ARCHITECTURE PACK

OntoRamp Hospital Exemplar — Four-Viewpoint Architecture Package

ArchiMate Architecture Deliverable — OntoRamp

SAMPLE — GENERATED FROM EXEMPLAR DATA, NOT A CLIENT ENGAGEMENT

DOCUMENT	Architecture Pack — ArchiMate deliverable
DOCUMENT ID	OR-AP-20261017-FBBLSY
MODEL	OntoRamp Hospital Exemplar — Four-Viewpoint Architecture Package
VERSION	1.0
OWNER	Confirmed at intake
CLASSIFICATION	Public sample
PREPARED BY	OntoRamp Governance Physics Engine
DATE	2026-10-17

4	353	317	6	28%
VIEWPOINTS	ELEMENTS	RELATIONSHIPS	LAYERS	MODEL COVERAGE

CONTENTS

1 Executive summary
2 Governance posture report
3 Transformation roadmap
4 Implementation brief
5 Architecture viewpoints
6 Methodology, scope and limitations

Sample document — synthetic data throughout. No client information is contained in this file.

1. Executive summary

The submitted model describes 353 elements and 317 relationships across 6 architecture layers (Application 125, Technology 79, Motivation 76, Business 49), drawn on 4 viewpoints.

Across the 5 structural dimensions this report measures, the model is 28% complete. Its strongest dimension is viewpoint documentation at 77%; its weakest is business enablement at 0%.

7 findings follow, 5 of them rated high. Each names the elements that produced it and carries the observable condition that closes it.

The transformation roadmap sequences the findings into 2 horizons; the implementation brief assigns each horizon an owner role, its required inputs, and its exit criteria.

MODEL COVERAGE POSTURE

28%
structural coverage across 5 dimensions

This posture reads the structural completeness of the architecture model itself — how far its business, application, technology, and motivation elements connect to one another. It is not a governance certification: a certified tier is issued only from a governance assessment.

FINDINGS AT A GLANCE

5	2	0
HIGH SEVERITY	MEDIUM SEVERITY	LOW SEVERITY

VIEWPOINTS IN THIS PACK

VIEWPOINT	ELEMENTS	RELATIONSHIPS
1. Current State View	129	93
2. Target State View	253	218
3. Network Topology View	69	45
4. Migration View	13	20

2. Governance posture report

Five structural dimensions are measured. Each counts the model elements of one kind that carry a qualifying relationship of another, and reports the proportion that do. The findings register that follows is the complement of these counts — every element the model left unconnected.

COVERAGE BY DIMENSION

DIMENSION	COVERED	RATE
Business enablement Is every modelled business process or service supported by a named application?	0 / 11	**0%**
Application deployment Does every application land on named technology?	18 / 79	**23%**
Governance reach Is every application and technology element bound to a goal, requirement, principle, or constraint?	31 / 204	**15%**
Motivation realization Does every goal, requirement, and principle reach something that implements it?	18 / 76	**24%**
Viewpoint documentation Does every model element appear on at least one viewpoint?	273 / 353	**77%**

LAYER PROFILE

LAYER	ELEMENTS	SHARE	RELATIONSHIPS
Application	125	35%	221
Technology	79	22%	83
Motivation	76	22%	53
Business	49	14%	44
Implementation & Migration	21	6%	28
Physical	3	1%	19

A relationship spanning two layers is counted once for each, so the relationship column describes participation per layer and deliberately does not sum to the model total.

2. Governance posture report

F-01 HIGH

Business activity with no application support modelled

11 of 11 business processes and services have no application element serving, realizing, or assigned to them. The model cannot show what runs the work.

EVIDENCE — 8 OF 11 SHOWN

Acuity-Based Staffing · Nurse Call Response & Triage · Shared Governance 5-Council Model · WF-01 Patient Admission & Registration · WF-02 Clinical Documentation & Orders · WF-03 Medication Management · WF-04 Surgical Scheduling & Execution · WF-05 Diagnostic Imaging & Reporting

RECOMMENDED ACTION

Model the application that carries each unsupported activity, or record it as deliberately manual.

F-02 HIGH

Application elements with no technology footing

61 of 79 application components and services have no technology node, device, service, or artifact behind them. Hosting, resilience, and data residency cannot be read from the model.

EVIDENCE — 8 OF 61 SHOWN

15 NDNQI Indicators · AI Model Governance: cloud architecture · AI Model Governance: enterprise architecture · AI Model Governance: magnet · AI Model Governance: network architecture · Analytics / Data Warehouse · BCDR / Backup & Restore · Building Management System (BMS)

RECOMMENDED ACTION

Attach each application to the node, service, or artifact that runs it.

F-03 HIGH

Estate outside the governance boundary

173 of 204 application and technology elements are bound to no goal, driver, requirement, principle, or constraint. Nothing in the model states what governs them.

EVIDENCE — 8 OF 173 SHOWN

10 Conventional ORs · 10 Future Expansion Positions · 10 Robotic-Capable ORs (10Gbps/suite) · AI Data Pipeline: cloud architecture · AI Data Pipeline: enterprise architecture · AI Data Pipeline: magnet · AI Data Pipeline: network architecture · AI Inference: 15 NDNQI Indicators

RECOMMENDED ACTION

Bind each element to the requirement, principle, or constraint that governs it — or record why none applies.

F-04 HIGH

Governance intent with no implementation path

58 of 76 motivation elements connect only to other motivation elements. The intent is stated, but the model does not show what carries it out.

EVIDENCE — 8 OF 58 SHOWN

'It Has to Work' — Zero-tolerance reliability · 45-min RTO · 99.999% Availability · 99.999%+ Surgical Availability · ANCC Magnet Recognition · BCDR 45-min RTO · Budget Governance · CTO / IT Director

RECOMMENDED ACTION

Trace each unrealized goal, requirement, or principle to the element that implements it.

F-06 HIGH

Elements with no relationships

139 of 353 elements carry no relationship in either direction. An element with no edges contributes nothing the model can be read from.

EVIDENCE — 8 OF 139 SHOWN

'It Has to Work' — Zero-tolerance reliability · 10 Conventional ORs · 10 Future Expansion Positions · 45-min RTO · 99.999% Availability · 99.999%+ Surgical Availability · ANCC Magnet Application · ANCC Magnet External

RECOMMENDED ACTION

Connect each isolated element to the estate, or remove it from the model.

F-05 MEDIUM

Model elements absent from every viewpoint

80 of 353 elements exist in the model but are drawn on no viewpoint. No reader of this document will see them.

EVIDENCE — 8 OF 80 SHOWN

10-Year Medical Record Retention · ANCC Magnet Application · Acuity-Based Staffing · Administrator · Attending Physician · BCDR 45-min RTO · CFO / Finance · Care Delivery Service

RECOMMENDED ACTION

Add the missing elements to an existing viewpoint or introduce the viewpoint that covers them.

F-07 MEDIUM

Data objects read or written under no stated constraint

11 of 21 data and business objects are accessed by at least one element while no requirement, principle, or constraint governs them.

EVIDENCE — 8 OF 11 SHOWN

Training Data: AI/Analytics Object Store · Training Data: Administrative NAS · Training Data: Clinical Order · Training Data: Clinical SAN (hot tier) · Training Data: DICOM Study · Training Data: Insurance Claim · Training Data: NDNQI Measure · Training Data: PACS Tiered (hot/warm/cold)

RECOMMENDED ACTION

Attach the residency, retention, or access constraint that applies to each object.

3. Transformation roadmap

The findings above, sequenced. Horizons are an order of work rather than a schedule: each removes a dependency the next relies on. Scope, format, and delivery timing are confirmed at intake.

Horizon 1 — Close the structural gaps

Repair the places where the model cannot answer a question a board or auditor will ask. These findings block the others: a roadmap built over an incomplete model inherits its blind spots.

REF	ACTION	EXIT CRITERION
F-01	Model the application that carries each unsupported activity, or record it as deliberately manual.	Every business process and service in the model resolves to a named application element or a recorded manual-by-design decision.
F-02	Attach each application to the node, service, or artifact that runs it.	Every application component and service resolves to at least one technology element.
F-03	Bind each element to the requirement, principle, or constraint that governs it — or record why none applies.	Every application and technology element carries at least one motivation relationship.
F-04	Trace each unrealized goal, requirement, or principle to the element that implements it.	Every motivation element reaches at least one business, application, or technology element.
F-06	Connect each isolated element to the estate, or remove it from the model.	No element in the model has a relationship degree of zero.

Horizon 2 — Bind the estate to its governance

Connect the systems that run to the intent that governs them, so that every control has a named subject and every subject a named control.

REF	ACTION	EXIT CRITERION
F-05	Add the missing elements to an existing viewpoint or introduce the viewpoint that covers them.	Every model element appears on at least one viewpoint.
F-07	Attach the residency, retention, or access constraint that applies to each object.	Every accessed data and business object carries at least one governing motivation element.

4. Implementation brief

One workstream per roadmap horizon: who owns it, what it needs before it can start, the order of work, and the observable condition that closes it. Owner roles are named as roles, not people — the recipient maps them onto their own organization.

Horizon 1 — Close the structural gaps

OWNER ROLE Governance & Risk Lead

Repair the places where the model cannot answer a question a board or auditor will ask. These findings block the others: a roadmap built over an incomplete model inherits its blind spots.

INPUTS REQUIRED

- The current ArchiMate model in its source form, with edit rights for the named owner.
- The system or process owners for the elements named in F-01, F-02, F-03, F-04, F-06.
- The governance artifacts — policies, standards, control statements — that the motivation elements should reference.

SEQUENCE

1. F-01 — Model the application that carries each unsupported activity, or record it as deliberately manual.
2. F-02 — Attach each application to the node, service, or artifact that runs it.
3. F-03 — Bind each element to the requirement, principle, or constraint that governs it — or record why none applies.
4. F-04 — Trace each unrealized goal, requirement, or principle to the element that implements it.
5. F-06 — Connect each isolated element to the estate, or remove it from the model.

EXIT CRITERIA

- Every business process and service in the model resolves to a named application element or a recorded manual-by-design decision.
- Every application component and service resolves to at least one technology element.
- Every application and technology element carries at least one motivation relationship.
- Every motivation element reaches at least one business, application, or technology element.
- No element in the model has a relationship degree of zero.

Horizon 2 — Bind the estate to its governance

OWNER ROLE Data Governance Lead

Connect the systems that run to the intent that governs them, so that every control has a named subject and every subject a named control.

INPUTS REQUIRED

- The current ArchiMate model in its source form, with edit rights for the named owner.
- The system or process owners for the elements named in F-05, F-07.
- The governance artifacts — policies, standards, control statements — that the motivation elements should reference.

SEQUENCE

1. F-05 — Add the missing elements to an existing viewpoint or introduce the viewpoint that covers them.
2. F-07 — Attach the residency, retention, or access constraint that applies to each object.

EXIT CRITERIA

- Every model element appears on at least one viewpoint.
- Every accessed data and business object carries at least one governing motivation element.

5. Architecture viewpoints

The viewpoints that follow use ArchiMate 3.2 notation. Element fill colour denotes the layer; line style and endpoint marker denote the relationship type.

LAYERS

- **Application** — 125 element(s) in this model.
- **Technology** — 79 element(s) in this model.
- **Motivation** — 76 element(s) in this model.
- **Business** — 49 element(s) in this model.
- **Implementation & Migration** — 21 element(s) in this model.
- **Physical** — 3 element(s) in this model.

RELATIONSHIPS IN THIS MODEL

Access — Dotted line, arrowhead toward what is accessed — read, write, or both.

Assignment — Solid line, ball at the source — the source is allocated to the target's behaviour.

Association — Plain line — a relationship the model does not further specify.

Composition — Solid line, filled diamond — the target is part of the source.

Flow — Dashed line, filled arrowhead — something is transferred from source to target.

Influence — Dashed line, open arrowhead — the source affects achievement of the target.

Realization — Dashed line, hollow triangle — the source realizes the more abstract target.

Serving — Solid line, open arrowhead — the source provides its functionality to the target.

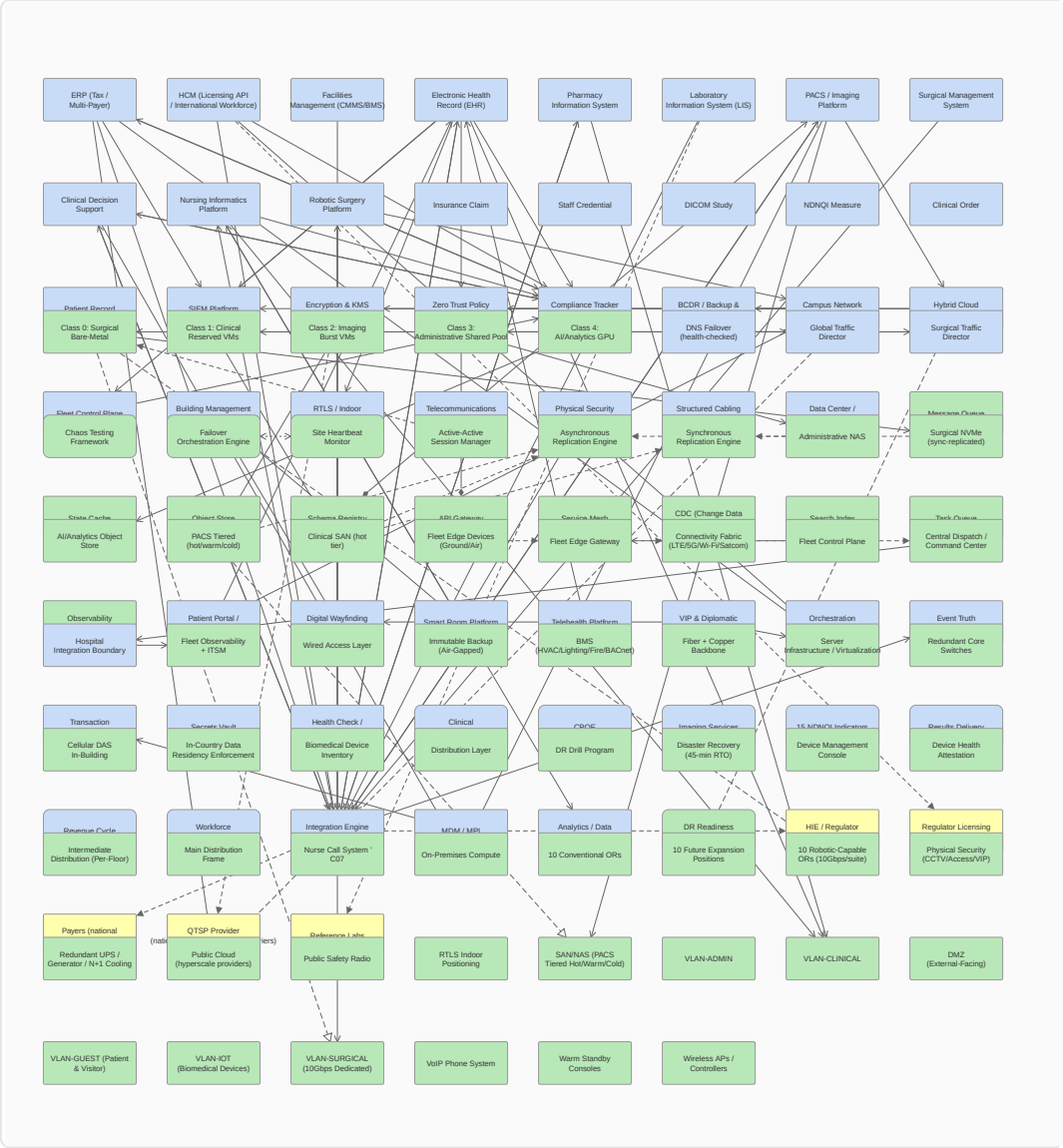
Triggering — Solid line, filled arrowhead — the source causes the target to start.

READING THE VIEWPOINT PAGES

Each viewpoint is presented across two pages: a landscape diagram scaled to the page, then its element and relationship tables. Every row in those tables corresponds to a shape or connector on the diagram.

5.1 Current State View

Viewpoint 1 of 4 — 129 elements, 93 relationships



5.1 Current State View

ELEMENTS (129) — FIRST 40 SHOWN

NAME	TYPE	LAYER
10 Conventional ORs	Node	Technology
10 Future Expansion Positions	Node	Technology
10 Robotic-Capable ORs (10Gbps/suite)	Node	Technology
15 NDNQI Indicators	Application Service	Application
Active-Active Session Manager	System Software	Technology
Administrative NAS	Artifact	Technology
AI/Analytics Object Store	Artifact	Technology
Analytics / Data Warehouse	Application Component	Application
API Gateway	System Software	Technology
Asynchronous Replication Engine	System Software	Technology
BCDR / Backup & Restore	Application Component	Application
Biomedical Device Inventory	Node	Technology
BMS (HVAC/Lighting/Fire/BACnet)	Node	Technology
Building Management System (BMS)	Application Component	Application
Campus Network Core/Dist/Access	Application Component	Application
CDC (Change Data Capture)	System Software	Technology
Cellular DAS In-Building	Node	Technology
Central Dispatch / Command Center	Node	Technology
Chaos Testing Framework	Technology Service	Technology
Class 0: Surgical Bare-Metal	Device	Technology
Class 1: Clinical Reserved VMs	Device	Technology
Class 2: Imaging Burst VMs	Device	Technology
Class 3: Administrative Shared Pool	Device	Technology
Class 4: AI/Analytics GPU	Device	Technology
Clinical Decision Support	Application Component	Application
Clinical Documentation	Application Service	Application
Clinical Order	Data Object	Application
Clinical SAN (hot tier)	Artifact	Technology
Compliance Tracker (25 COs)	Application Component	Application
Connectivity Fabric (LTE/5G/Wi-Fi/Satcom)	Communication Network	Technology

CPOE	Application Service	Application
Data Center / Server Room	Application Component	Application
Device Health Attestation	Node	Technology
Device Management Console	Node	Technology
DICOM Study	Data Object	Application
Digital Wayfinding (BLE+UWB)	Application Component	Application
Disaster Recovery (45-min RTO)	Node	Technology
Distribution Layer	Node	Technology
DMZ (External-Facing)	Communication Network	Technology
DNS Failover (health-checked)	Application Component	Application

89 further element(s) on this viewpoint are omitted from the printed table and are present in the JSON export.

RELATIONSHIPS (93) — FIRST 40 SHOWN

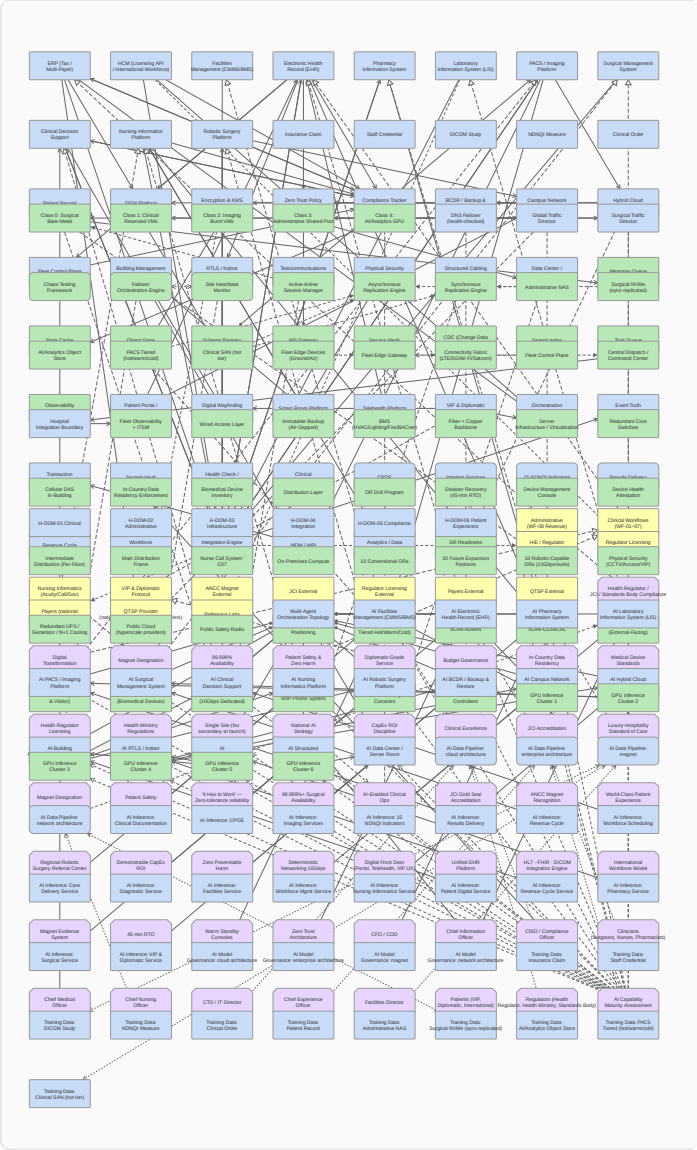
SOURCE	TYPE	TARGET
Active-Active Session Manager	Flow	Class 0: Surgical Bare-Metal
Administrative NAS	Flow	Asynchronous Replication Engine
API Gateway	Composition	Zero Trust Policy Engine
Campus Network Core/Dist/Access	Serving	SIEM Platform
Campus Network Core/Dist/Access	Serving	Zero Trust Policy Engine
Central Dispatch / Command Center	Serving	Hospital Integration Boundary
Class 0: Surgical Bare-Metal	Realization	10 Robotic-Capable ORs (10Gbps/suite)
Class 0: Surgical Bare-Metal	Serving	Surgical NVMe (sync-replicated)
Class 0: Surgical Bare-Metal	Realization	VLAN-SURGICAL (10Gbps Dedicated)
Class 1: Clinical Reserved VMs	Serving	Clinical SAN (hot tier)
Class 2: Imaging Burst VMs	Serving	PACS Tiered (hot/warm/cold)
Class 3: Administrative Shared Pool	Serving	Administrative NAS
Class 4: AI/Analytics GPU	Serving	AI/Analytics Object Store
Clinical Decision Support	Serving	Compliance Tracker (25 COs)
Clinical Decision Support	Serving	Integration Engine (ESB/iPaaS)
Clinical Decision Support	Serving	On-Premises Compute
Clinical SAN (hot tier)	Flow	Asynchronous Replication Engine
Clinical SAN (hot tier)	Flow	Synchronous Replication Engine
Compliance Tracker (25 COs)	Serving	Clinical Decision Support
Compliance Tracker (25 COs)	Serving	ERP (Tax / Multi-Payer)
Compliance Tracker (25 COs)	Serving	PACS / Imaging Platform
Connectivity Fabric (LTE/5G/Wi-Fi/Satcom)	Flow	Central Dispatch / Command Center

Digital Wayfinding (BLE+UWB)	Serving	Building Management System (BMS)
Digital Wayfinding (BLE+UWB)	Serving	RTLS / Indoor Positioning (BLE+UWB)
DNS Failover (health-checked)	Serving	Global Traffic Director
DR Readiness Dashboard	Realization	Hybrid Cloud Landing Zone
Electronic Health Record (EHR)	Serving	Compliance Tracker (25 COs)
Electronic Health Record (EHR)	Serving	Fleet Control Plane
Electronic Health Record (EHR)	Serving	Integration Engine (ESB/iPaaS)
Electronic Health Record (EHR)	Serving	RTLS / Indoor Positioning (BLE+UWB)
Electronic Health Record (EHR)	Serving	SIEM Platform
Electronic Health Record (EHR)	Serving	VLAN-CLINICAL
Electronic Health Record (EHR)	Serving	Zero Trust Policy Engine
Encryption & KMS (QTSP)	Flow	QTSP Provider (national digital ID / telecom carriers)
ERP (Tax / Multi-Payer)	Serving	Compliance Tracker (25 COs)
ERP (Tax / Multi-Payer)	Serving	Integration Engine (ESB/iPaaS)
ERP (Tax / Multi-Payer)	Serving	Public Cloud (hyperscale providers)
ERP (Tax / Multi-Payer)	Serving	Server Infrastructure / Virtualization
ERP (Tax / Multi-Payer)	Serving	SIEM Platform
Facilities Management (CMMS/BMS)	Serving	Integration Engine (ESB/iPaaS)

53 further relationship(s) on this viewpoint are omitted from the printed table and are present in the JSON export.

5.2 Target State View

Viewpoint 2 of 4 — 253 elements, 218 relationships



5.2 Target State View

ELEMENTS (253) — FIRST 40 SHOWN

NAME	TYPE	LAYER
'It Has to Work' — Zero-tolerance reliability	Driver	Motivation
10 Conventional ORs	Node	Technology
10 Future Expansion Positions	Node	Technology
10 Robotic-Capable ORs (10Gbps/suite)	Node	Technology
15 NDNQI Indicators	Application Service	Application
45-min RTO	Requirement	Motivation
99.999% Availability	Principle	Motivation
99.999%+ Surgical Availability	Goal	Motivation
Active-Active Session Manager	System Software	Technology
Administrative (WF-08 Revenue)	Business Object	Business
Administrative NAS	Artifact	Technology
AI BCDR / Backup & Restore	Application Component	Application
AI Building Management System (BMS)	Application Component	Application
AI Campus Network Core/Dist/Access	Application Component	Application
AI Capability Maturity Assessment	Value	Motivation
AI Clinical Decision Support	Application Component	Application
AI Data Center / Server Room	Application Component	Application
AI Data Pipeline: cloud architecture	Application Interaction	Application
AI Data Pipeline: enterprise architecture	Application Interaction	Application
AI Data Pipeline: magnet	Application Interaction	Application
AI Data Pipeline: network architecture	Application Interaction	Application
AI Electronic Health Record (EHR)	Application Component	Application
AI Facilities Management (CMMS/BMS)	Application Component	Application
AI Hybrid Cloud Landing Zone	Application Component	Application
AI Inference: 15 NDNQI Indicators	Application Interface	Application
AI Inference: Care Delivery Service	Application Interface	Application
AI Inference: Clinical Documentation	Application Interface	Application
AI Inference: CPOE	Application Interface	Application
AI Inference: Diagnostic Service	Application Interface	Application
AI Inference: Facilities Service	Application Interface	Application

AI Inference: Imaging Services	Application Interface	Application
AI Inference: Nursing Informatics Service	Application Interface	Application
AI Inference: Patient Digital Service	Application Interface	Application
AI Inference: Pharmacy Service	Application Interface	Application
AI Inference: Results Delivery	Application Interface	Application
AI Inference: Revenue Cycle	Application Interface	Application
AI Inference: Revenue Cycle Service	Application Interface	Application
AI Inference: Surgical Service	Application Interface	Application
AI Inference: VIP & Diplomatic Service	Application Interface	Application
AI Inference: Workforce Mgmt Service	Application Interface	Application

213 further element(s) on this viewpoint are omitted from the printed table and are present in the JSON export.

RELATIONSHIPS (218) — FIRST 40 SHOWN

SOURCE	TYPE	TARGET
Active-Active Session Manager	Flow	Class 0: Surgical Bare-Metal
Administrative (WF-08 Revenue)	Realization	ERP (Tax / Multi-Payer)
Administrative NAS	Flow	Asynchronous Replication Engine
AI BCDR / Backup & Restore	Realization	BCDR / Backup & Restore
AI Building Management System (BMS)	Realization	Building Management System (BMS)
AI Campus Network Core/Dist/Access	Realization	Campus Network Core/Dist/Access
AI Capability Maturity Assessment	Influence	AI BCDR / Backup & Restore
AI Capability Maturity Assessment	Influence	AI Building Management System (BMS)
AI Capability Maturity Assessment	Influence	AI Campus Network Core/Dist/Access
AI Capability Maturity Assessment	Influence	AI Clinical Decision Support
AI Capability Maturity Assessment	Influence	AI Data Center / Server Room
AI Capability Maturity Assessment	Influence	AI Electronic Health Record (EHR)
AI Capability Maturity Assessment	Influence	AI Facilities Management (CMMS/BMS)
AI Capability Maturity Assessment	Influence	AI Hybrid Cloud Landing Zone
AI Capability Maturity Assessment	Influence	AI Laboratory Information System (LIS)
AI Capability Maturity Assessment	Influence	AI Nursing Informatics Platform
AI Capability Maturity Assessment	Influence	AI PACS / Imaging Platform
AI Capability Maturity Assessment	Influence	AI Pharmacy Information System
AI Capability Maturity Assessment	Influence	AI Robotic Surgery Platform
AI Capability Maturity Assessment	Influence	AI RTLS / Indoor Positioning (BLE+UWB)
AI Capability Maturity Assessment	Influence	AI Structured Cabling Low-Voltage
AI Capability Maturity Assessment	Influence	AI Surgical Management System

AI Capability Maturity Assessment	Influence	AI Telecommunications VoIP/DAS
AI Capability Maturity Assessment	Influence	GPU Inference Cluster 1
AI Capability Maturity Assessment	Influence	GPU Inference Cluster 2
AI Capability Maturity Assessment	Influence	GPU Inference Cluster 3
AI Capability Maturity Assessment	Influence	GPU Inference Cluster 4
AI Capability Maturity Assessment	Influence	GPU Inference Cluster 5
AI Capability Maturity Assessment	Influence	GPU Inference Cluster 6
AI Clinical Decision Support	Realization	Clinical Decision Support
AI Data Center / Server Room	Realization	Data Center / Server Room
AI Data Pipeline: cloud architecture	Flow	AI Facilities Management (CMMS/BMS)
AI Data Pipeline: enterprise architecture	Flow	AI Electronic Health Record (EHR)
AI Data Pipeline: magnet	Flow	AI Pharmacy Information System
AI Data Pipeline: network architecture	Flow	AI Laboratory Information System (LIS)
AI Electronic Health Record (EHR)	Realization	Electronic Health Record (EHR)
AI Facilities Management (CMMS/BMS)	Realization	Facilities Management (CMMS/BMS)
AI Hybrid Cloud Landing Zone	Realization	Hybrid Cloud Landing Zone
AI Inference: 15 NDNQI Indicators	Serving	AI Laboratory Information System (LIS)
AI Inference: Care Delivery Service	Serving	AI Nursing Informatics Platform

178 further relationship(s) on this viewpoint are omitted from the printed table and are present in the JSON export.

5.3 Network Topology View

Viewpoint 3 of 4 — 69 elements, 45 relationships

5.3 Network Topology View

ELEMENTS (69) — FIRST 40 SHOWN

NAME	TYPE	LAYER
10 Conventional ORs	Node	Technology
10 Future Expansion Positions	Node	Technology
10 Robotic-Capable ORs (10Gbps/suite)	Node	Technology
Active-Active Session Manager	System Software	Technology
Administrative NAS	Artifact	Technology
AI/Analytics Object Store	Artifact	Technology
Asynchronous Replication Engine	System Software	Technology
Biomedical Device Inventory	Node	Technology
BMS (HVAC/Lighting/Fire/BACnet)	Node	Technology
Capital HA Site	Facility	Physical
Capital Metro Interconnect (100G)	Communication Network	Technology
Capital Primary DC	Facility	Physical
Capital”Coastal Interconnect (40G)	Communication Network	Technology
Cellular DAS In-Building	Node	Technology
Central Dispatch / Command Center	Node	Technology
Chaos Testing Framework	Technology Service	Technology
Class 0: Surgical Bare-Metal	Device	Technology
Class 1: Clinical Reserved VMs	Device	Technology
Class 2: Imaging Burst VMs	Device	Technology
Class 3: Administrative Shared Pool	Device	Technology
Class 4: AI/Analytics GPU	Device	Technology
Clinical SAN (hot tier)	Artifact	Technology
Cloud Private Interconnect / Private Peering	Communication Network	Technology
Coastal DR Site	Facility	Physical
Connectivity Fabric (LTE/5G/Wi-Fi/Satcom)	Communication Network	Technology
Device Health Attestation	Node	Technology
Device Management Console	Node	Technology
Disaster Recovery (45-min RTO)	Node	Technology
Distribution Layer	Node	Technology
DMZ (External-Facing)	Communication Network	Technology

DNS Failover (health-checked)	Application Component	Application
DR Drill Program	Node	Technology
Failover Orchestration Engine	Technology Service	Technology
Fiber + Copper Backbone	Node	Technology
Fleet Control Plane	Node	Technology
Fleet Edge Devices (Ground/Air)	Node	Technology
Fleet Edge Gateway	Node	Technology
Fleet Observability + ITSM	Node	Technology
Global Traffic Director	Application Component	Application
HA”Coastal Backup Path (10G)	Communication Network	Technology

29 further element(s) on this viewpoint are omitted from the printed table and are present in the JSON export.

RELATIONSHIPS (45) — FIRST 40 SHOWN

SOURCE	TYPE	TARGET
Active-Active Session Manager	Flow	Class 0: Surgical Bare-Metal
Administrative NAS	Flow	Asynchronous Replication Engine
Capital HA Site	Serving	Capital Metro Interconnect (100G)
Capital HA Site	Serving	Class 0: Surgical Bare-Metal
Capital HA Site	Serving	Class 1: Clinical Reserved VMs
Capital HA Site	Serving	HA”Coastal Backup Path (10G)
Capital Primary DC	Serving	Capital Metro Interconnect (100G)
Capital Primary DC	Serving	Capital”Coastal Interconnect (40G)
Capital Primary DC	Serving	Class 0: Surgical Bare-Metal
Capital Primary DC	Serving	Class 1: Clinical Reserved VMs
Capital Primary DC	Serving	Class 2: Imaging Burst VMs
Capital Primary DC	Serving	Class 3: Administrative Shared Pool
Capital Primary DC	Serving	Class 4: AI/Analytics GPU
Central Dispatch / Command Center	Serving	Hospital Integration Boundary
Class 0: Surgical Bare-Metal	Realization	10 Robotic-Capable ORs (10Gbps/suite)
Class 0: Surgical Bare-Metal	Serving	Surgical NVMe (sync-replicated)
Class 0: Surgical Bare-Metal	Realization	VLAN-SURGICAL (10Gbps Dedicated)
Class 1: Clinical Reserved VMs	Serving	Clinical SAN (hot tier)
Class 2: Imaging Burst VMs	Serving	PACS Tiered (hot/warm/cold)
Class 3: Administrative Shared Pool	Serving	Administrative NAS
Class 4: AI/Analytics GPU	Serving	AI/Analytics Object Store
Clinical SAN (hot tier)	Flow	Asynchronous Replication Engine

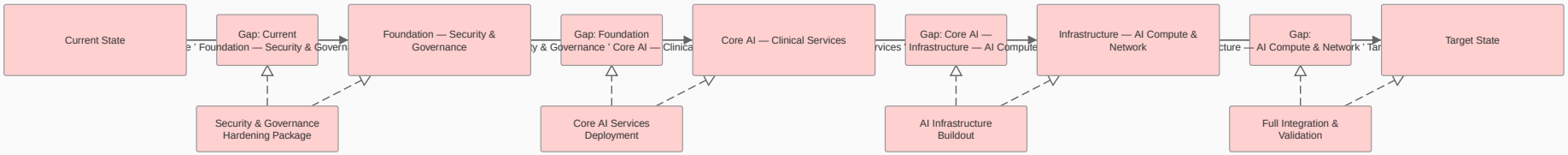
Clinical SAN (hot tier)	Flow	Synchronous Replication Engine
Cloud Private Interconnect / Private Peering	Realization	Public Cloud (hyperscale providers)
Coastal DR Site	Serving	Capital”Coastal Interconnect (40G)
Coastal DR Site	Serving	Class 1: Clinical Reserved VMs
Coastal DR Site	Serving	HA”Coastal Backup Path (10G)
Connectivity Fabric (LTE/5G/Wi-Fi/Satcom)	Flow	Central Dispatch / Command Center
DNS Failover (health-checked)	Serving	Global Traffic Director
Fleet Control Plane	Influence	Fleet Edge Gateway
Fleet Edge Devices (Ground/Air)	Flow	Fleet Edge Gateway
Fleet Edge Gateway	Flow	Connectivity Fabric (LTE/5G/Wi-Fi/Satcom)
Global Traffic Director	Serving	Class 1: Clinical Reserved VMs
Global Traffic Director	Serving	Class 3: Administrative Shared Pool
Global Traffic Director	Realization	Public Cloud (hyperscale providers)
Global Traffic Director	Serving	Surgical Traffic Director
Hospital Integration Boundary	Serving	Fleet Observability + ITSM
PACS Tiered (hot/warm/cold)	Flow	Asynchronous Replication Engine
PACS Tiered (hot/warm/cold)	Realization	SAN/NAS (PACS Tiered Hot/Warm/Cold)
Site Heartbeat Monitor	Access	Capital HA Site

5 further relationship(s) on this viewpoint are omitted from the printed table and are present in the JSON export.

5.4 Migration View

VIEWPOINT DIAGRAM

Viewpoint 4 of 4 — 13 elements, 20 relationships



5.4 Migration View

ELEMENTS (13)

NAME	TYPE	LAYER
AI Infrastructure Buildout	Deliverable	Implementation & Migration
Core AI — Clinical Services	Plateau	Implementation & Migration
Core AI Services Deployment	Deliverable	Implementation & Migration
Current State	Plateau	Implementation & Migration
Foundation — Security & Governance	Plateau	Implementation & Migration
Full Integration & Validation	Deliverable	Implementation & Migration
Gap: Core AI — Clinical Services ’ Infrastructure — AI Compute & Network	Gap	Implementation & Migration
Gap: Current State ’ Foundation — Security & Governance	Gap	Implementation & Migration
Gap: Foundation — Security & Governance ’ Core AI — Clinical Services	Gap	Implementation & Migration
Gap: Infrastructure — AI Compute & Network ’ Target State	Gap	Implementation & Migration
Infrastructure — AI Compute & Network	Plateau	Implementation & Migration
Security & Governance Hardening Package	Deliverable	Implementation & Migration
Target State	Plateau	Implementation & Migration

RELATIONSHIPS (20)

SOURCE	TYPE	TARGET
AI Infrastructure Buildout	Realization	Gap: Core AI — Clinical Services ’ Infrastructure — AI Compute & Network
AI Infrastructure Buildout	Realization	Infrastructure — AI Compute & Network
Core AI — Clinical Services	Triggering	Infrastructure — AI Compute & Network
Core AI Services Deployment	Realization	Core AI — Clinical Services
Core AI Services Deployment	Realization	Gap: Foundation — Security & Governance ’ Core AI — Clinical Services

Current State	Triggering	Foundation — Security & Governance
Foundation — Security & Governance	Triggering	Core AI — Clinical Services
Full Integration & Validation	Realization	Gap: Infrastructure — AI Compute & Network ’ Target State
Full Integration & Validation	Realization	Target State
Gap: Core AI — Clinical Services ’ Infrastructure — AI Compute & Network	Association	Core AI — Clinical Services
Gap: Core AI — Clinical Services ’ Infrastructure — AI Compute & Network	Association	Infrastructure — AI Compute & Network
Gap: Current State ’ Foundation — Security & Governance	Association	Current State
Gap: Current State ’ Foundation — Security & Governance	Association	Foundation — Security & Governance
Gap: Foundation — Security & Governance ’ Core AI — Clinical Services	Association	Core AI — Clinical Services
Gap: Foundation — Security & Governance ’ Core AI — Clinical Services	Association	Foundation — Security & Governance
Gap: Infrastructure — AI Compute & Network ’ Target State	Association	Infrastructure — AI Compute & Network
Gap: Infrastructure — AI Compute & Network ’ Target State	Association	Target State
Infrastructure — AI Compute & Network	Triggering	Target State
Security & Governance Hardening Package	Realization	Foundation — Security & Governance
Security & Governance Hardening Package	Realization	Gap: Current State ’ Foundation — Security & Governance

6. Methodology, scope and limitations

HOW THIS REPORT WAS PRODUCED

Every figure in this report is computed from the submitted ArchiMate model. Each coverage dimension counts the elements of one kind that carry a qualifying relationship of another kind, and reports the proportion that do. Findings are the complement of those counts, named to the elements that produced them, so any figure can be traced back to the model. No score is inferred from documents, interviews, or benchmarks, and no element is scored on quality — this report measures structure, not intent.

WHAT THE POSTURE BAND MEANS

This posture reads the structural completeness of the architecture model itself — how far its business, application, technology, and motivation elements connect to one another. It is not a governance certification: a certified tier is issued only from a governance assessment.

LIMITATIONS

- ! The report measures the model, not the estate. Systems absent from the submitted model are invisible to it, so coverage figures are upper bounds on what the model can evidence.
- ! Relationship semantics are taken as modelled. A Serving relationship is counted as support whether or not the supporting system is operational.
- ! Coverage is a structural proportion, not a risk score. A fully connected model can still describe an estate with material governance exposure.
- ! Findings name the elements that produced them. Where an element list is longer than the print cap, the report states the full count alongside the sample shown.

APPENDIX A — MODEL ELEMENTS ON NO VIEWPOINT (80)

These elements exist in the model, and are therefore counted in the cover totals, but appear on none of the viewpoints in section 5.

10-Year Medical Record Retention · ANCC Magnet Application · Acuity-Based Staffing · Administrator · Attending Physician · BCDR 45-min RTO · CFO / Finance · Care Delivery Service · Chief Nursing Officer · Clinical Protocol Compliance · Code Blue / Rapid Response · Device Health Attestation · Diagnostic Service · Discharge Initiated · EBP & Research / Shared Governance · Electronic Records Validity (Art 3–7) · Facilities Service · Facility Licensing · Facility Management (FMS) · Governance Leadership (GLD) · Health Information Manager · Health Regulator Portal · IAM / RBAC / Break-Glass · Implementation Event — Gap: Core AI — Clinical Services ’ Infrastructure — AI Compute & Network · Implementation Event — Gap: Current State ’ Foundation — Security & Governance · Implementation Event — Gap: Foundation — Security & Governance ’ Core AI — Clinical Services · Implementation Event — Gap: Infrastructure — AI Compute & Network ’ Target State · In-Country Data Residency (All PHI In-Country) · Incident Reporting · Infection Prevention (PCI) · Information Management (MOI) · JCI Survey Portal · Lab Technologist · Medication Management (MMU) · Micro-Segmentation · NDNQI Collection Trigger · NDNQI Outcomes (15 Indicators from C07) · Nurse Call Response & Triage · Nursing Informatics Service · Order Placed · PHI Encryption At-Rest & In-Transit · Patient / Family · Patient Arrival · Patient Digital Service · Patient Safety Goals (IPSG) · Pharmacist · Pharmacy Service · Practitioner Licensing · QTSP Digital Signatures (Art 16–25) · QTSP Provider (national digital ID / telecom carriers) · Radiologist · Registered Nurse · Regulator Licensing API · Result Available · Retention Architecture (Hot/Warm/Cold) · Revenue Cycle Service · SIEM Correlation & Threat Detection · Shared Governance 5-Council Model · Structural Empowerment · Surgeon · Surgical Service · Tamper-Evident Integrity (Art 26–29) · Transformational Leadership · VIP & Diplomatic Service · VIP Arrival · VIP Liaison · WF-01 Patient Admission & Registration · WF-02 Clinical Documentation & Orders · WF-03 Medication Management · WF-04 Surgical Scheduling & Execution · WF-05 Diagnostic Imaging & Reporting · WF-06 Lab Processing & Results · WF-07 Discharge & Transition · WF-08 Revenue Cycle & Billing · Work Package — AI Infrastructure Buildout · Work Package — Core AI Services Deployment · Work Package — Full Integration & Validation · Work Package — Security & Governance Hardening Package · Workforce Mgmt Service · mTLS Enforcement

Sample document — synthetic data throughout. No client information is contained in this file.