



REFERENCE	{{referenceId}}
STATUS	REVIEW READY
OWNER	{{documentOwner}}

Software Architecture Document

A maintainable architecture document describing context, containers, components, data, integrations, decisions, deployment, security, and risks.

TECHNICAL RELEASE · 4 August 2026



Document contents



Document convention	Value
Status	Review-ready
Owner	Mara Klein
Reference	NS-046-2026

0.1 Goals and constraints

Define business and technical goals, stakeholders, scope, quality attributes, constraints, assumptions, and architecture principles.

Document control	Detail
Owner	Mara Klein
Reference	NS-046-2026
Effective date	4 August 2026
Status	Ready for review

0.2 System context

Describe users, external systems, trust boundaries, responsibilities, dependencies, data exchanged, and ownership. **Review record:** Assign the owner, evidence, dependencies, decision date, and next action.

0.3 Containers and components

Explain deployable units, major components, responsibilities, interfaces, runtime relationships, and technology choices.

Requirement	Component	Verification	Status
Containers and components	Core boundary	Automated and review test	Specified
Failure path	Integration boundary	Negative test	In review



0.4 Data architecture

Document domains, ownership, models, stores, flows, consistency, retention, lineage, privacy, migration, and backup. **Review record:** Assign the owner, evidence, dependencies, decision date, and next action.

0.5 Integration architecture

Define APIs, messaging, events, contracts, sequencing, retries, idempotency, failure handling, and third-party risk. **Review record:** Assign the owner, evidence, dependencies, decision date, and next action.

0.6 Deployment and operations

Cover environments, infrastructure, topology, delivery, configuration, capacity, observability, recovery, and support. **Review record:** Assign the owner, evidence, dependencies, decision date, and next action.

0.7 Security architecture

Describe identities, authorization, secrets, encryption, segmentation, threats, controls, logging, assurance, and residual risk. **Review record:** Assign the owner, evidence, dependencies, decision date, and next action.

0.8 Decisions and evolution

Maintain architecture decisions, alternatives, consequences, technical debt, transition states, roadmap, and review triggers. **Review record:** Assign the owner, evidence, dependencies, decision date, and next action.