

**Delivering Value Using
Business Architecture
and Generative AI**

Presentation for the
**Twin Cities Business
Architecture Forum**

December 12, 2024



About Daniel Lambert



Daniel Lambert, M.Sc., is an experienced business and enterprise architecture consultant and entrepreneur. Currently a partner at Business Architecture Info, Daniel provides consulting and coaching services to maximize the value of your enterprise architecture team. His approach positions your architecture team as a key player in the digital transformation of your organization, guiding initiatives from strategic design to agile value-driven delivery with the help of artificial intelligence. He is the author of the book *Practical Guide to Agile Strategy Execution*, available on Amazon.

Daniel Lambert

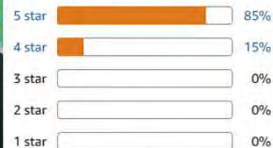
Practical Guide to Agile Strategy Execution

Design, Architect, Prioritize and Deliver your Corporate Future Successfully

Customer reviews

★★★★★ 4.8 out of 5

36 global ratings



<https://www.amazon.com/dp/B084P856HY>

“A very complete and well-crafted explanation on how to get all the gears of digital transformation engaged and working smoothly. Not your father's old EA strategy book!”

“This book is one that will stay on my bookshelf - it does a great job of putting all the pieces together and has great examples to help visualize.” ”

Practical Guide to Agile Strategy Execution: Design, Architect, Prioritize and Deliver Corporate Future Successfully

- This book includes 266 pages (191 on hard copy, 104 figures, 105 common definitions, and 229 references.
- Most diagrams in this book are made with IRIS Business Architect
- Available on Amazon. £59.99

Some of our Clients



Home Office



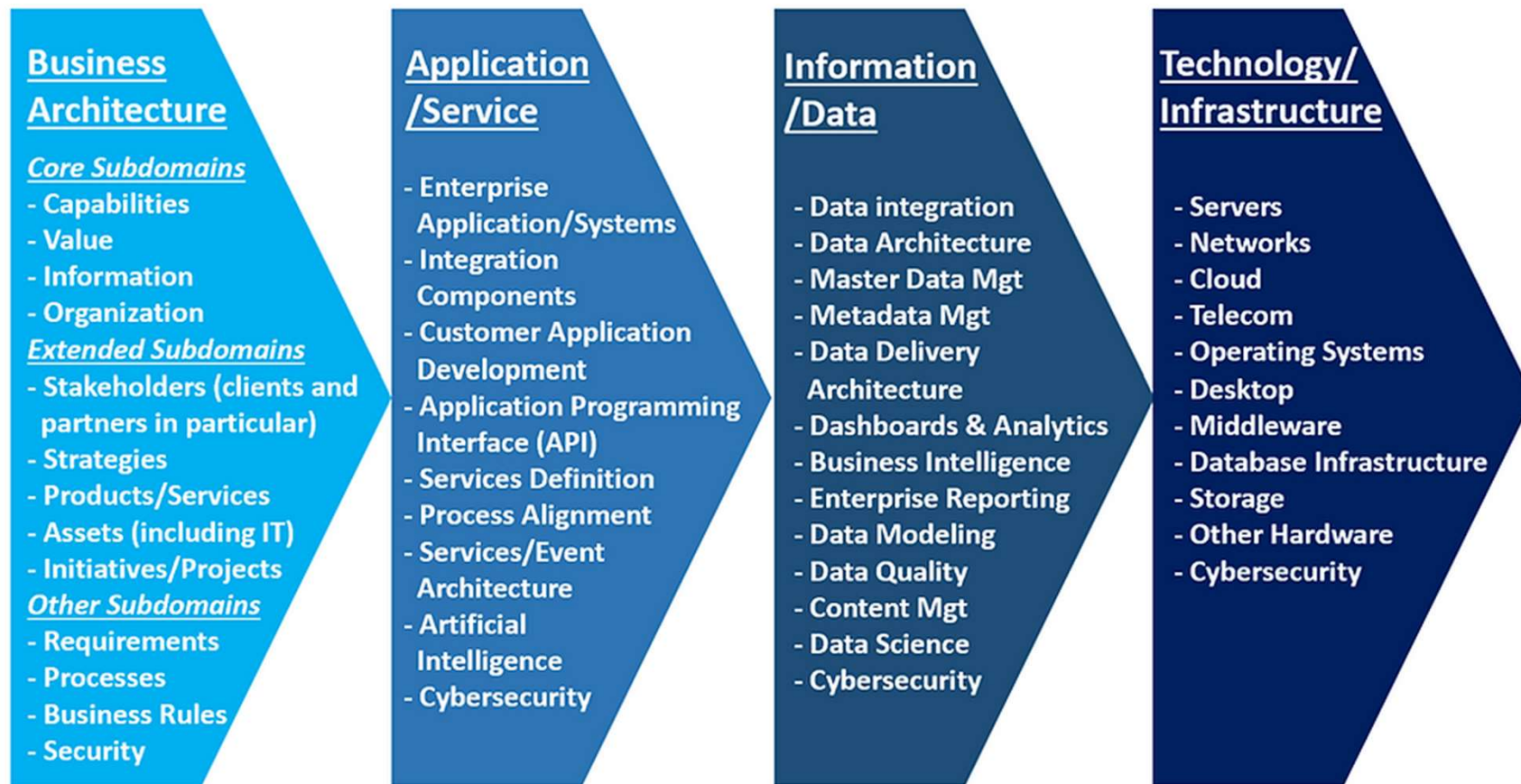
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Agenda

1- About Business Architecture	slide	5
2- About Business Capabilities	slide	13
3- Aligning Capabilities to Other Domains	slide	20
4- Delivering Value Streams for SAFe®	slide	48
5- Business Architecture Using Generative AI - an Example at Boston Scientific	slide	54
6- Current Limits of Generative AI	slide	64

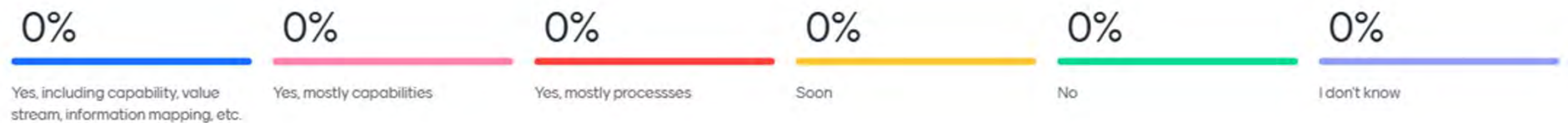
The Place of Business Architecture within Enterprise Architecture



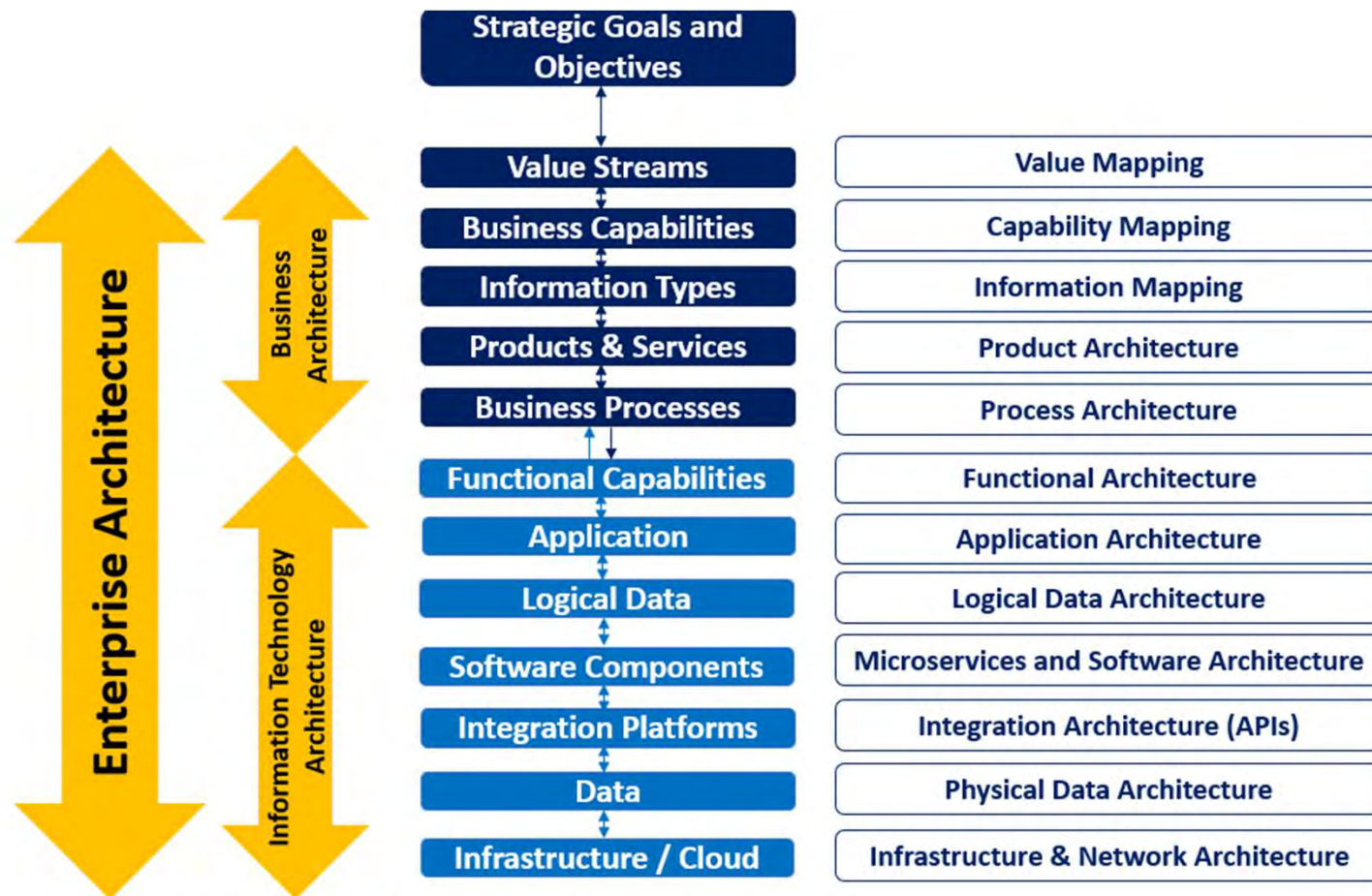
Strategy and Execution without Grounded Business Architecture!



Question 1 - Does Your Organization Practice Business Architecture?

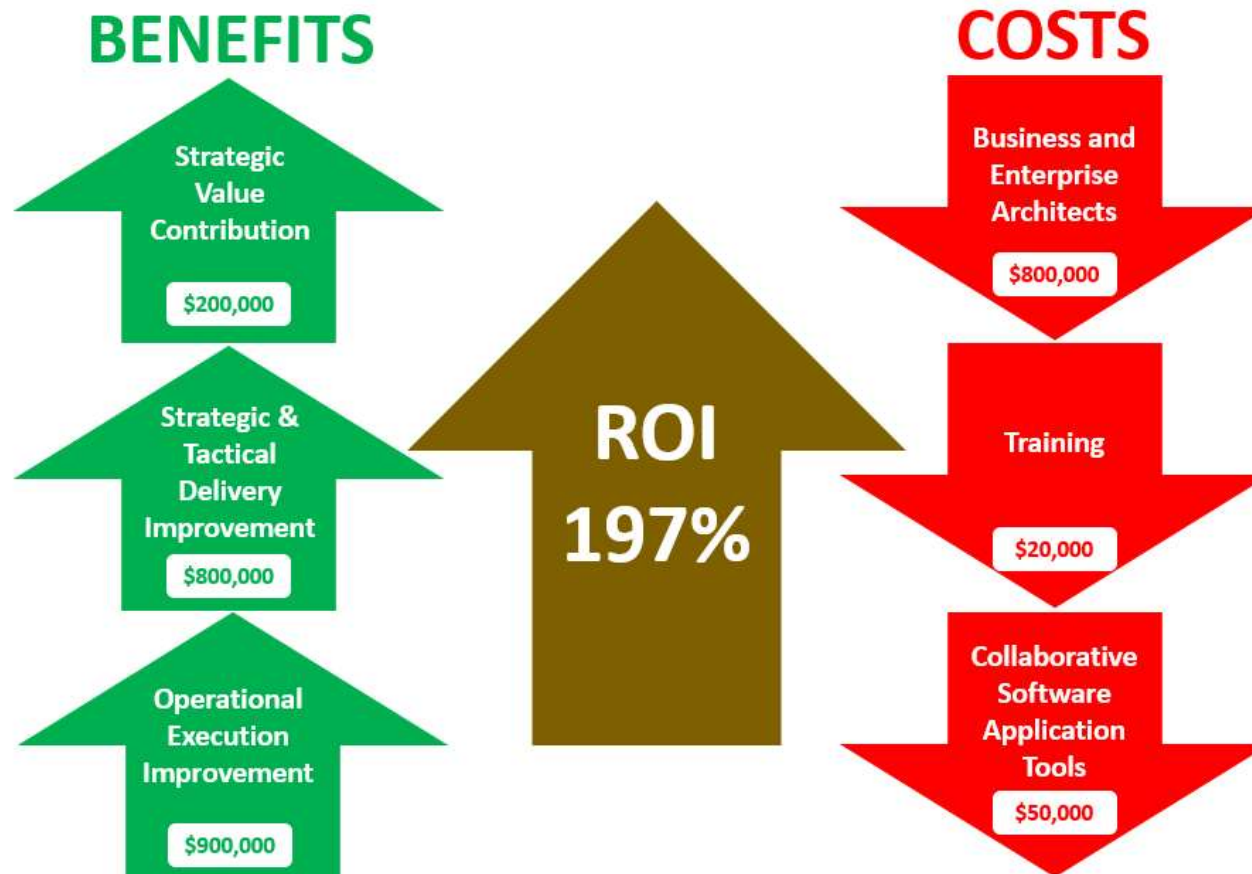


The Full Spectrum of Enterprise Architecture



Inspired by a diagram from <https://www.itarch.info/2020/05/what-is-it-architecture-and-different.html>

Why Use Business Architecture?



Why Use Enterprise/Business Architecture?

Foremost, it's very profitable:

- Priorities are set more quickly focusing on the most profitable initiatives first.
- Agile project planning is more accurate, less risky, and takes less time.

Other Reasons:

- Align easily horizontally and vertically strategy views with cohesion to all business units/departments,
- Measure the success of strategy implementation through capability mappings on a continuous basis,
- Improve decision-making by lowering risk with impact analysis,
- Increase employee engagement by setting proper boundaries, making it safe and productive for employees to take independent actions, and making them more autonomous,
- Increase operational efficiency and agility in both your business and IT execution.

Question 2 - How many of your digital transformation projects are delivered on time and within budget?



Agenda

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an Example at Boston Scientific | slide 54 |
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5 Agile Strategy Execution Steps with Enterprise Architecture

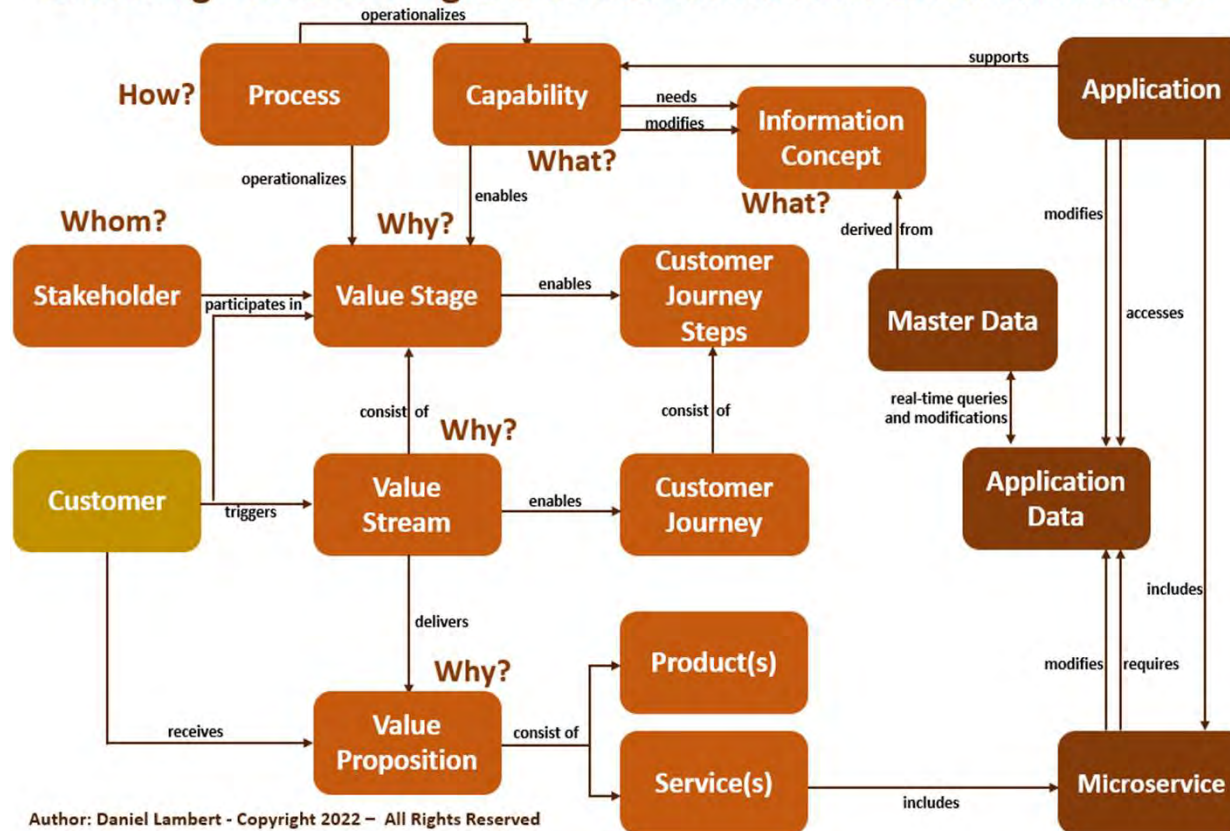


The Business and Enterprise Architect's Collaborators

CXOs	Patients/Partners	CIOs	Patients/Partners/Users	Patients/Partners
Head Office Strategists	Subject Matter Experts	Program Managers	Agile Experts	Head Office Strategists
Business Unit Executives	Business/Change Managers	Portfolio Managers	Business Process Experts	Finance Managers
Business Managers	Product Managers	Financial Analysts	Business Analysts	
Change Managers	Marketers	Applications/Solution Architects	Software Developers	
	Data/BI Architects	IT/Software Architects	IT/Software Architects	

Customer-Driven Enterprise Architecture

Extracting Value from Agile Business Architecture and IT Architecture



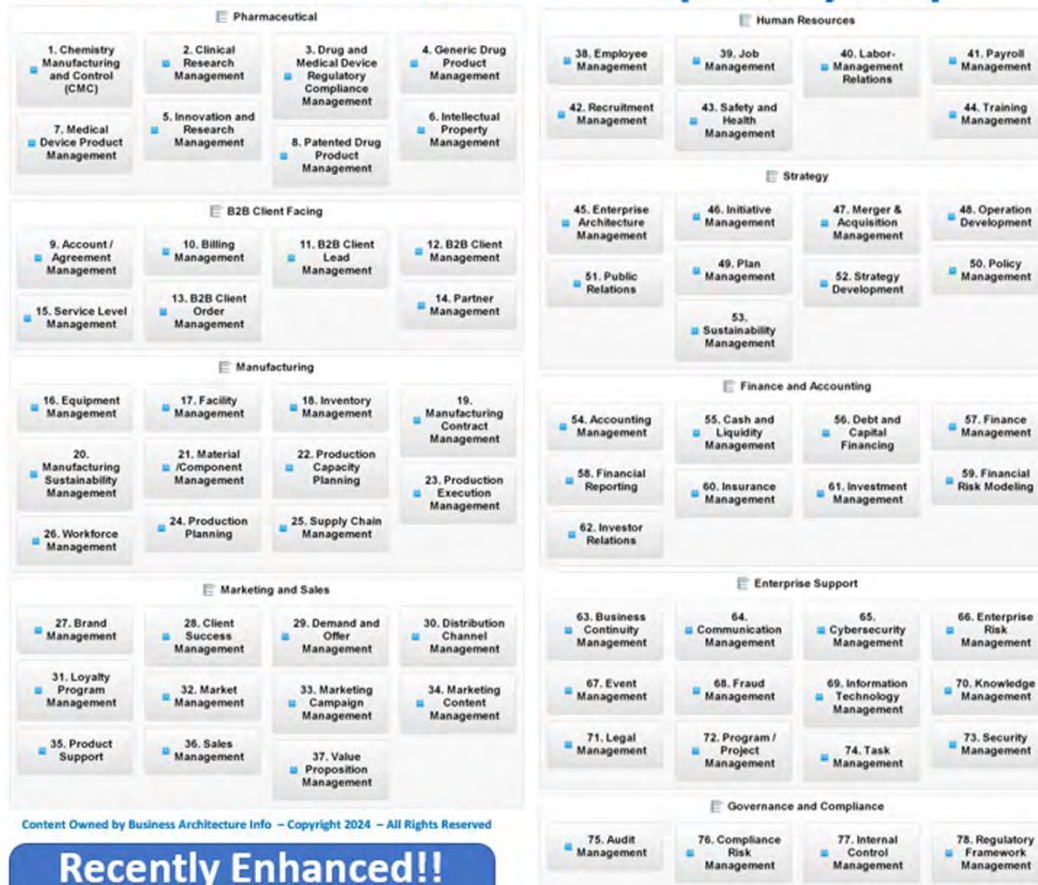
Question 3 - Do You Use Capabilities in Your Organization?



Why Use Capabilities?

- Why not Business Units, Departments?
 - Business Units may perform usually several capabilities
 - Business Units are not as stable as capabilities over time
- Why not Processes? Processes changes often over time and from one business unit to another
- Capabilities reduce the perceived complexity of a business. A summary capability map can often be shown on a single page, which makes it possible for decision-makers not to get lost in irrelevant details

Pharmaceutical Level 1 Capability Map



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**Recently Enhanced!!
Version 3.2**



Avoid Focusing Strictly on Business Capabilities



MAERSK

➤ The Maersk Example 8 years ago

Agenda

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Business Capability Cross-Mapping

- Cross-mapping helps to identify duplication and redundancy across the enterprise.

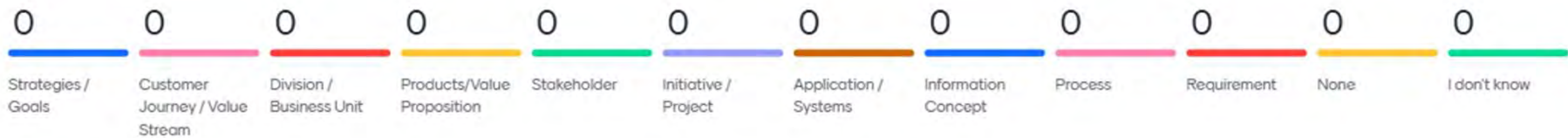
- Types:

1. Capability/Organization Mapping
2. Capability/Value Stream Mapping
3. Capability/Application
4. Capability/Process
5. Capability/Information
6. Capability/Product
7. Capability/Initiative
8. Capability/Requirement
9. Capability/Strategy
10. Capability/Stakeholder

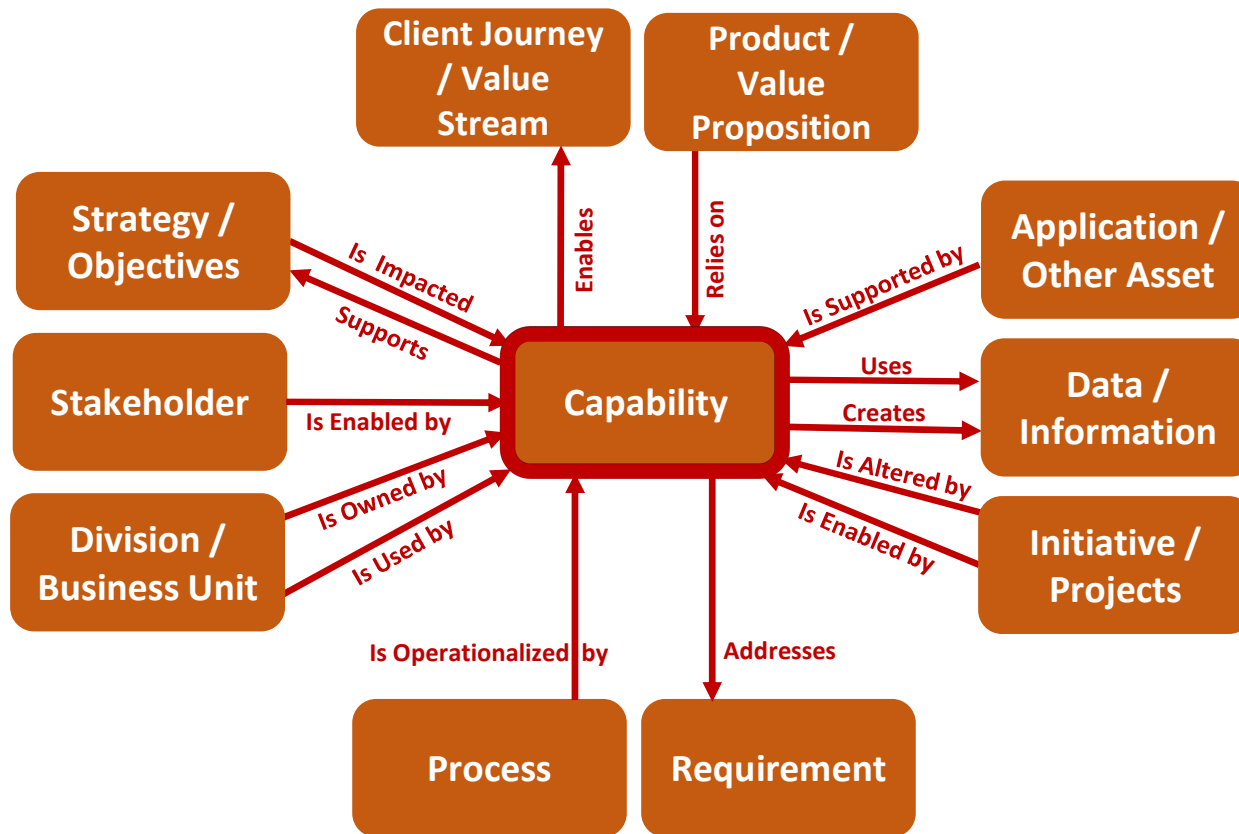


**These 5 according
to TOGAF**

Question 4- What Domains Are Aligned to your Capabilities in Your Organization? (If Capabilities Are Used in your Organization)

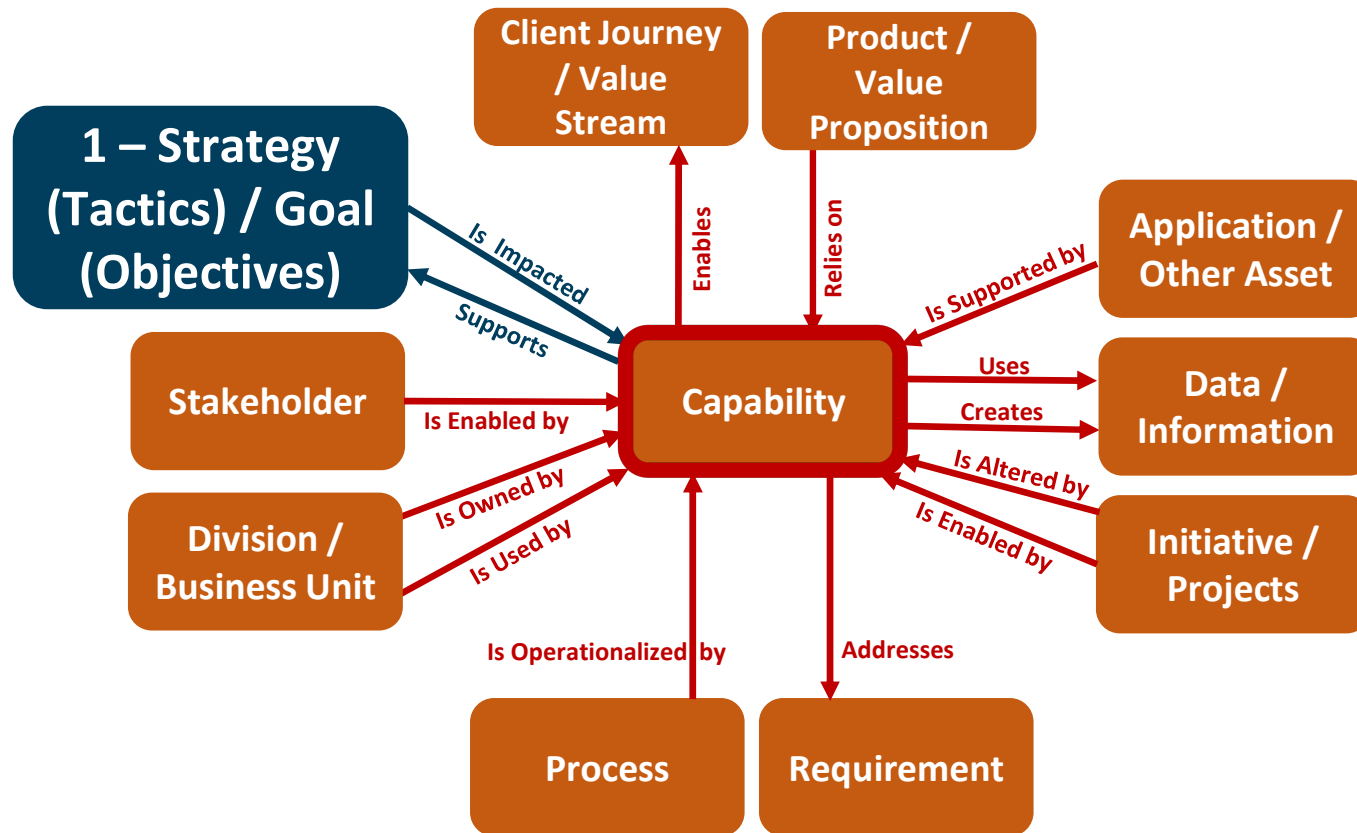


Business Capability Alignments

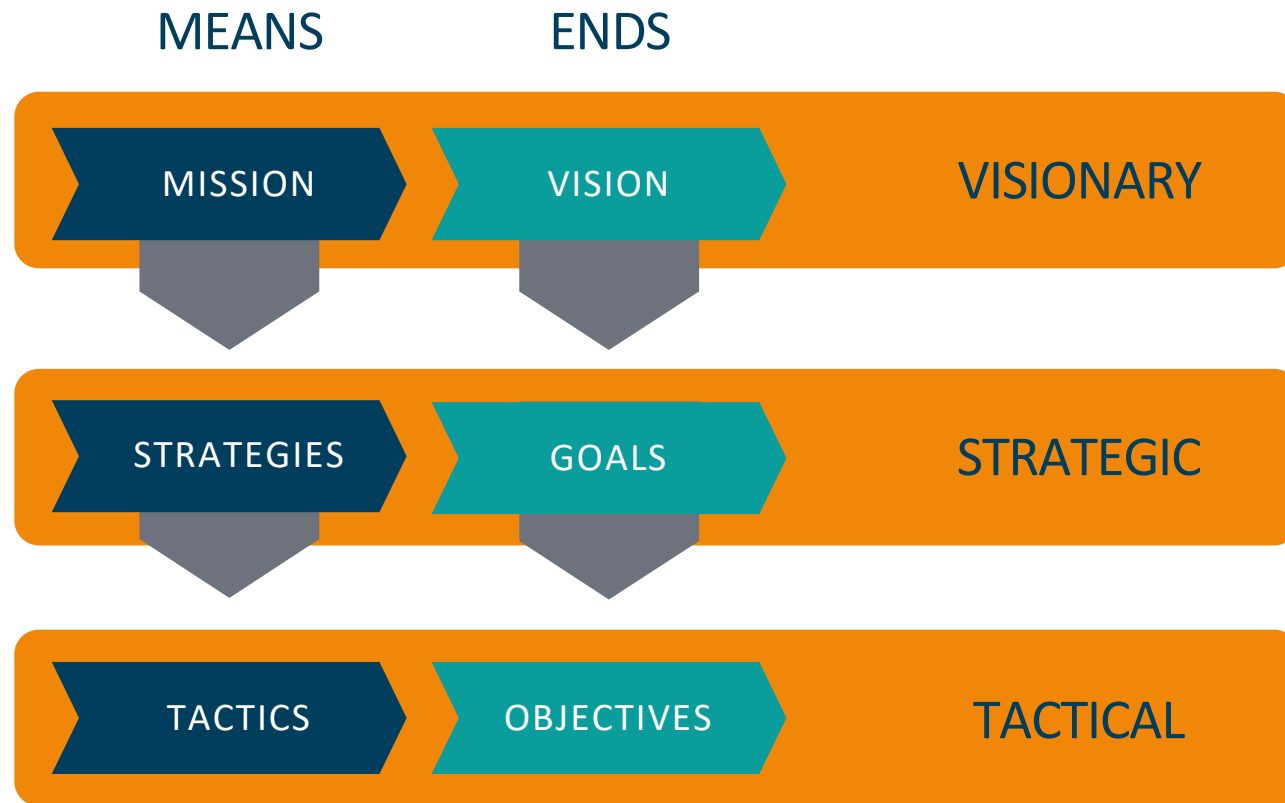


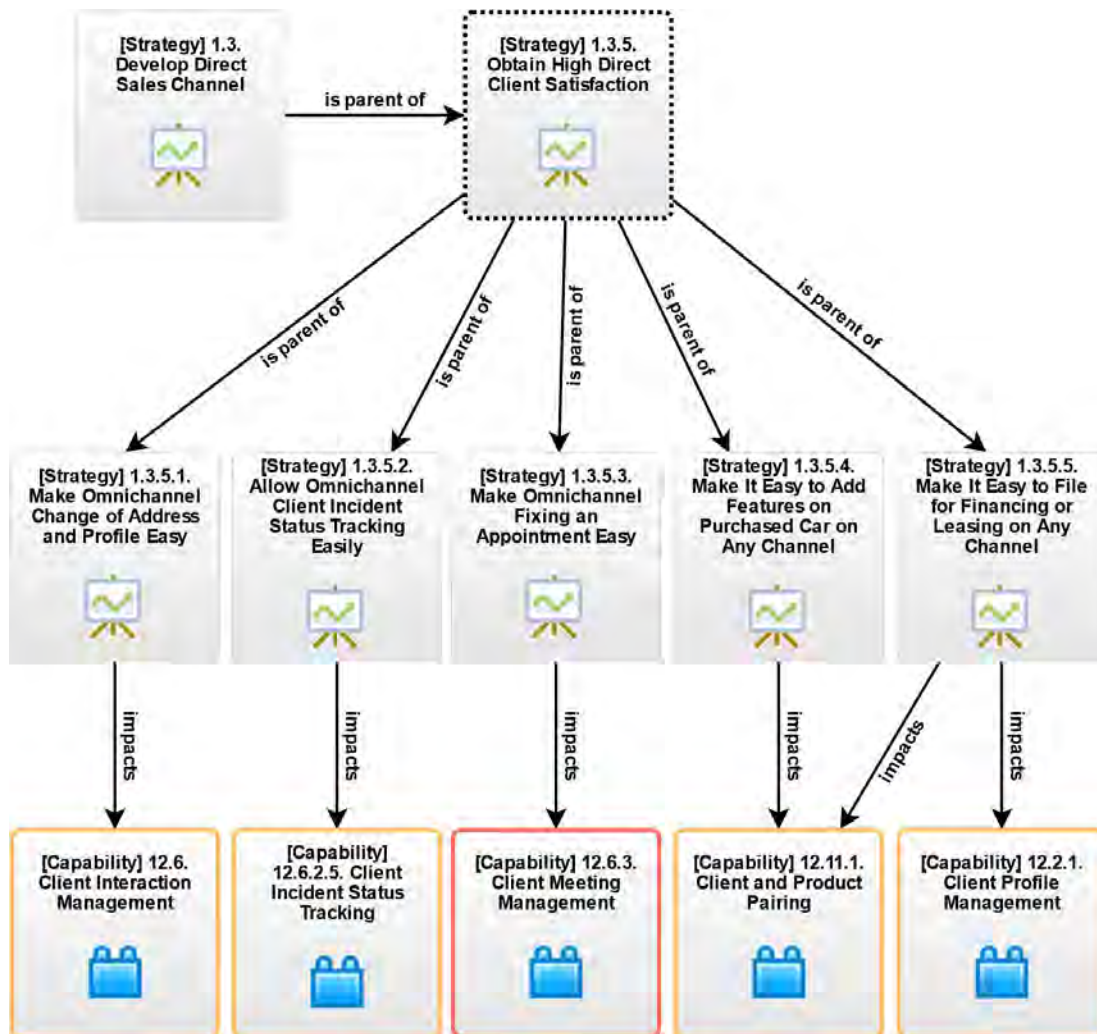
Business Capabilities Can Align up to 10 Domains

Business Capabilities and Strategies



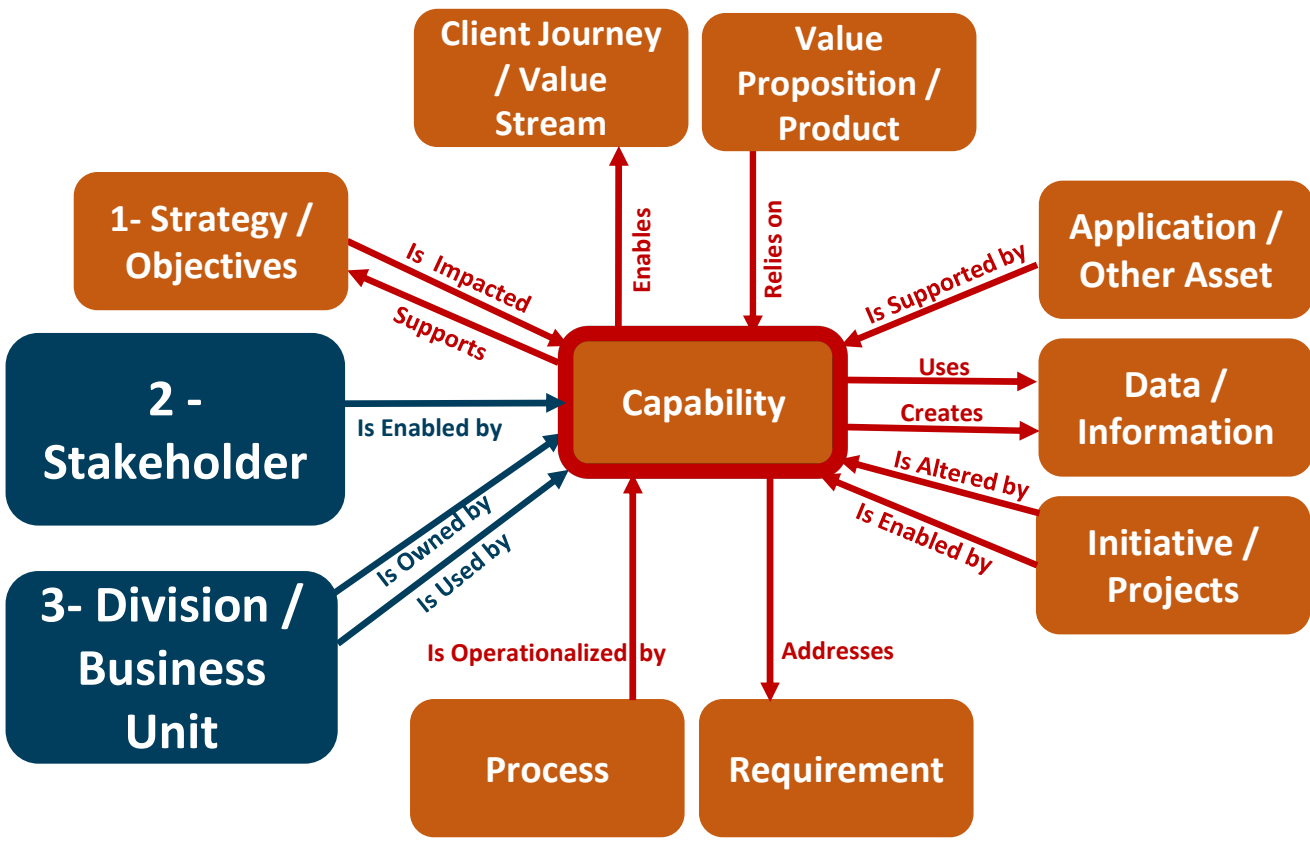
Business Motivation Model





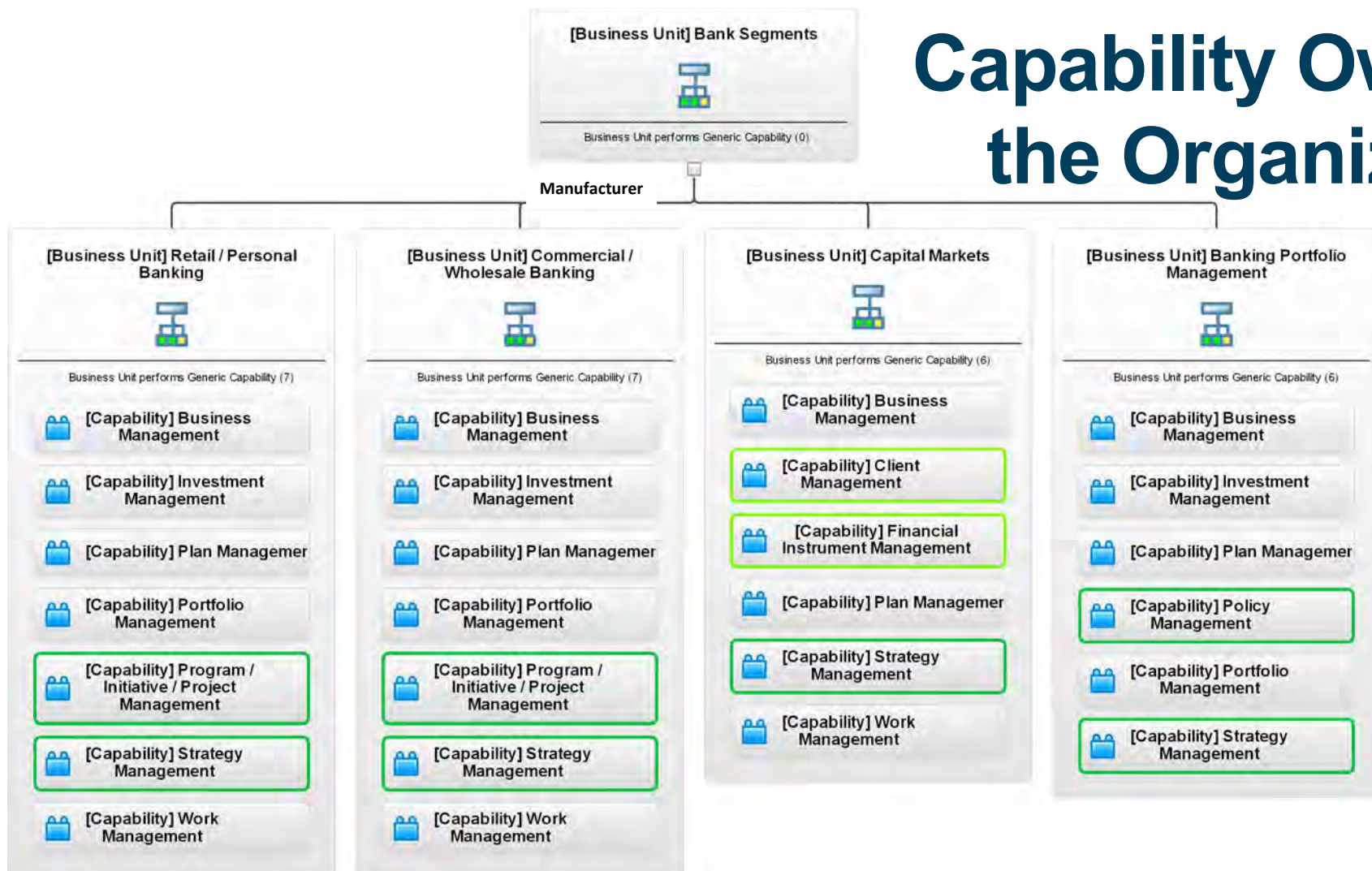
Business Capabilities and Objectives

Capabilities and Divisions or Business Units

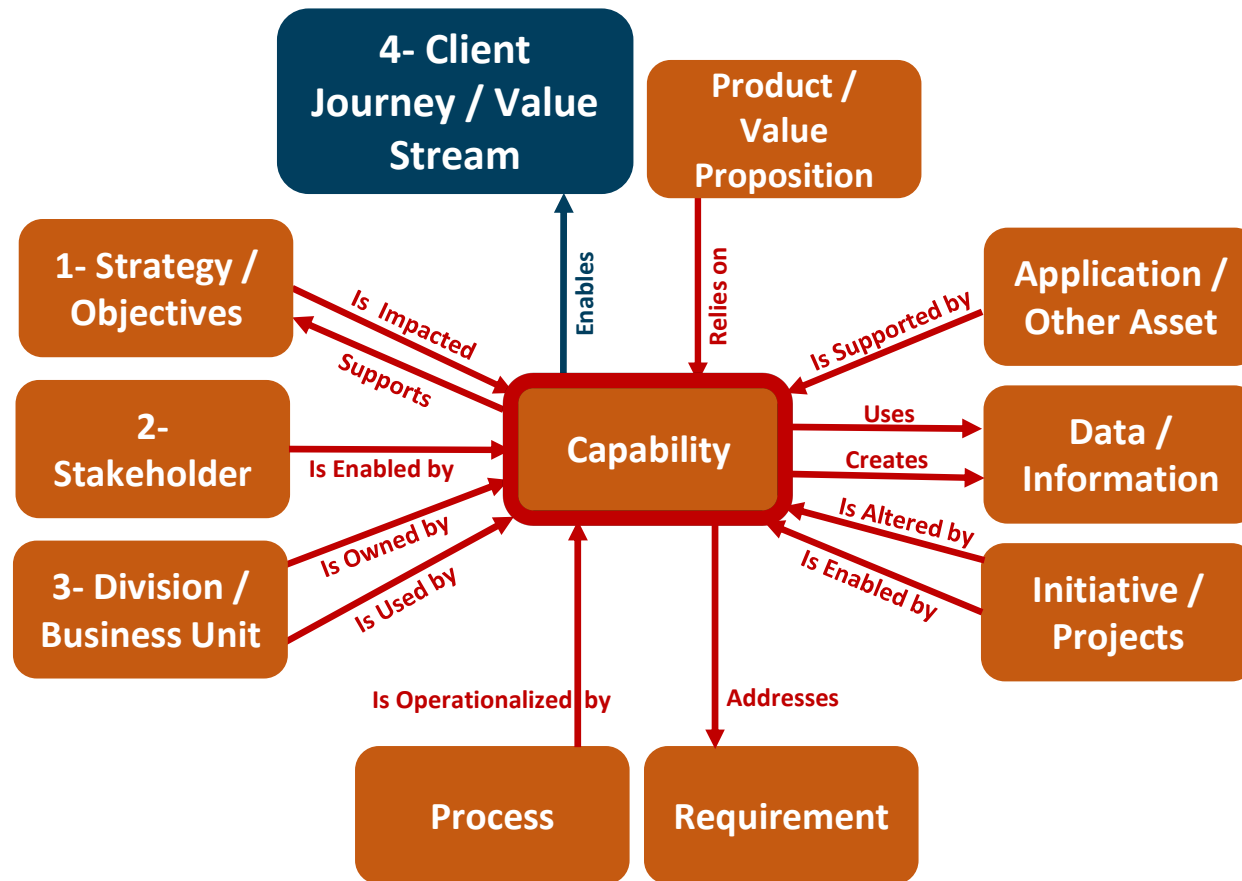


Capability Owned by the Organization

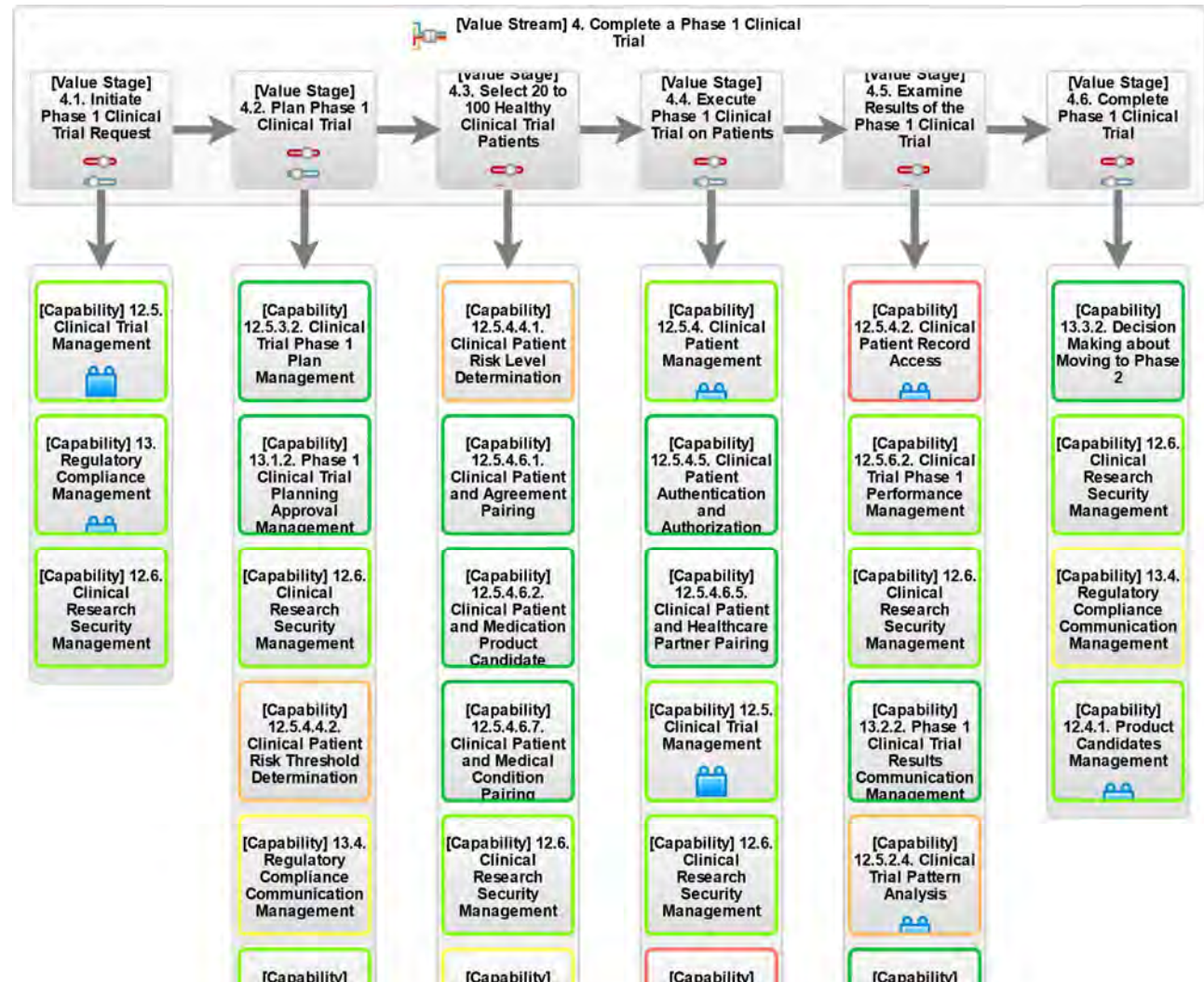
Improve



Capabilities and Client Journeys / Value Streams



Value Stream with Enabling Capabilities Example



- Legend -

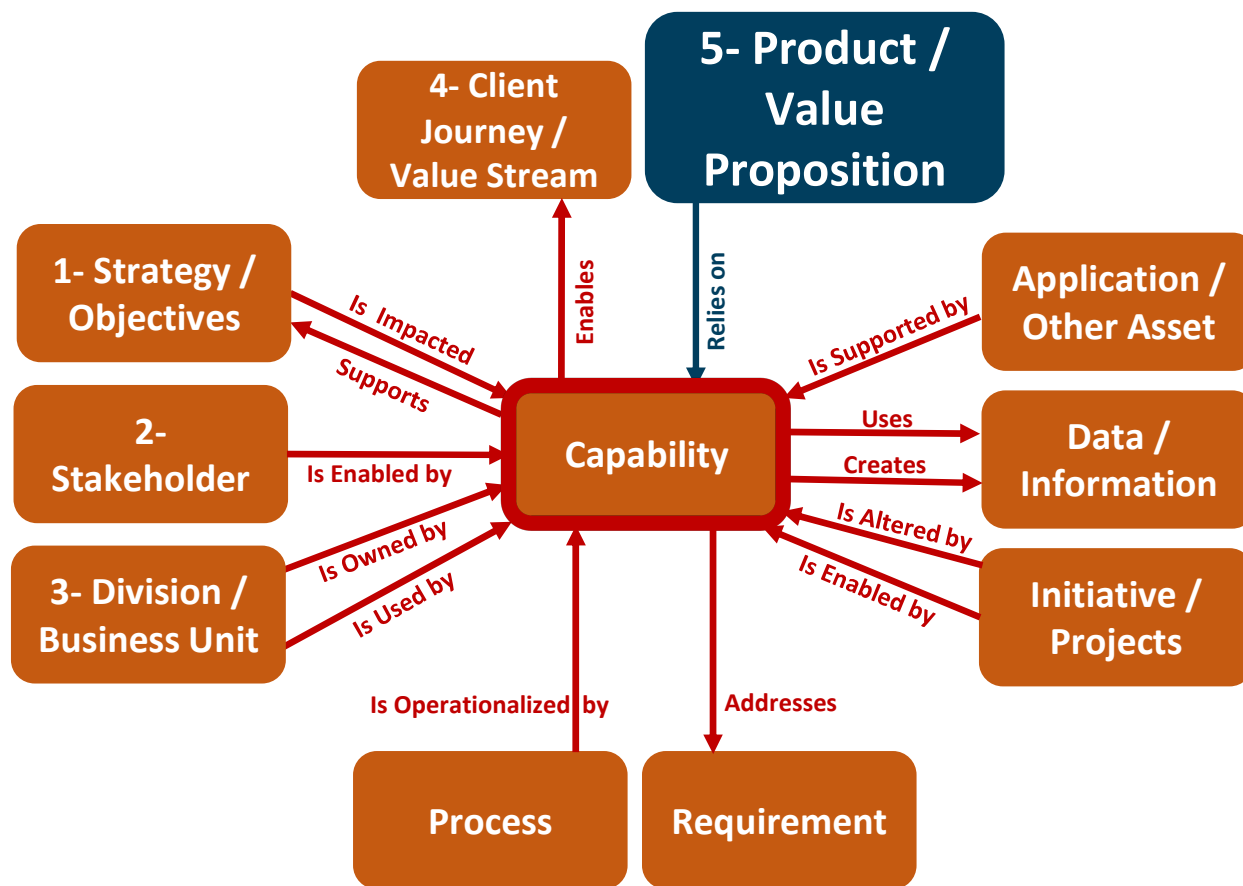
Performance Heat Map

- Very Low
- Low
- Medium
- High
- Very High

Client Journeys

Steps Sub-Steps	Consider a Category of Medication		Evaluate & Compare		Commit to Medication	
	Search for Medical Information	Talk to Friends & Family	Visit Physician	Analyze & Ask Questions	Purchase Prescribed Medication	Ask Questions to Pharmacist
Interaction Type	Iterative	Bidirectional	Controlled Evaluation	Bidirectional	Linear	Bidirectional
Goals	<ul style="list-style-type: none"> - Learn about possible diseases associated with symptoms 	<ul style="list-style-type: none"> - Talk about symptoms - Talk about solutions - Receive reference to a physician 	<ul style="list-style-type: none"> - Receive diagnostic about disease - Receive prescription for medication - Understand next medical steps 	<ul style="list-style-type: none"> - Ask about disease - Ask about medication options - Ask about prescribed medication 	<ul style="list-style-type: none"> - Purchase prescribed medication - Pay using medical insurance 	<ul style="list-style-type: none"> - Side effects of medication - Will the medication be paid by the patient's medication insurance
Opportunities	<ul style="list-style-type: none"> - Disease reviews available on the web - Ads about disease and medication - Medication reviews available on the web 	<ul style="list-style-type: none"> - Disease reviews available on the web - Ads about disease and medication - Medication reviews available on the web 	<ul style="list-style-type: none"> - Appealing product literature for physicians - Build solid relationship with physicians 	<ul style="list-style-type: none"> - Make sure that physician knows about our medication product - Have a comparative sheet of our medication product versus competition - Have scientific papers about clinical trials 	<ul style="list-style-type: none"> - Have appropriate medication 	<ul style="list-style-type: none"> - Access to medication mobile app that includes relevant information and allows interaction
Challenges	<ul style="list-style-type: none"> - Medication available from competitors - Difficult to have valid medication information 	<ul style="list-style-type: none"> - Difficult to influence friends and family 	<ul style="list-style-type: none"> - Interact with busy physician 	<ul style="list-style-type: none"> - Provide our medication product information as part of analysis 	<ul style="list-style-type: none"> - Make sure that the pharmacist understands benefits of our medication product vs others 	<ul style="list-style-type: none"> - Make sure that the pharmacist understands benefits of our medication product vs others
Touchpoints	<ul style="list-style-type: none"> - Smart Phone - Tablet - Computer - TV 	<ul style="list-style-type: none"> - Smart Phone - Tablet - Computer - TV - Phone - Patient's home 	<ul style="list-style-type: none"> - Smart Phone - Tablet - Computer - Phone - Physician's premise 	<ul style="list-style-type: none"> - Smart Phone - Tablet - Computer - Phone - Physician's premise 	<ul style="list-style-type: none"> - Drug store - Fax 	<ul style="list-style-type: none"> - Drug store - Smart phone
Emotion	Stressed	Stressed	Stressed	Stressed	Neutral	Neutral

Capabilities and Products / Value Propositions

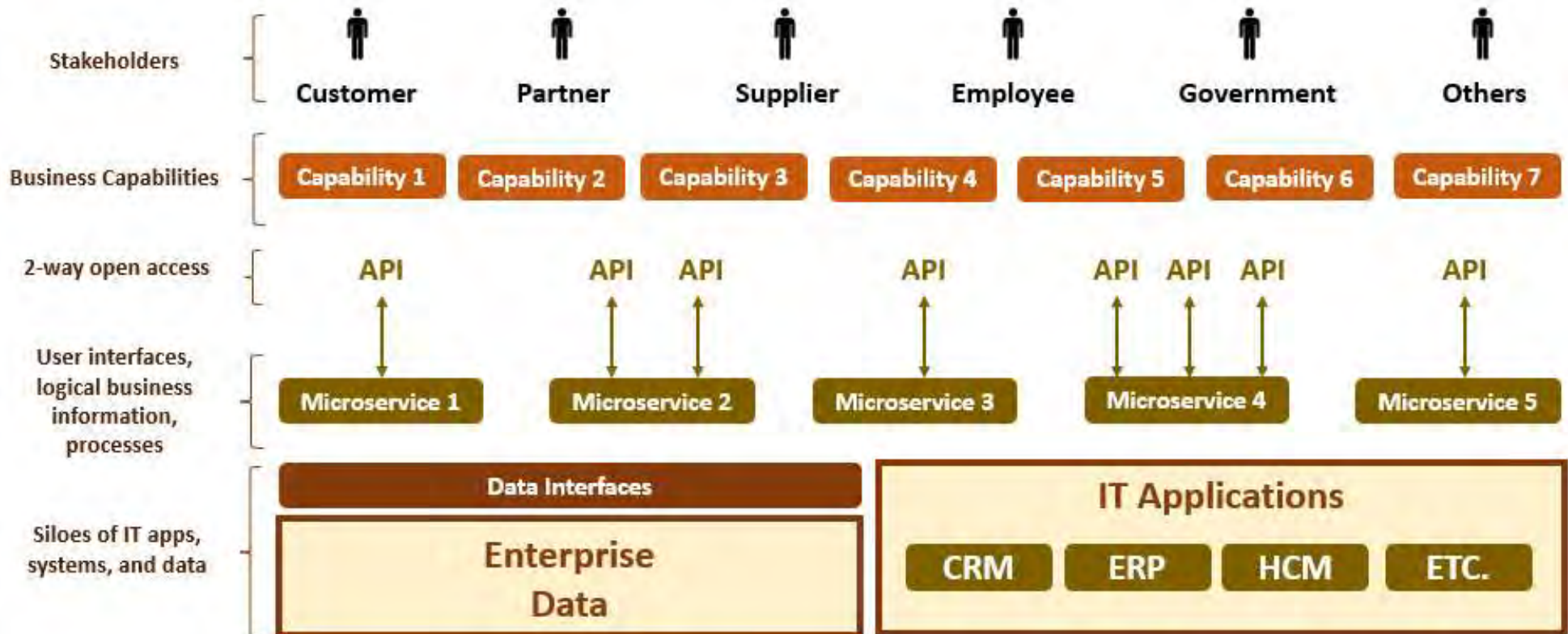


Product Alignment with Business Units and Capabilities

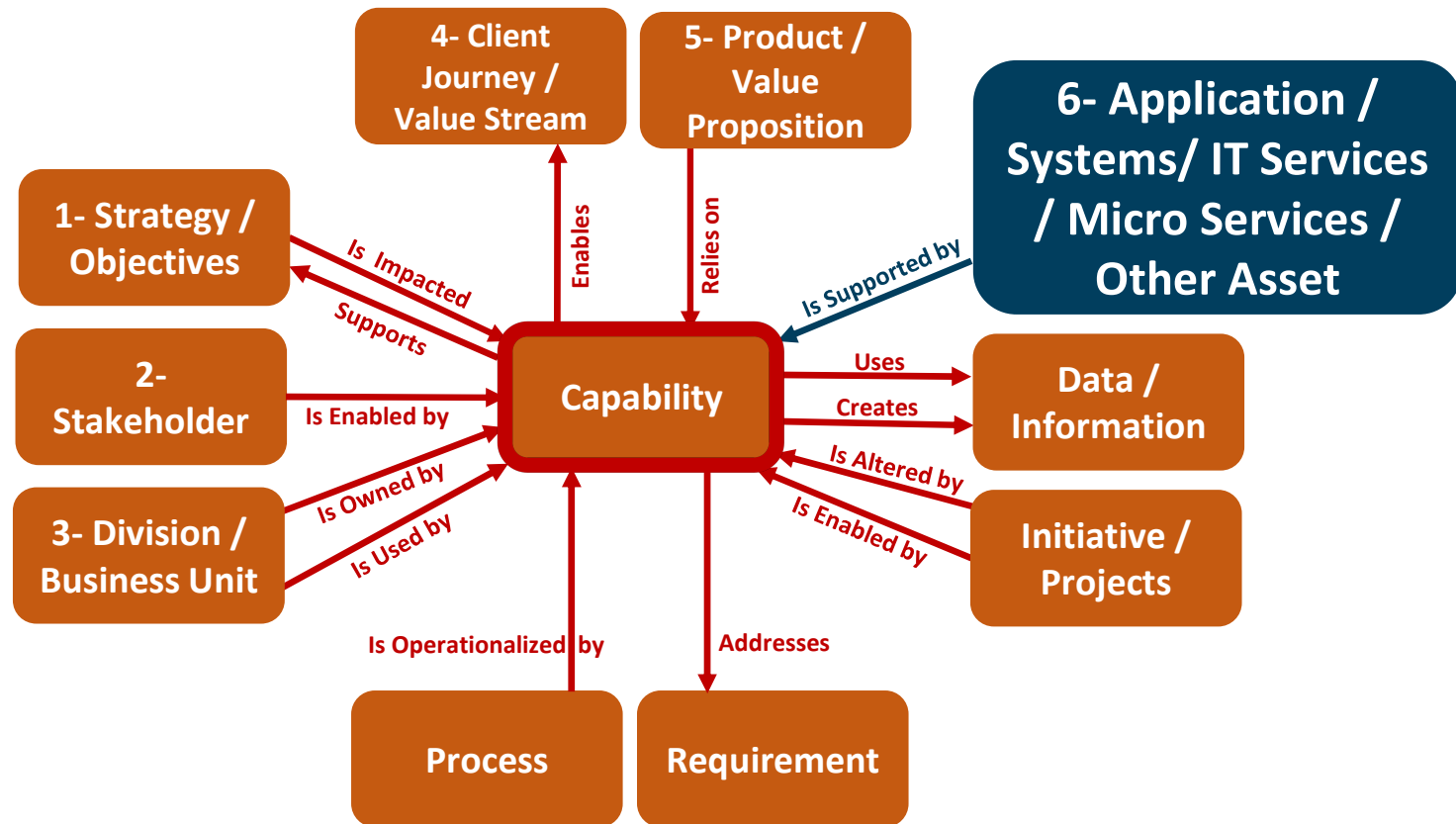
Business Unit 1	M, O	O			O	
Business Unit 2		M, O	M, O	O		
Business Unit 3		O		M, O	O	
Business Unit 4	O	O			M, O	
Business Units	Products	Product 1	Product 2	Product 3	Product 4	Product 5
Capabilities						
Capability 1	E		E		E	
Capability 2		E		E		
Capability 3			E	E	E	
Capability 4					E	
Capability 5	E					
Capability 6				E		
Capability 7		E		E		
Capability 8	E	E			E	

Legend: M: manages (ex: Business Unit 1 manages Product 1); O: offers (ex: Business Unit 4 offers Product 1)
E: enables (ex: Capability 2 enables Product 2)

Microservices Aligned to MicroServices



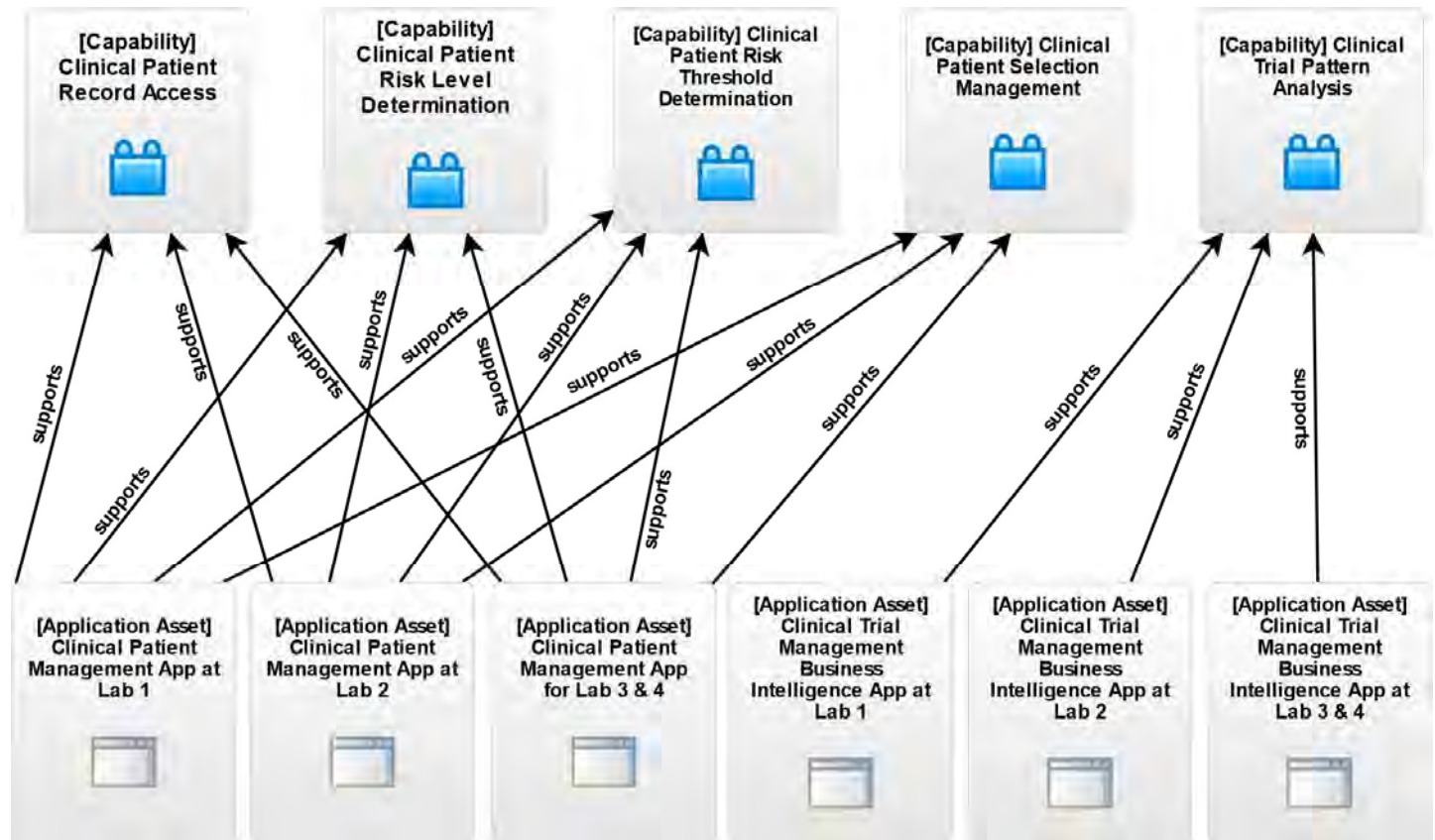
Business Capability and Applications



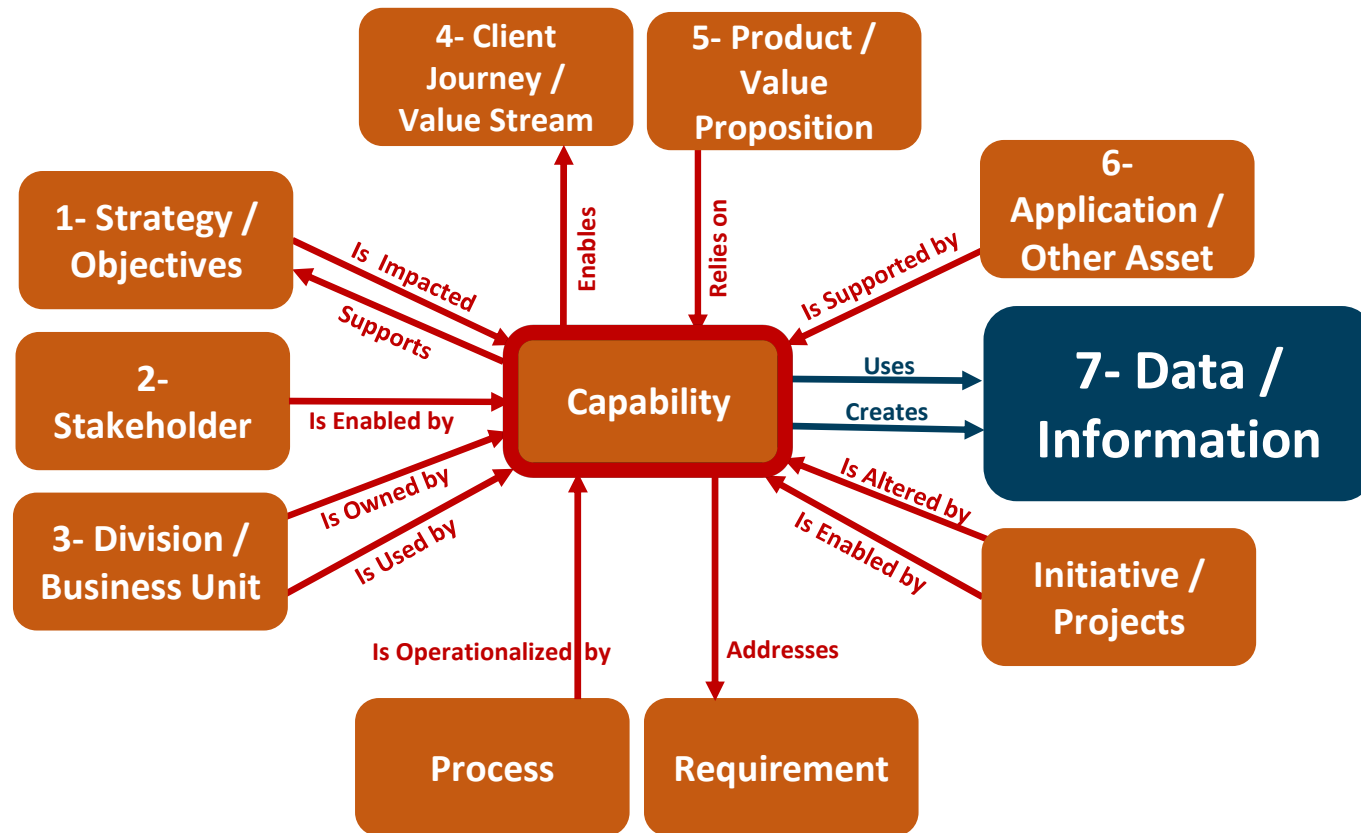
Focusing on Problematic Capabilities

PROBLEMATIC CAPABILITIES

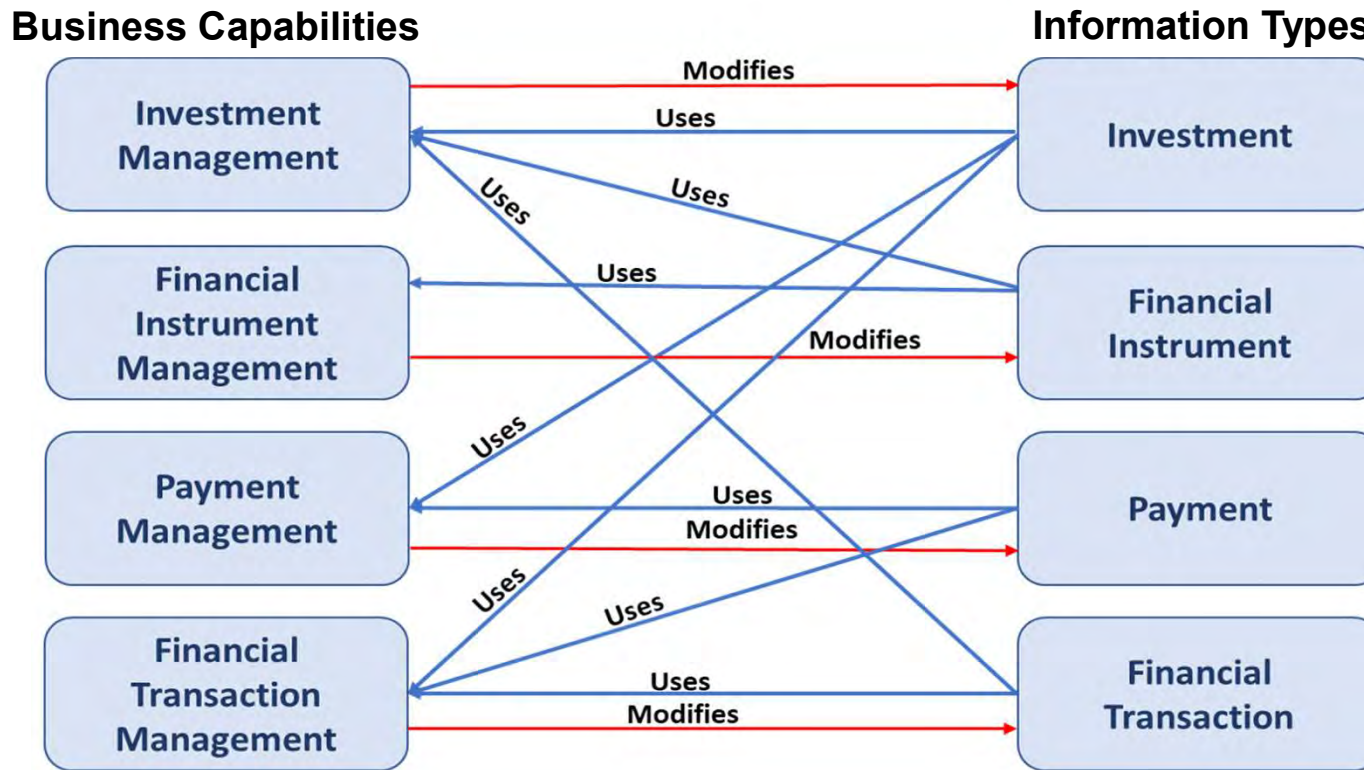
SUPPORTING APPLICATIONS



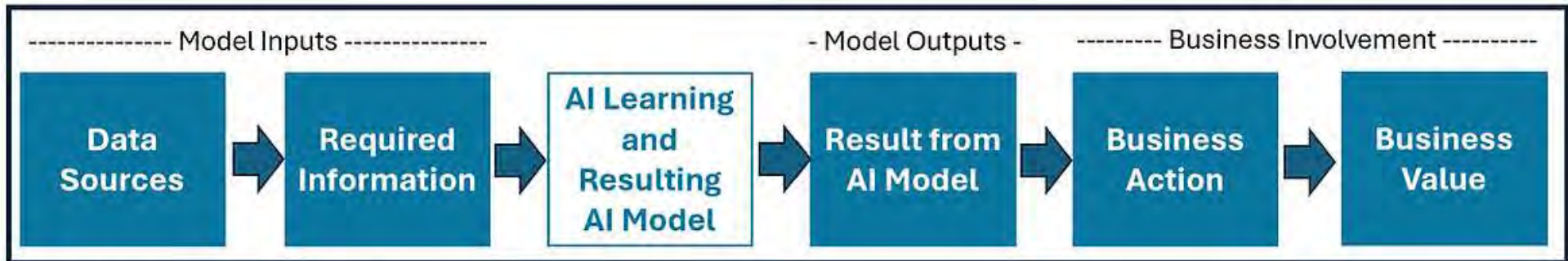
Business Capability and Information



Business Capabilities and Information Types



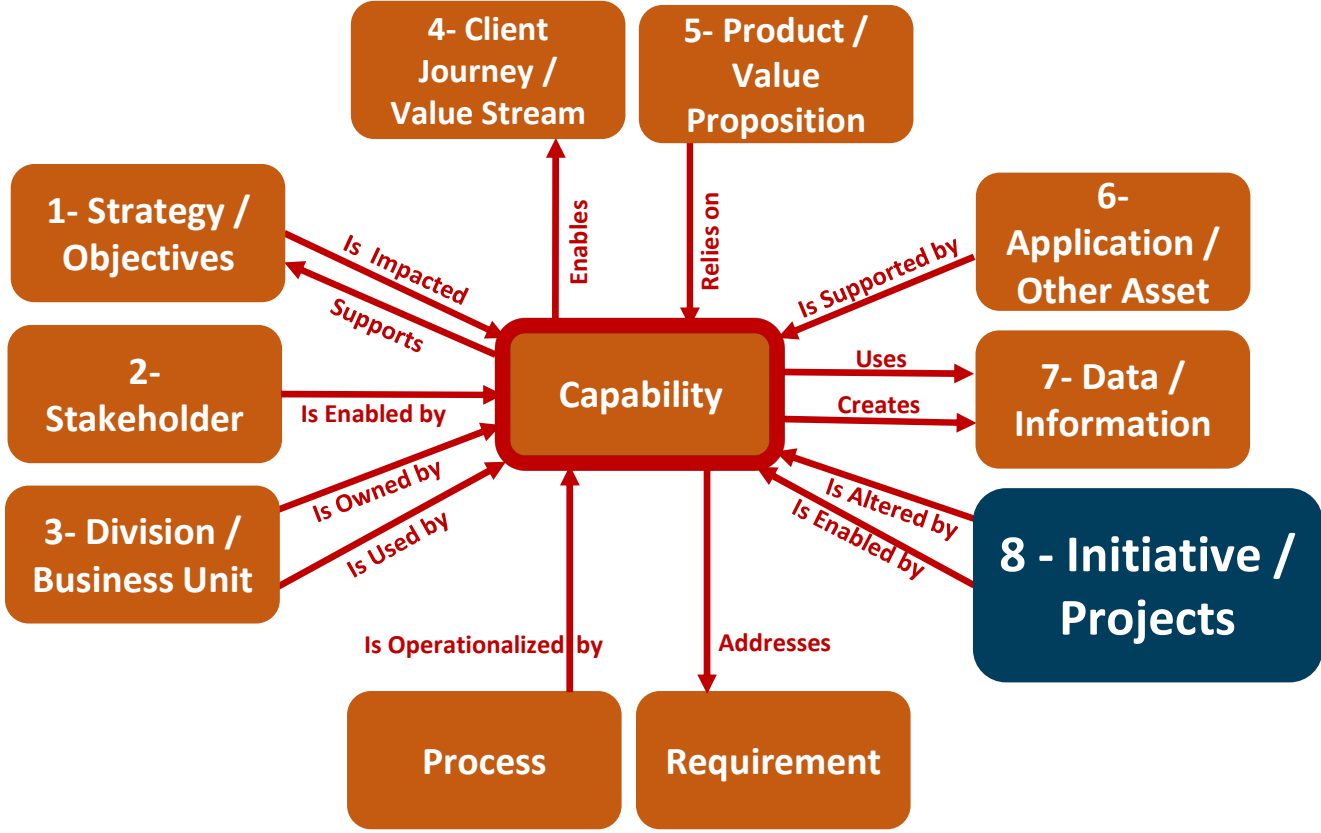
Generating Value with Information Architecture and AI



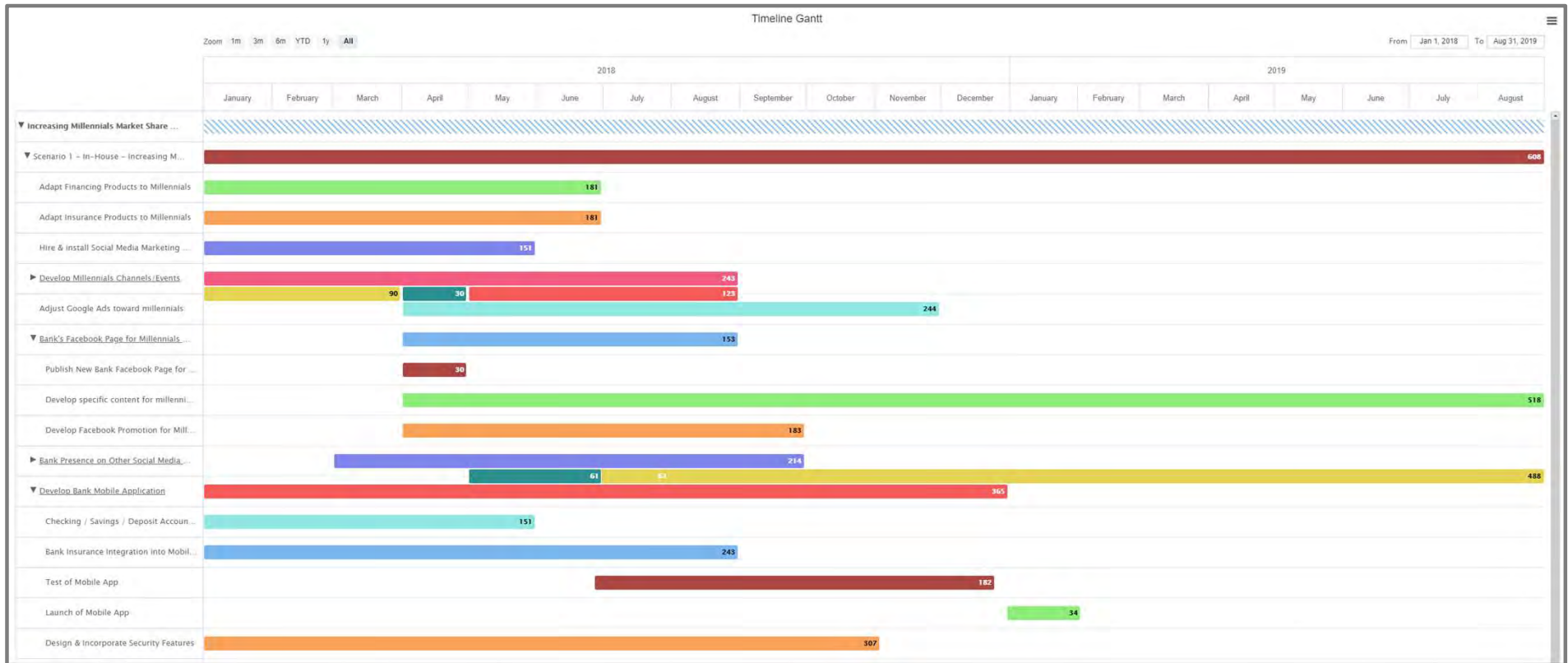
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- **Identify critical information needs:** Map out the specific data requirements necessary to address key business objectives for the AI project.
- **Assess data quality:** Conduct a thorough review of available data sources to ensure they are accurate, complete, and up-to-date for reliable AI insights.
- **Prioritize data relevance:** Focus on gathering high-quality, relevant data that directly supports the AI model's goals and business outcomes.
- **Establish data validation processes:** Implement checks to validate the data's accuracy and quality before incorporating it into the AI project pipeline.
- **Continuously monitor data quality:** Set up ongoing data assessment routines to ensure sustained quality and relevance of data sources throughout the project's lifecycle.

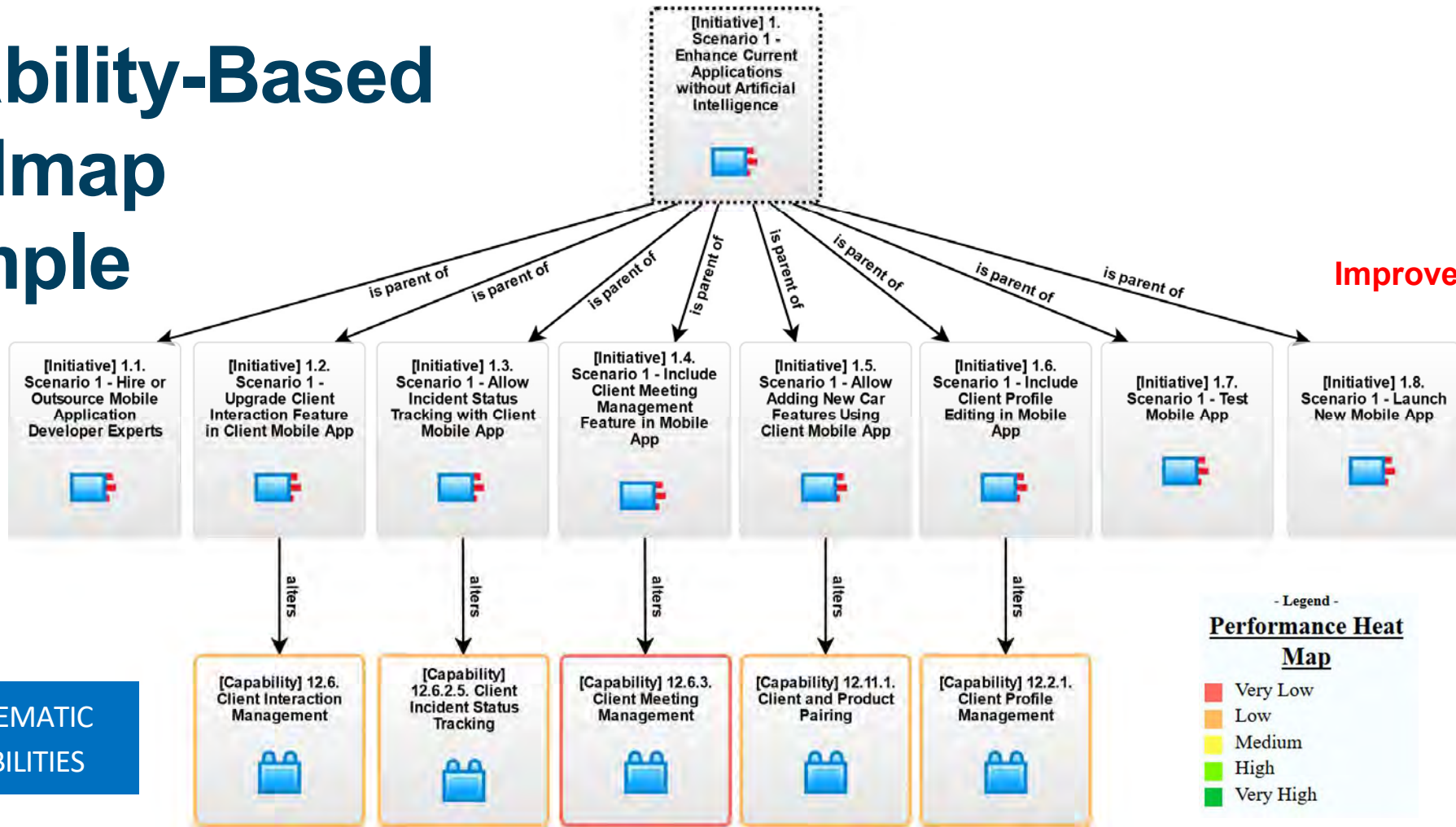
Business Capability and Initiatives / Projects



Roadmap Timeline

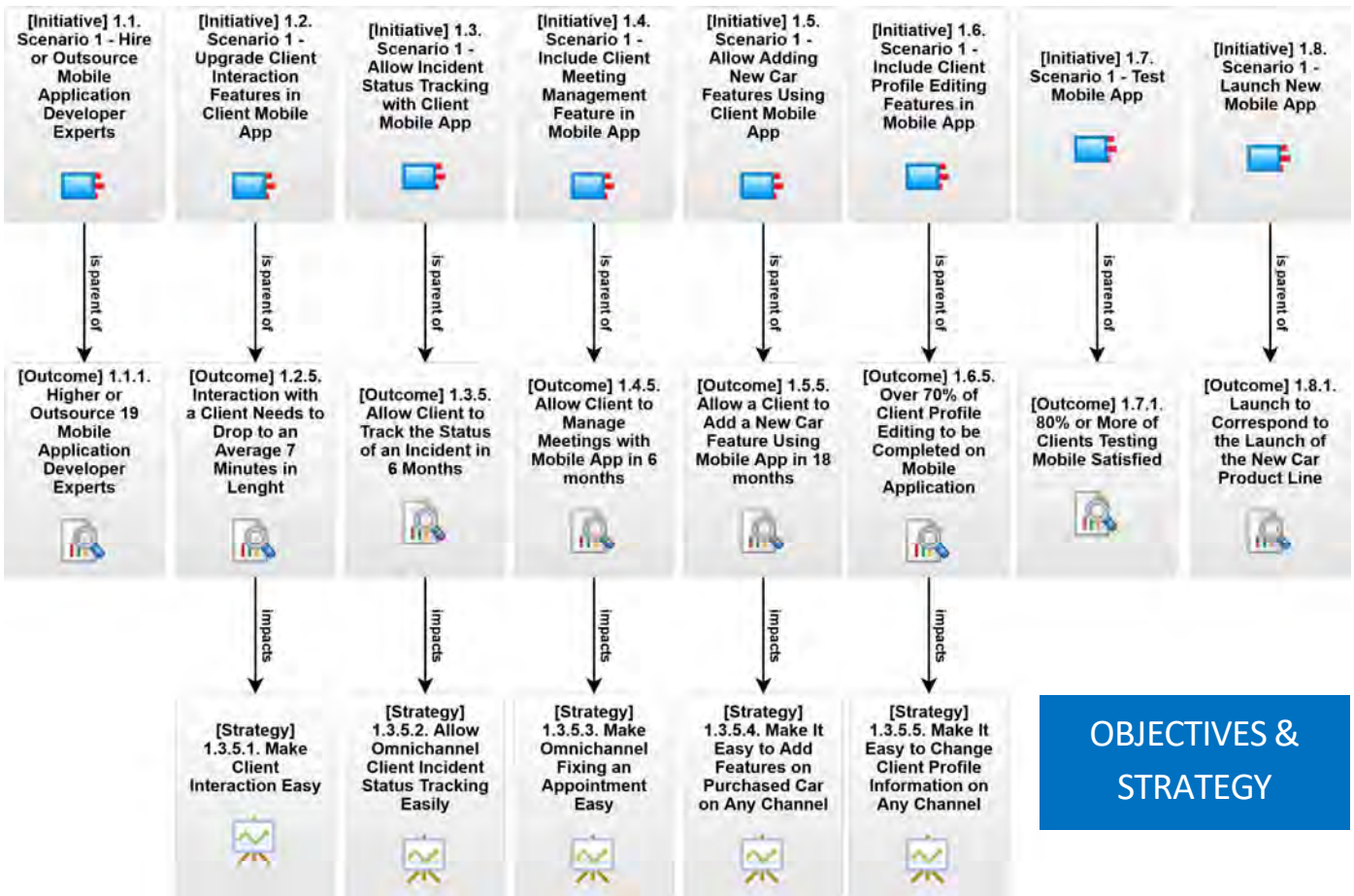


Capability-Based Roadmap Example



Improve

Business Outcome Project Delivery

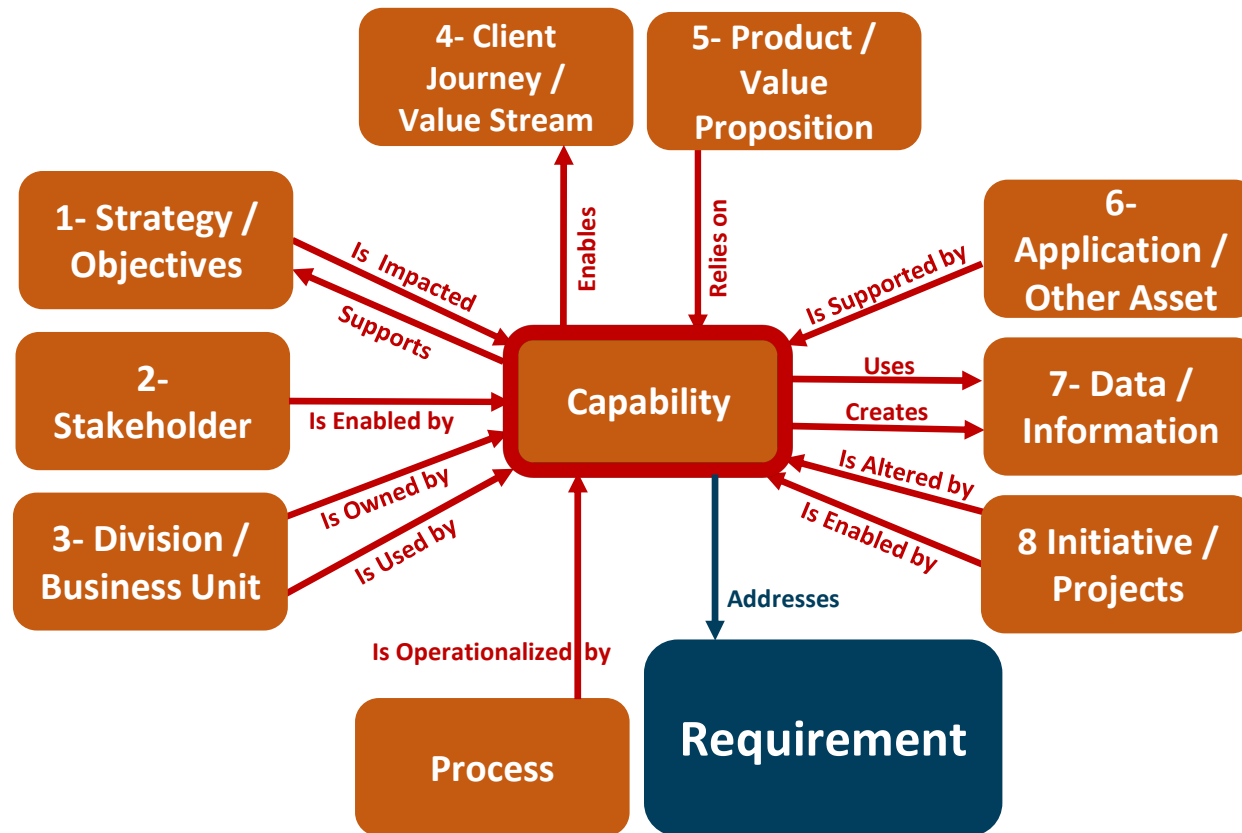


SUB-PROJECTS

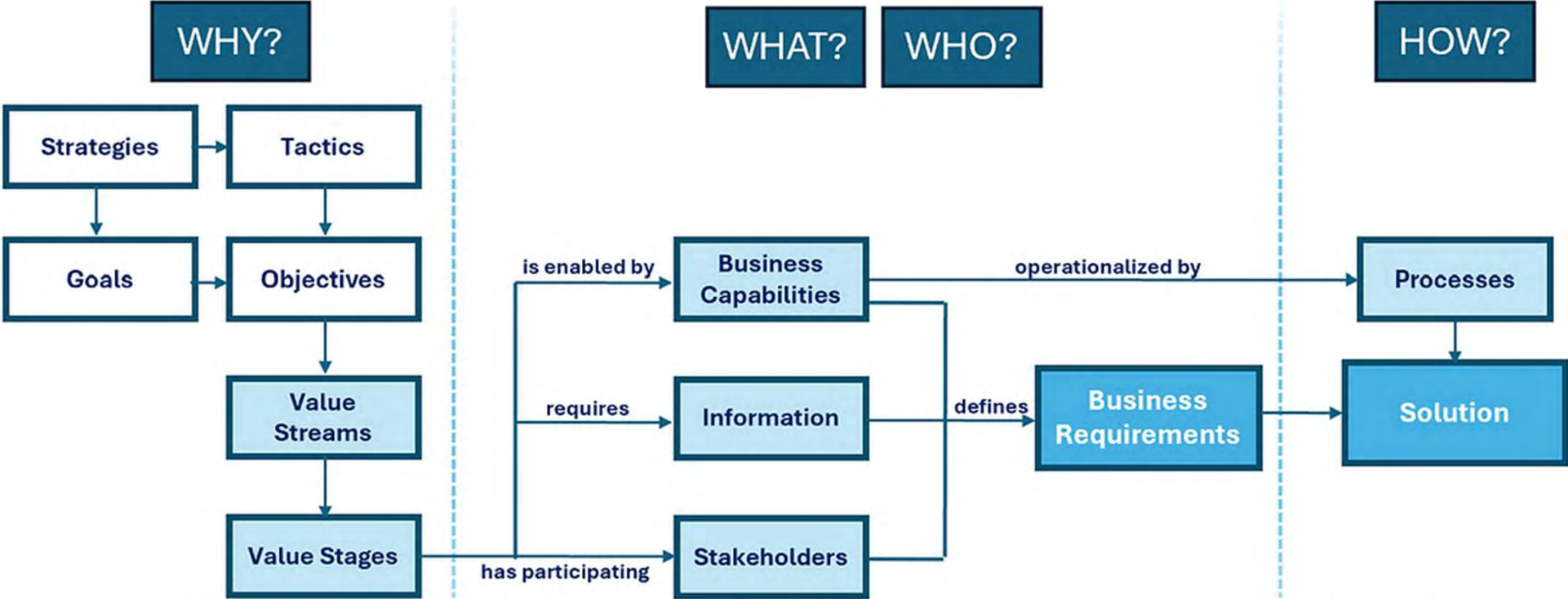
BUSINESS OUTCOMES

OBJECTIVES & STRATEGY

Business Capability and Requirements

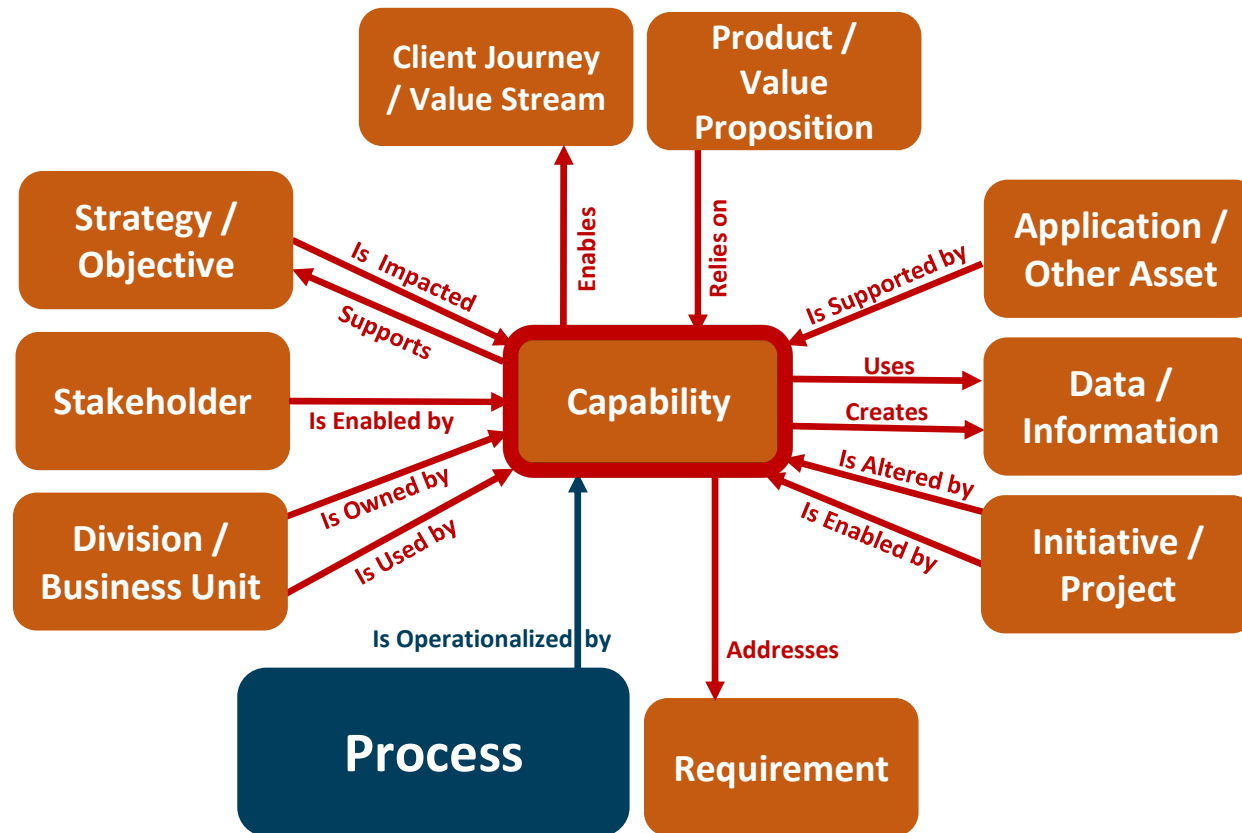


Crafting Valuable Business Requirements

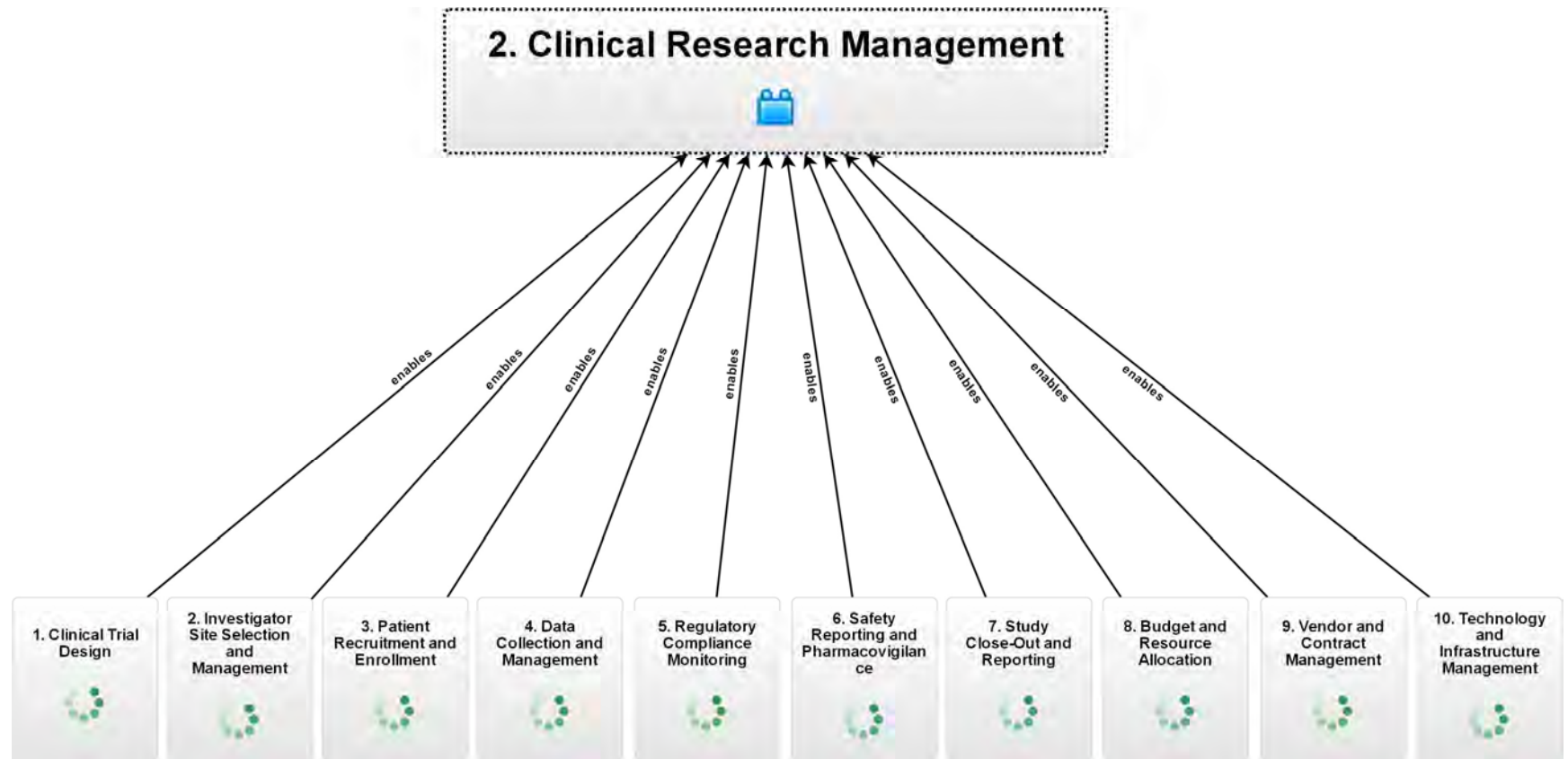


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Business Capability and Processes



Business Processes Operationalizing the “Clinical Research Management” Business Capability



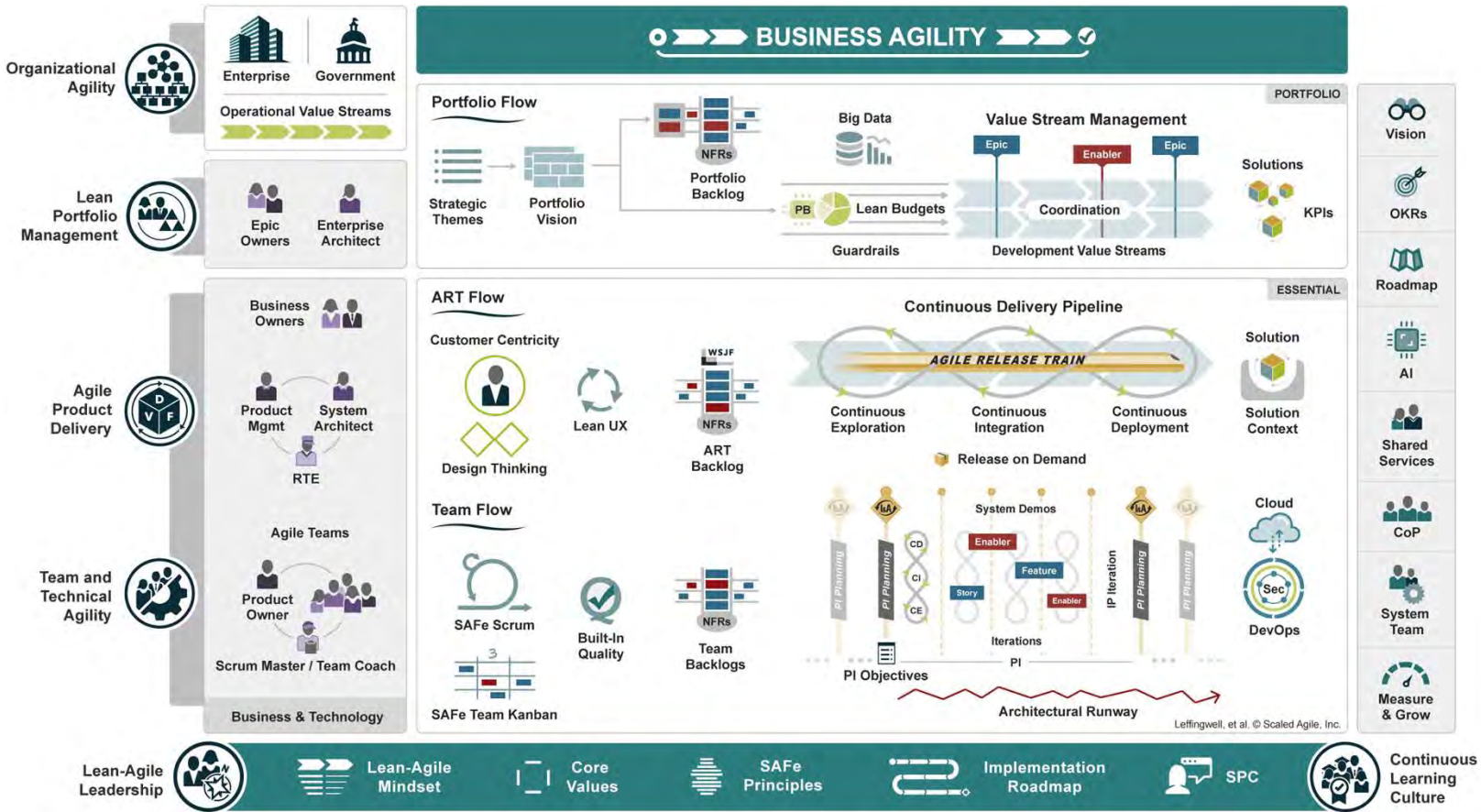
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Question 5 - Is your Enterprise Architecture or Business Architecture Practice Involved in the Planning of Digital Transformation Projects?



Scaled Agile Framework® (SAFe®) and Architecture



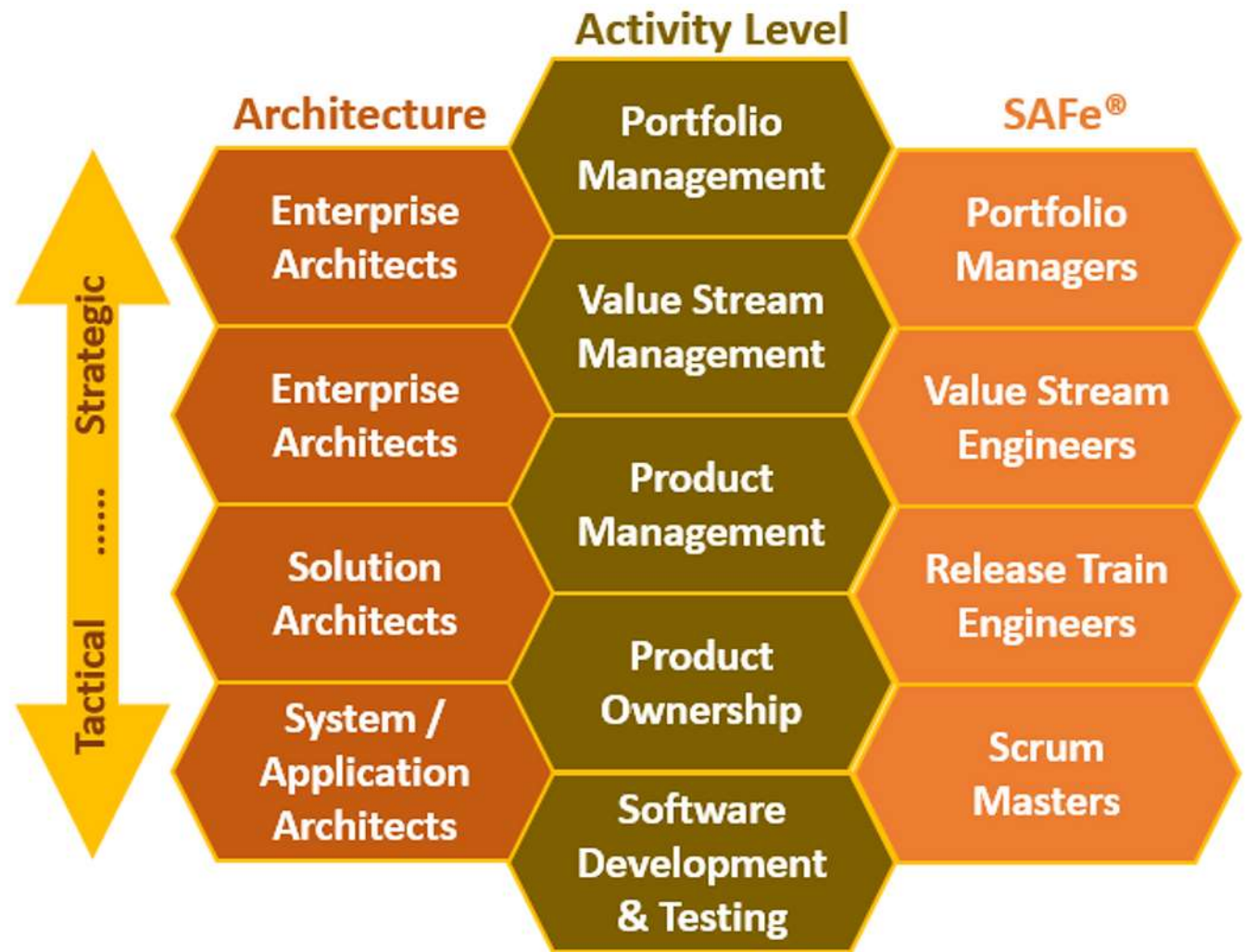
- SAFe® is about Value Stream Management
- The Need for Architecture
- Early Business Architecture Engagement Preferable

Source: <https://scaledagileframework.com/#portfolio>

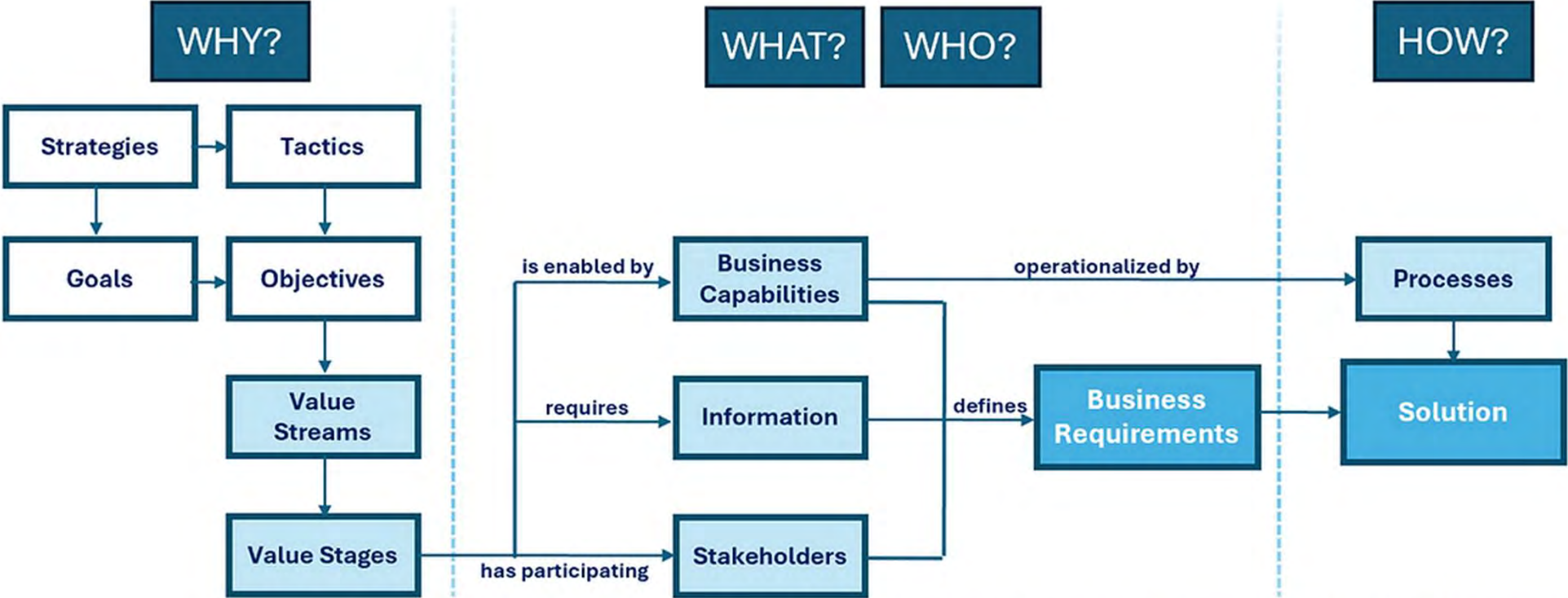
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Architecture Alignment and Collaboration to SAFe®

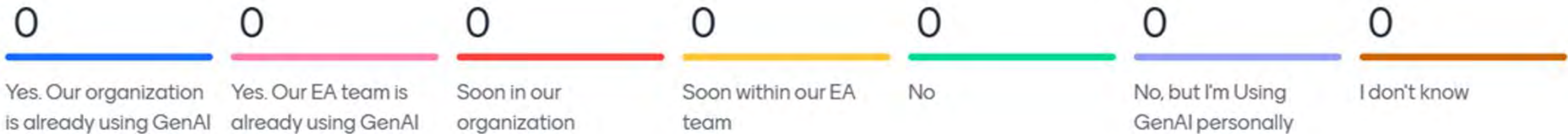


Crafting Valuable Business Requirements



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Question 6 - Do You Use Generative AI Within Your Organization?



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Boston Scientific – Context According to ChatGPT – p. 1

- ❑ Boston Scientific's mission is to transform lives through innovative medical solutions that enhance patient health worldwide. The company envisions leading the advancement of less-invasive medical technologies, aiming to improve patient outcomes and quality of life.

- ❑ To achieve these objectives, Boston Scientific employs several key strategies:
 - Category Leadership: Strengthening its position in existing markets by offering superior products and services.
 - Expansion into High-Growth Areas: Entering new therapeutic domains and geographic regions to drive growth.
 - Global Collaboration: Partnering with healthcare professionals and organizations worldwide to extend the reach of its medical solutions.
 - Meaningful Innovation: Fostering creativity to develop breakthrough services and solutions that create value for patients, customers, and employees.

Note: Result from a prompt on ChatGPT made by Business Architecture Info.

Boston Scientific – Context According to ChatGPT – p. 2

❑ Boston Scientific serves diverse customer segments, including:

- Healthcare Providers: Hospitals, clinics, and medical professionals utilizing the company's devices and therapies.
- Patients: Individuals benefiting from treatments for various medical conditions.
- Healthcare Systems: Organizations seeking efficient, cost-effective medical solutions to improve patient care.

❑ The company's product portfolio encompasses:

- Cardiac Rhythm Management: Devices for monitoring and treating heart rhythm disorders.
- Electrophysiology: Technologies for diagnosing and treating heart rhythm abnormalities.
- Interventional Cardiology: Minimally invasive devices for coronary artery disease and structural heart conditions.
- Endoscopy: Tools for diagnosing and treating gastrointestinal and pulmonary conditions.
- Urology: Solutions addressing kidney stones, prostate health, and urinary incontinence.
- Neuromodulation: Implantable technologies for managing chronic pain and neurological disorders.
- Peripheral Interventions: Therapies for peripheral artery and venous diseases.

Note: Result from a prompt on ChatGPT made by Business Architecture Info.

Top 7 Client-Driven Value Streams for Boston Scientific Based on ChatGPT

Name	Description	Stakeholders	Value Proposition
Develop Minimally Invasive Devices	The list of actions necessary to design, prototype, and test minimally invasive devices, which reduce recovery times and improve outcomes, is a critical aspect for Boston Scientific's innovation. These devices enhance surgical precision and patient comfort, focusing on less-invasive treatments that yield superior results and faster healing, ultimately transforming patient care and clinical outcomes.	Physicians And Surgeons Across Various Specialties	Enhanced Surgical Precision And Patient Comfort
Improve Cardiac Health Outcomes	The list of actions necessary to monitor and improve cardiac health outcomes through advanced pacing and monitoring technologies is essential for Boston Scientific to support patients with cardiovascular conditions. These solutions enable early detection and timely intervention, empowering healthcare providers to improve the longevity and quality of life of patients with cardiac issues.	Patients Requiring Medical Devices For Chronic Conditions	Early Detection And Timely Intervention
Enhance Pain Management Solutions	The list of actions necessary to develop effective pain management solutions for chronic pain relief is fundamental for Boston Scientific's dedication to improving patient comfort. These solutions aim to reduce dependence on opioids by providing alternatives through neurostimulation devices that target pain directly, enhancing patient quality of life without relying on pharmacological interventions.	Physicians And Surgeons Across Various Specialties	Alternative To Opioid-Based Pain Management
Streamline Diagnostic Imaging	The list of actions necessary to streamline diagnostic imaging processes, making it accessible and efficient, is a priority for Boston Scientific in advancing patient diagnoses. The company enhances imaging tools to provide clarity and accuracy, supporting quicker decision-making in treatment planning and enabling more effective care pathways for various medical conditions.	Hospitals And Healthcare Systems	Clarity And Accuracy In Diagnostic Imaging
Facilitate Respiratory Health	The list of actions necessary to provide tools and devices that support respiratory health in patients with chronic conditions is a core focus for Boston Scientific. By offering airway management devices and ventilatory support solutions, Boston Scientific helps improve respiratory function and enhance the overall well-being of patients dealing with pulmonary challenges.	Patients Requiring Medical Devices For Chronic Conditions	Enhanced Respiratory Function
Support Gastrointestinal Treatments	The list of actions necessary to design and manufacture innovative devices for gastrointestinal (GI) treatments reflects Boston Scientific's commitment to improving digestive health. These devices enable less invasive diagnostic and therapeutic procedures, allowing for quicker recovery and less patient discomfort while advancing treatment effectiveness in GI health management.	Medical Practices And Outpatient Facilities	Less Invasive GI Treatments

Note: Result from a prompt on ChatGPT made by Business Architecture Info.

Top 7 Client-Driven Value Streams with their Value Stages for Boston Scientific Based on ChatGPT

Value Stream	Value Stage 1	Value Stage 2	Value Stage 3	Value Stage 4	Value Stage 5	Value Stage 6	Value Stage 7
Develop Minimally Invasive Devices	Research Innovative Materials	Design Prototypes	Test Functional Performance	Incorporate Surgeon Feedback	Finalize Product Specifications	Prepare For Clinical Trials	Launch Device To Market
Improve Cardiac Health Outcomes	Conduct Cardiac Health Studies	Define Cardiac Treatment Options	Test Cardiac Devices	Incorporate Cardiologist Feedback	Finalize Cardiac Device Specifications	Prepare Cardiac Devices For Trials	Launch Cardiac Health Solutions
Enhance Pain Management Solutions	Assess Pain Management Needs	Develop Pain Relief Solutions	Test Pain Management Devices	Incorporate Pain Specialist Feedback	Finalize Pain Management Device Specifications	Prepare Pain Management Devices For Trials	Launch Pain Management Solutions
Streamline Diagnostic Imaging	Enhance Imaging Technologies	Develop Diagnostic Imaging Prototypes	Test Imaging Devices	Gather Radiologist Feedback	Finalize Imaging Device Specifications	Prepare Imaging Devices For Trials	Launch Imaging Solutions
Facilitate Respiratory Health Support	Improve Respiratory Assessment	Design Respiratory Health Devices	Test Respiratory Devices	Gather Pulmonologist Feedback	Finalize Respiratory Device Specifications	Prepare Respiratory Devices For Trials	Launch Respiratory Health Solutions
Support Gastrointestinal Treatments	Develop Gastrointestinal Therapies	Design GI Treatment Devices	Test GI Devices	Incorporate GI Specialist Feedback	Finalize GI Device Specifications	Prepare GI Devices For Trials	Launch GI Treatment Solutions
Enable Urological Health Solutions	Innovate Urological Health Solutions	Create Urological Treatment Solutions	Test Urological Devices	Incorporate Urologist Feedback	Finalize Urological Device Specifications	Prepare Urological Devices For Trials	Launch Urological Health Solutions
Optimize Supply Chain Efficiency	Analyze Supply Chain Processes	Optimize Inventory Management	Implement Process Improvements	Gather Supplier Feedback	Streamline Logistics Processes	Implement Quality Controls	Launch Optimized Supply Chain

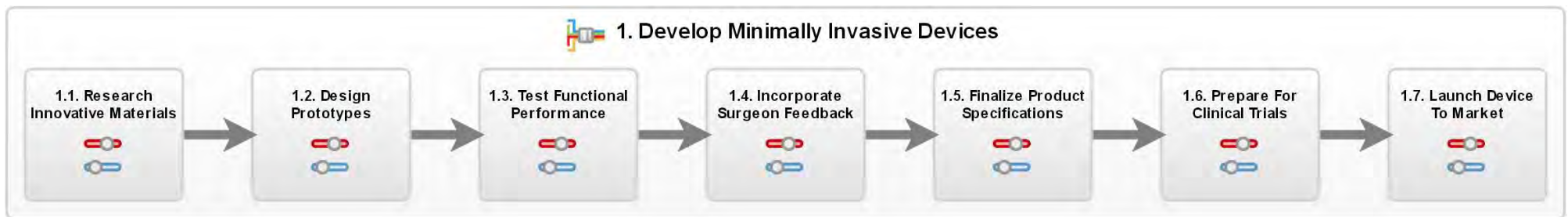
Note: Result from a prompt on ChatGPT made by Business Architecture Info.

Value Stages of the “Develop Minimally Invasive Devices” Value Stream Based on ChatGPT

Value Stage Name	Description
Research Innovative Materials	The action of researching innovative materials involves Boston Scientific exploring and identifying advanced materials that meet high standards of biocompatibility, durability, and functionality. This process ensures that the selected materials are safe and effective for minimally invasive medical devices. Boston Scientific prioritizes material quality and sustainability, evaluating new options to create devices that deliver reliable performance while minimizing environmental impact and meeting regulatory compliance.
Design Prototypes	The action of designing prototypes allows Boston Scientific to transform initial ideas into tangible models that closely resemble the final medical device. Boston Scientific’s design process focuses on accuracy, precision, and adherence to medical specifications to ensure each prototype meets clinical requirements. By iterating on these designs, Boston Scientific can refine device functionality, addressing any limitations and enhancing usability to meet surgeon and patient needs effectively.
Test Functional Performance	The action of testing functional performance enables Boston Scientific to rigorously evaluate the durability, safety, and reliability of minimally invasive devices under simulated clinical conditions. Boston Scientific’s testing protocols are comprehensive, ensuring devices function as intended and withstand the physical demands of medical procedures. Through extensive testing, Boston Scientific ensures that devices meet high standards, reducing the risk of failure and optimizing outcomes for patient health and safety.
Incorporate Surgeon Feedback	The action of incorporating surgeon feedback is vital for Boston Scientific to ensure that devices meet practical usability standards in real clinical environments. By engaging with surgeons, Boston Scientific gains insights into device handling, precision, and ergonomics, which are crucial for optimizing device performance. Boston Scientific values this feedback to refine designs and create solutions that are intuitive, safe, and effective for minimally invasive procedures.
Finalize Product Specifications	The action of finalizing product specifications allows Boston Scientific to lock in the technical, functional, and safety requirements necessary for production. This stage involves a thorough review to ensure all device components meet stringent standards. Boston Scientific works to define each specification clearly, guaranteeing that the final product aligns with regulatory expectations and meets the intended purpose for patient care, enhancing the device’s success in clinical settings.
Prepare For Clinical Trials	The action of preparing for clinical trials involves Boston Scientific ensuring that all devices are ready for patient testing under controlled conditions. Boston Scientific meticulously plans each trial phase to collect reliable data on device performance and safety. This preparation is crucial for obtaining regulatory approvals and demonstrating that the devices deliver the expected health benefits, providing valuable insights into the device’s real-world application and potential impact on patient care.
Launch Device To Market	The action of launching the device to market marks the culmination of Boston Scientific’s development process, making the minimally invasive device available to healthcare providers and patients. Boston Scientific’s launch strategy includes marketing, distribution, and post-market support to ensure successful adoption. This final stage represents Boston Scientific’s commitment to advancing medical technology, providing solutions that improve patient outcomes, and supporting healthcare professionals in delivering high-quality care.

Note: Result from a prompt on ChatGPT made by Business Architecture Info.

Boston Scientific – “Develop Minimally Invasive Devices” Value Stream Diagram Based on ChatGPT



Note: Result from a prompt on ChatGPT made by Business Architecture Info.

Boston Scientific – Participating Stakeholders of the “Develop Minimally Invasive Devices” Value Stream Diagram Based on ChatGPT



Material Scientists	Design Engineers	Testing Engineers	Surgeons	Product Managers	Clinical Trial Coordinators	Marketing Specialists
Product Engineers	Prototype Technicians	Regulatory Affairs Team	Clinical Operations Team	Regulatory Compliance Team	Patient Recruitment Officers	Distribution Managers
Sourcing Specialists	Quality Assurance Team	Clinical Safety Officers	Human Factors Specialists	Quality Control Engineers	Clinical Investigators	Customer Support Team
Compliance Officers	Risk Management Specialists	Mechanical Engineers	Medical Equipment Specialists	Packaging Specialists	Compliance Auditors	Sales Representatives
Environmental Experts	Cost Analysts	Failure Analysis Experts	Field Service Technicians	Lifecycle Managers	Data Analysts	Healthcare Liaisons
External Material Suppliers	External Design Consultants	External Testing Labs	External Medical Advisors	Risk Mitigation Team	Safety Reporting Team	Post-Market Surveillance Team

Note: Result from a prompt on ChatGPT made by Business Architecture Info.

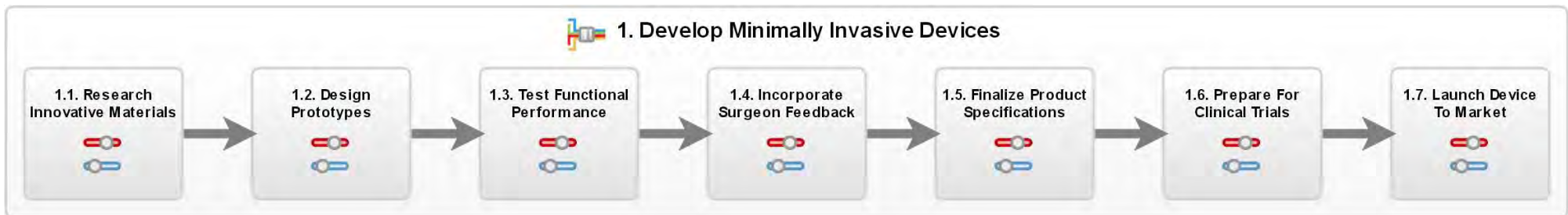
Boston Scientific – Enabling Business Capabilities of the “Develop Minimally Invasive Devices” Value Stream Diagram Based on ChatGPT



Material Research and Analysis	Prototype Design	Device Testing	Clinical Feedback Integration	Specification Documentation	Clinical Trial Design	Marketing Strategy Development
Supplier Evaluation	Functional Specification Development	Quality Assurance	Usability Testing	Regulatory Compliance Documentation	Patient Recruitment Strategy	Distribution Planning
Sustainability Assessment	Prototype Testing	Safety Protocol Development	Human Factors Analysis	Quality Standard Finalization	Data Collection and Analysis	Customer Support Setup
Cost Analysis	Risk Assessment	Durability Testing	Surgeon Collaboration	Production Requirement Definition	Investigator Training	Post-Market Surveillance
Regulatory Compliance Check	Cost Analysis for Prototyping	Risk Assessment	Device Modification	Packaging Standardization	Compliance Monitoring	Sales Training
Innovation Evaluation	External Collaboration for Design	External Testing Coordination	User Experience Enhancement	Product Lifecycle Planning	Safety Reporting Mechanisms	Healthcare Provider Outreach

Note: Result from a prompt on ChatGPT made by Business Architecture Info.

Boston Scientific – Required Information of the “Develop Minimally Invasive Devices” Value Stream Diagram Based on ChatGPT



				Regulatory Compliance Requirements		Market Demand Analysis
Material Composition	CAD Models	Bench Testing Data	Usability Feedback	Quality Assurance Metrics	Clinical Trial Design	Sales and Distribution Planning
Biocompatibility Studies	Functional Specifications	Device Durability Assessments	Handling and Manipulation	Performance Benchmarks	Patient Enrollment Criteria	Marketing Strategy
Cost Analysis	Design Constraints	Safety Protocols	Precision and Control	Packaging and Sterilization	Investigator Training	Healthcare Provider Training
Supplier Qualification	Risk Assessment	Mechanical Stress Analysis	Integration with Equipment	Lifecycle Management	Trial Monitoring Procedures	Customer Support Preparation
Environmental Impact Assessment	Prototype Cost Evaluation	Failure Modes	Real-World Scenarios	Risk Mitigation Strategies	Data Collection and Analysis	Post-Market Surveillance
Innovation Viability	Design Validation Requirements	Comparative Testing	Surgeon Experience Notes		Safety and Adverse Event Reporting	

Note: Result from a prompt on ChatGPT made by Business Architecture Info.

Agenda

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| 1- About Business Architecture | slide | 5 |
| 2- About Business Capabilities | slide | 13 |
| 3- Aligning Capabilities to Other Domains | slide | 20 |
| 4- Delivering Value Streams for SAFe® | slide | 48 |
| 5- Business Architecture Using Generative AI -
an Example at Boston Scientific | slide | 54 |
| 6- Current Limits of Generative AI | slide | 64 |

Current Limits of Generative AI

1. ChatGPT results tend to be less precise when relying solely on publicly available information.
2. Users must define the number of value stages, as a typical value stream usually consists of 4 to 8 stages.
3. The number of participating stakeholders in a value stream must also be specified by the user, as it can vary significantly from one value stream to another.
4. Similarly, the number of business capabilities enabling a value stream needs to be determined by the user, as this too can vary widely between value streams.
5. Users are required to set the number of required information types for each value stream, as this will also differ from one value stream to another.
6. Utilizing ChatGPT to identify participating stakeholders, enabling capabilities, and required information across multiple value streams may result in duplications with slightly different titles and descriptions.
7. ChatGPT does not currently provide parent-child relationships or rankings for enabling capabilities and required information.