

INTEGRATIONS

What connects, and what has **actually been run.**

SYSTEM	ROLE	STATUS
Keycloak (Haven packaging)	Sign-in (OIDC code + PKCE), roles in the ID token	Run live on k3s: sign-in, session check and sign-out tested in Chrome
Envoy Gateway	TLS edge, session check, rate limits	Run live on k3s with a self-signed demo certificate; no real CA certificate yet
CloudNativePG	PostgreSQL on Kubernetes	Run live on k3s (PostgreSQL 17)
FluxVM	Deployment runtime and VM inventory	Run live: the stack ran in a FluxVM VM; inventory adapter run against a real instance. Token authentication not verified
Nuvora	Hospital-private AI model backend (OpenAI-compatible)	Wire contract checked against a real Nuvora process using its offline demo provider (model list and a chat round trip); a real language model through Nuvora is not verified
Netra	Network observability (read-only metadata)	Tested against a stand-in; not run against Netra
FHIR R4	Read-only API for Patient, Encounter, Observation, AllergyIntolerance, MedicationRequest, Appointment, \$everything	Covered by automated tests; no external consumer verified
HL7 v2, ASTM, webhooks	Hospital systems and laboratory analysers; outgoing events	End-to-end tests on written messages and a simulated instrument; no real analyser or hospital system connected
DICOM viewer	External viewer link from imaging	Link only; header registration tested, no PACS integrated

Only metadata, such as counts and health, ever flows toward infrastructure products; nothing patient-related does. The AI provider receives clinical text only after identifier removal. Gryvia, Fabric, Atlas and other Zyvor products are not integrated.