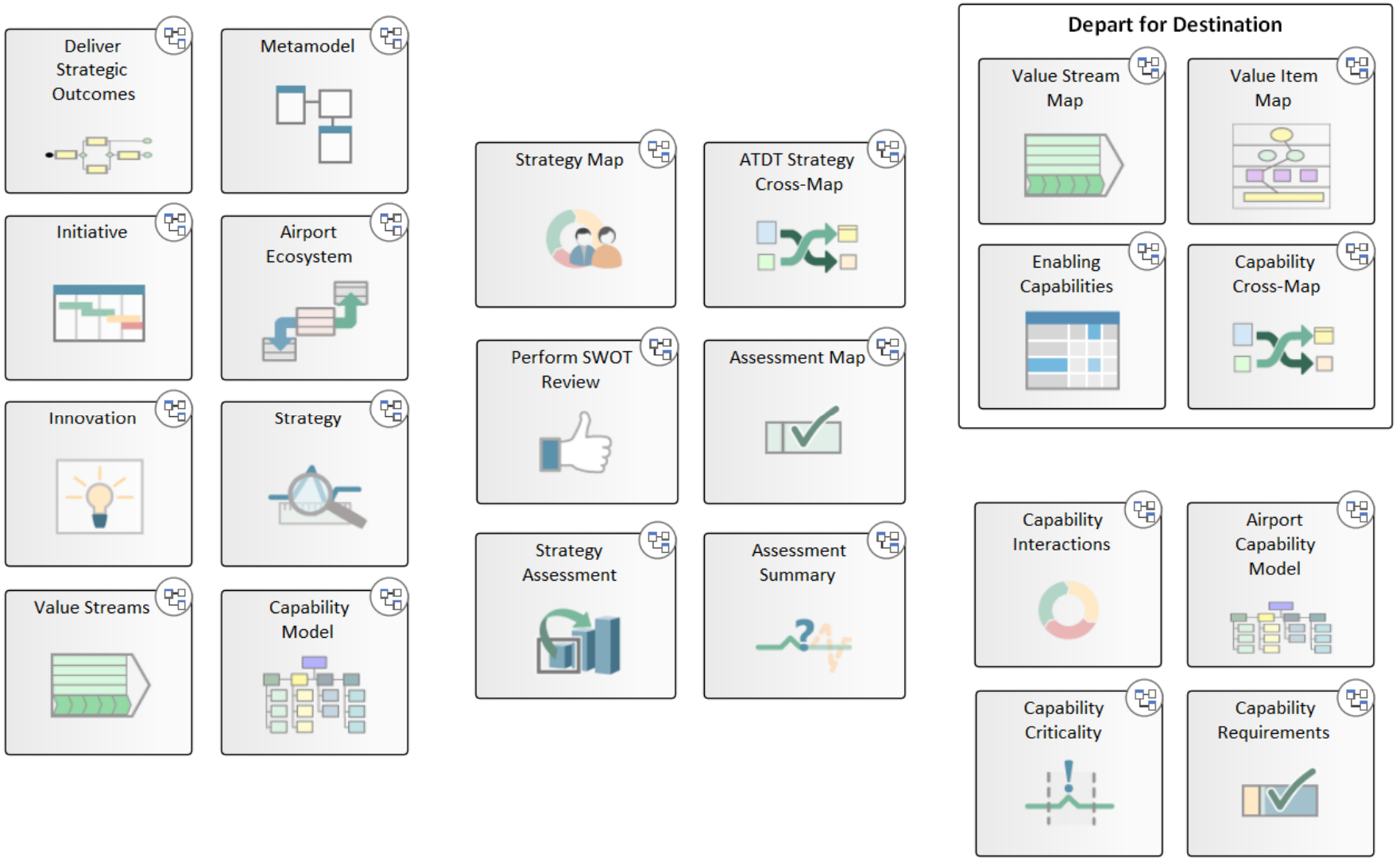
Navigation



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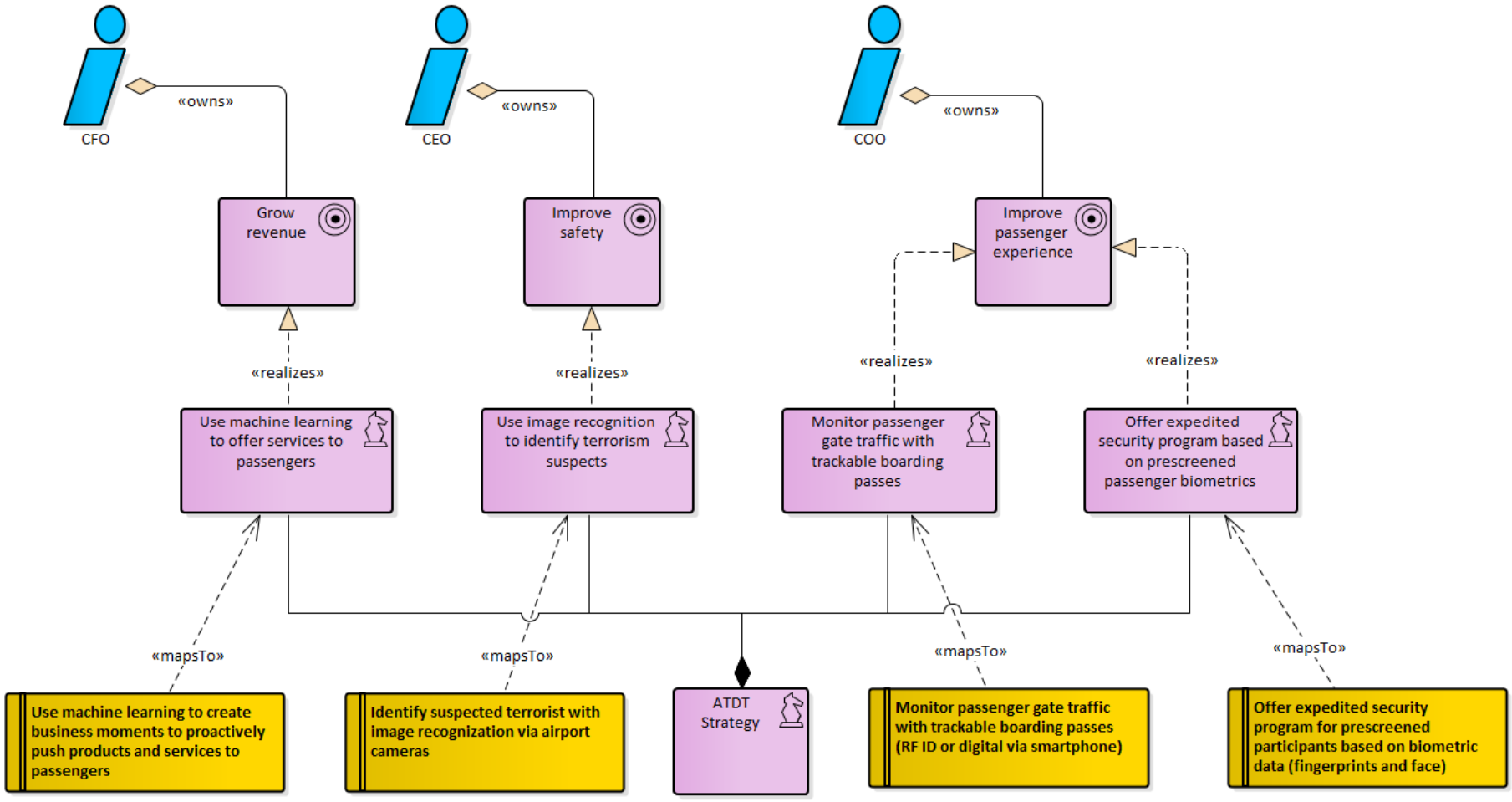
Strategy Map



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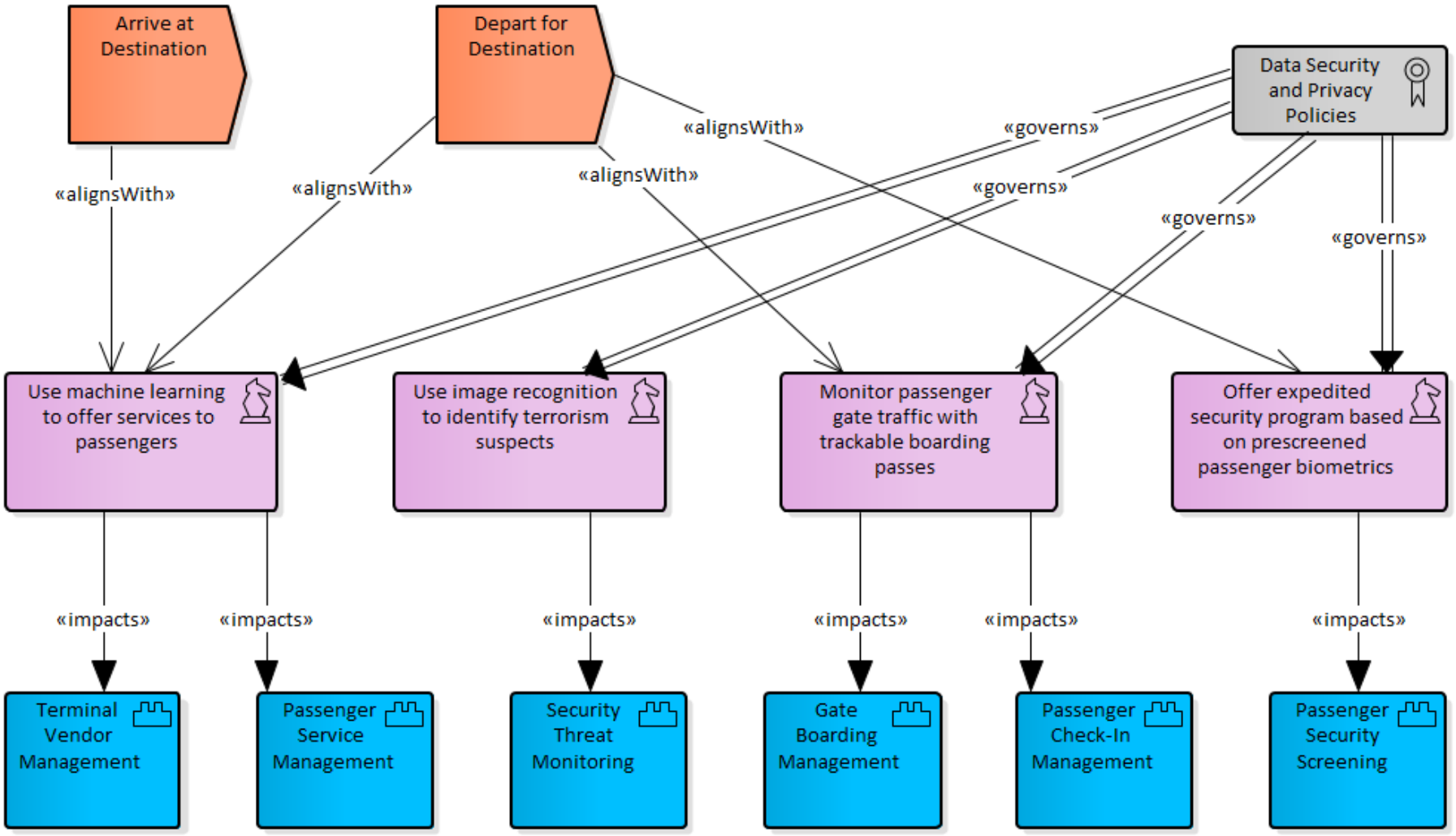
Strategy Cross-Map



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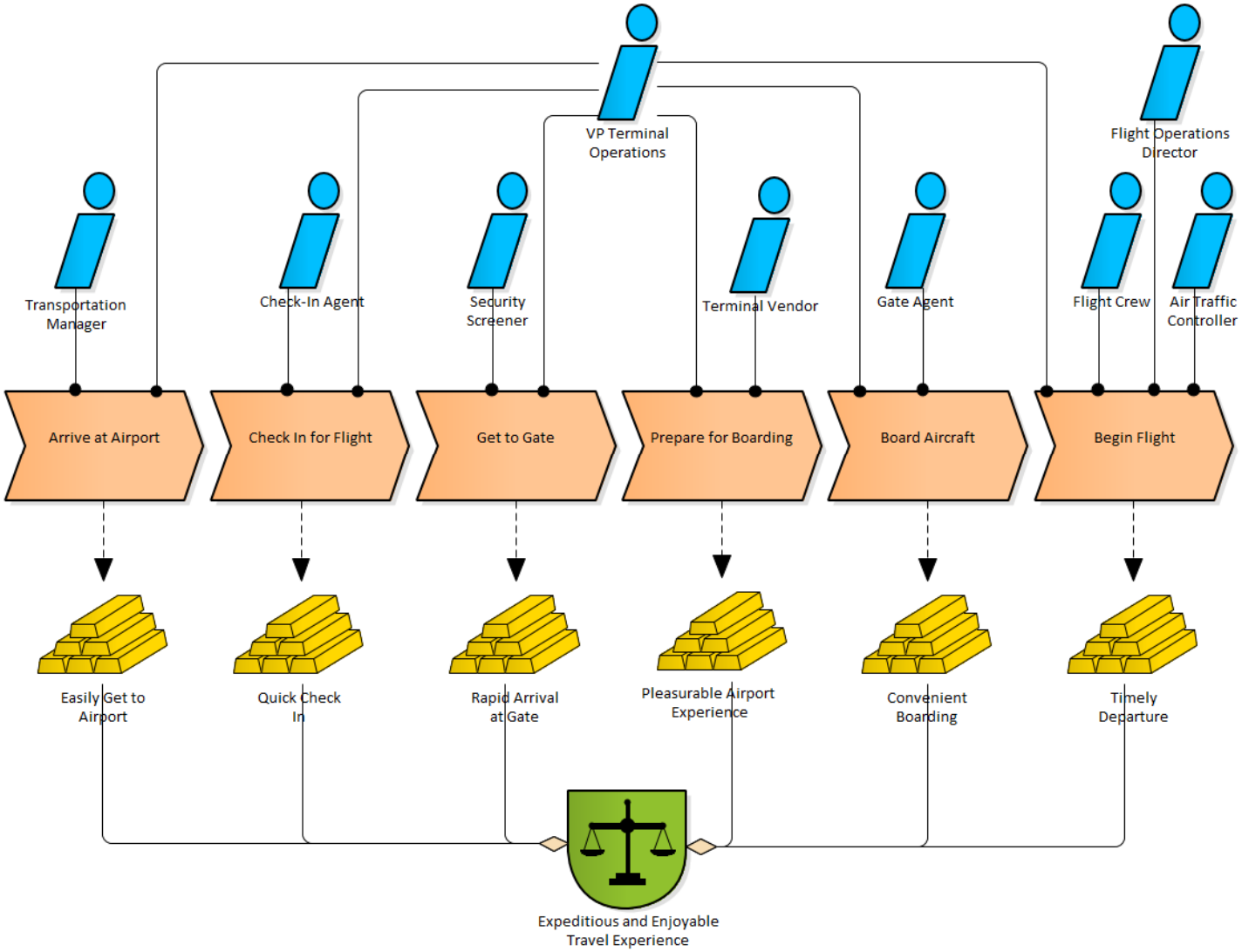
Value Stream Specification



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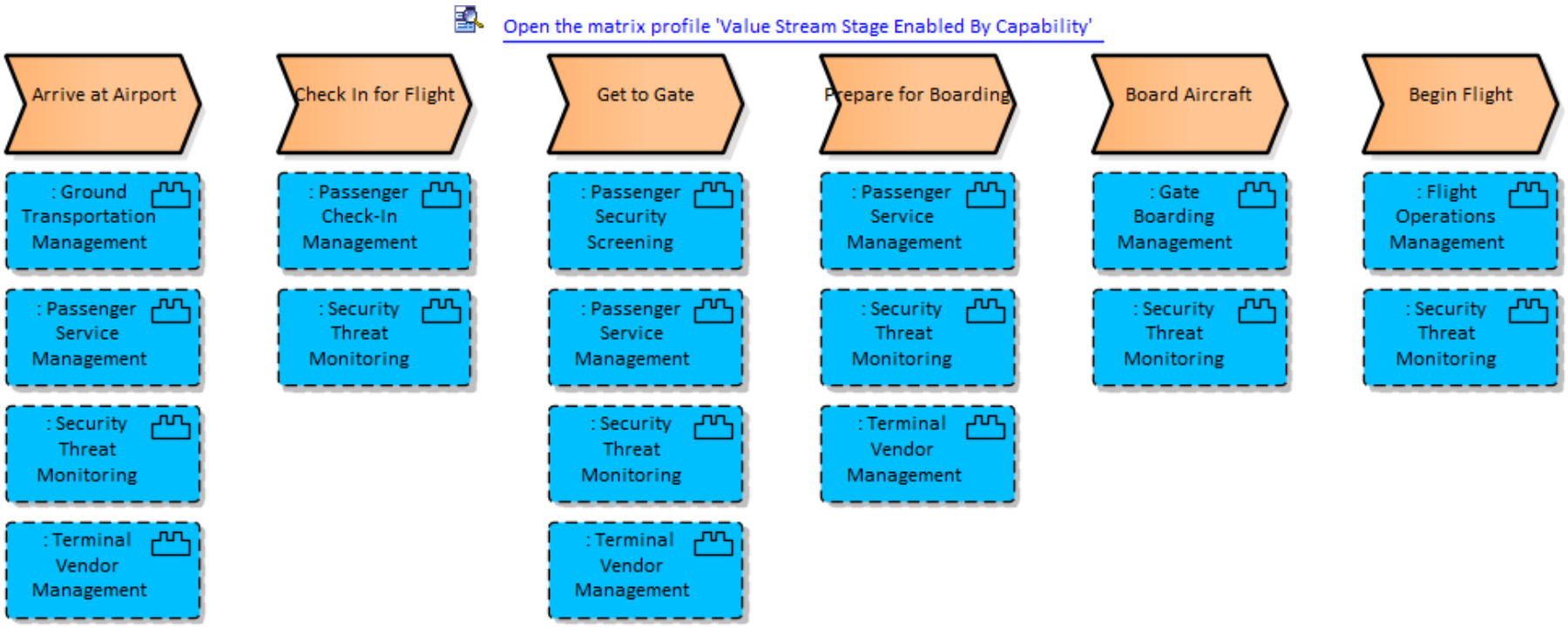
Value Stream-Capability Cross-Map



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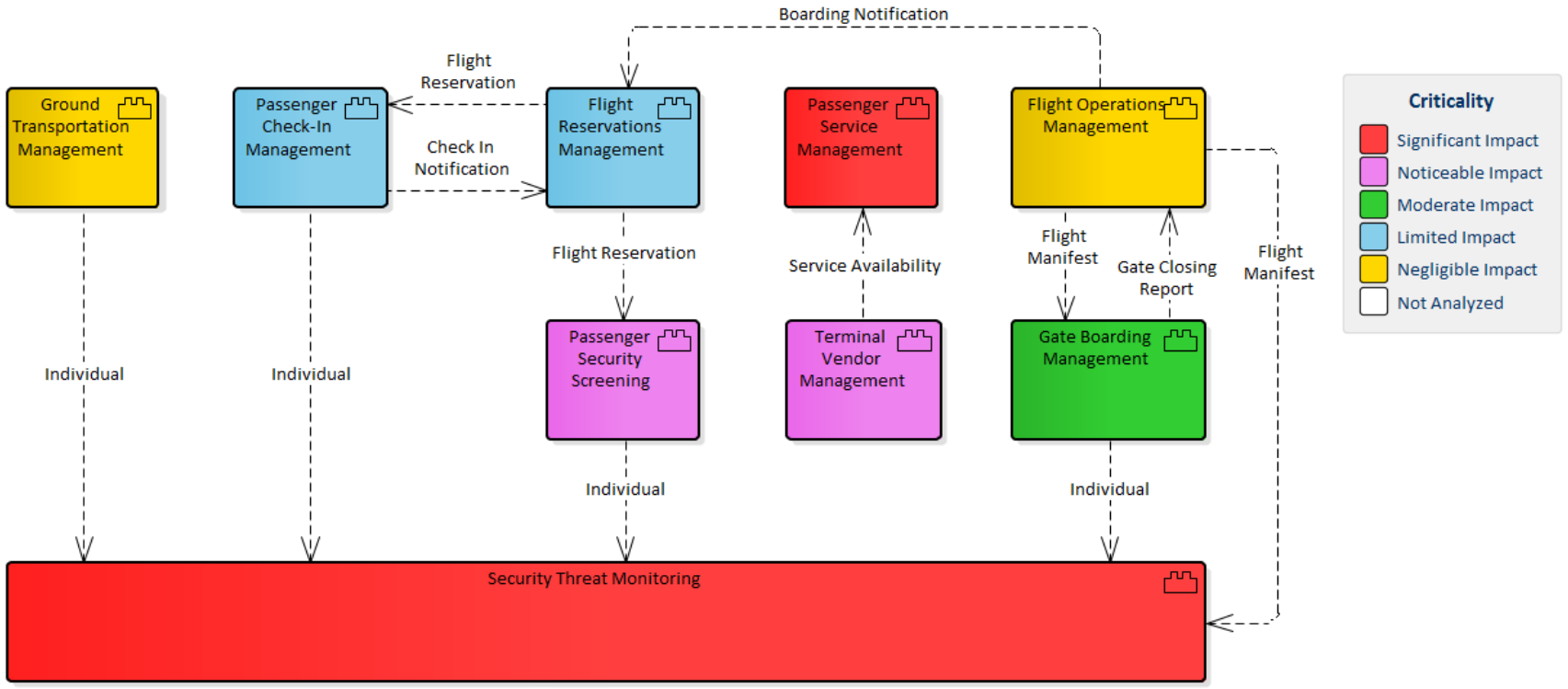
Capability Interactions



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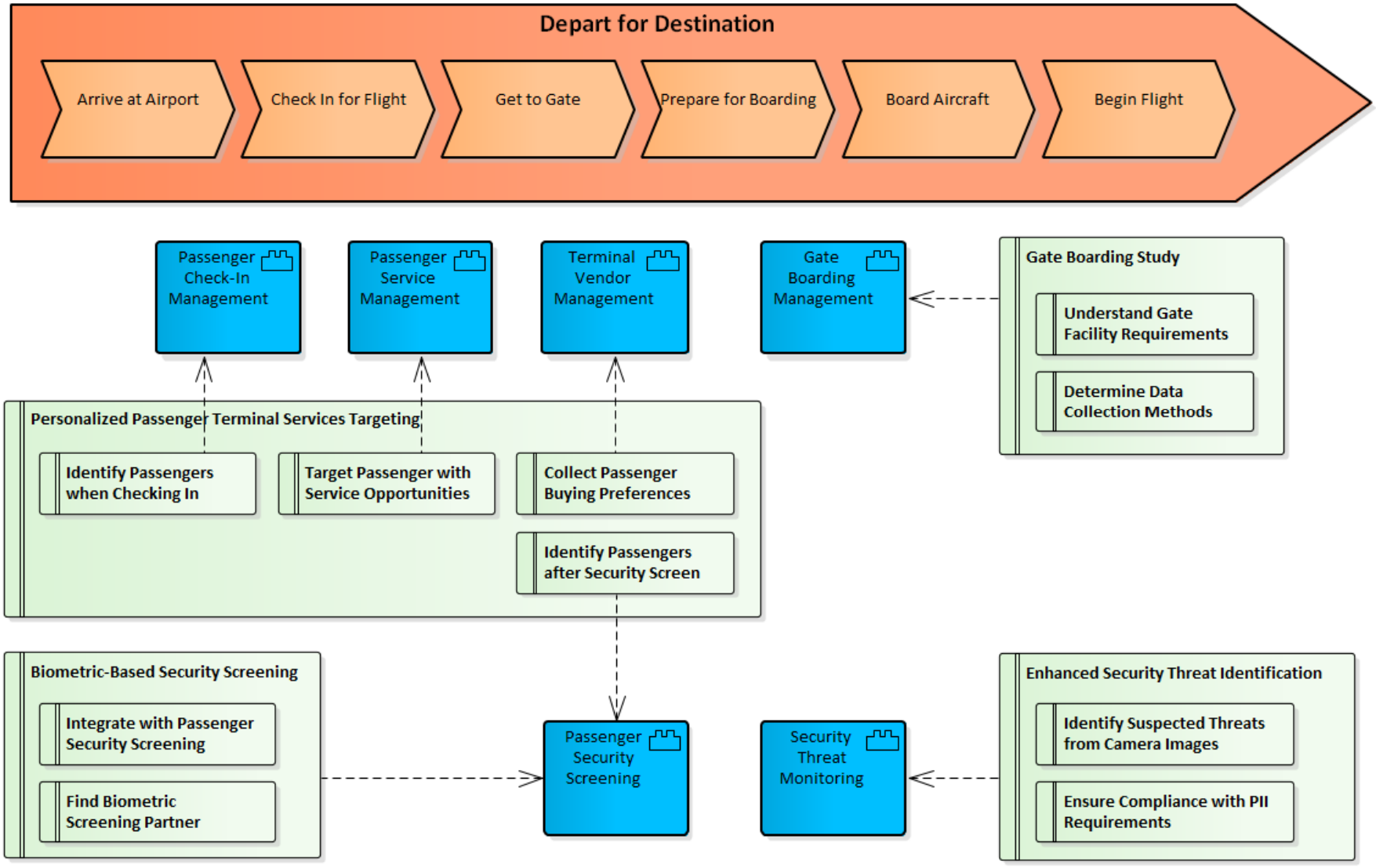
Capability Requirements



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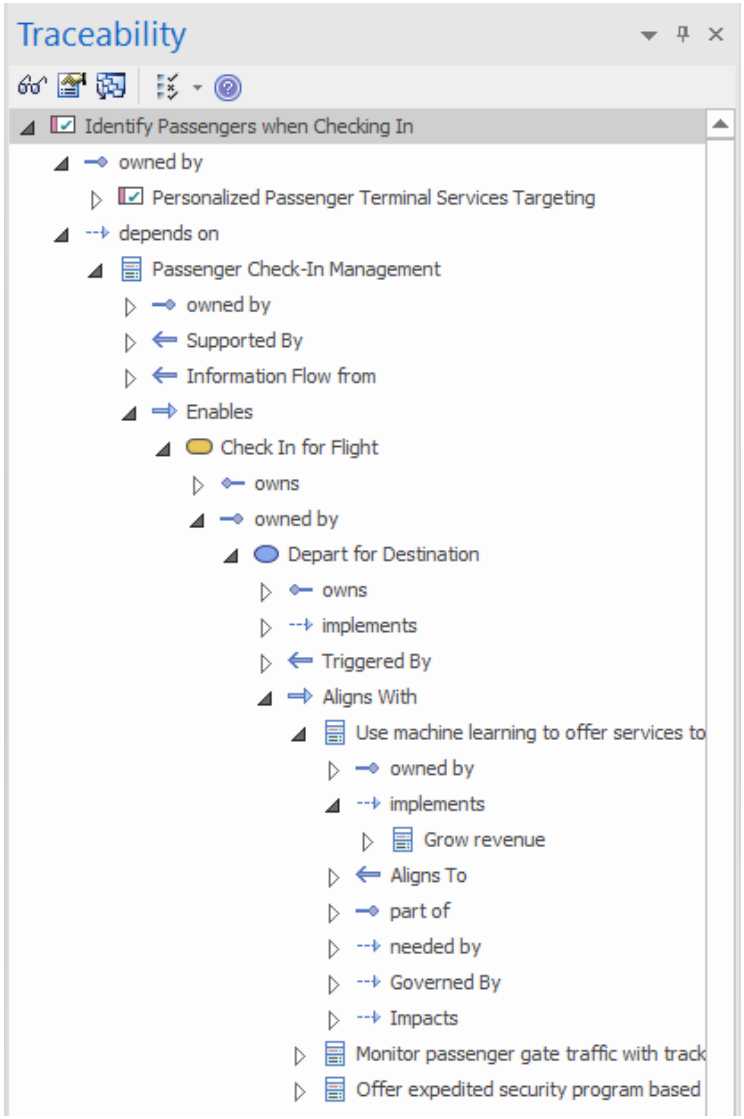
Requirement-to-Strategy Traceability



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Q&A

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