



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



Contents

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.

Illustrative contract	Value
reference	NS-046-2026
status	review-ready



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.

Illustrative contract	Value
reference	NS-046-2026
status	review-ready

0.5 Integration architecture

Define APIs, messaging, events, contracts, sequencing, retries, idempotency, failure handling, and third-party risk.

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

0.6 Deployment and operations

Cover environments, infrastructure, topology, delivery, configuration, capacity, observability, recovery, and support.

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reference	NS-046-2026
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0.7 Security architecture



Describe identities, authorization, secrets, encryption, segmentation, threats, controls, logging, assurance, and residual risk.

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

0.8 Decisions and evolution

Maintain architecture decisions, alternatives, consequences, technical debt, transition states, roadmap, and review triggers.

Illustrative contract	Value
reference	NS-046-2026
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