

Interface Boundaries

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Field	Value
Distribution	WCT English — OpenC5ISR
Product	OpenC5ISR
Release	0.15.1
Deployment	openc5isr-en.wallacecorptech.com
Source	/srv/wct/releases/OpenC5ISR-v0.15.0
Evidence	Reference architecture
Source fingerprint	63d2b1097707e25d666401cdc6362e395968600a40a08690210cd8c0b75fbf50
Status	Generated baseline — human review required

“ **Verification boundary:** This page combines platform design guidance with static evidence from the release. It does not prove that every detected interface is enabled, reachable, secure, or operational in the deployed environment.

Interface selection

Need	Preferred mechanism	Reason
Manage/query a resource	REST/HTTP	Clear request/response semantics, authorization and idempotency.
Publish asynchronous operational state	OpenBus	Decouples producer and consumers and supports event-driven automation.
Interactive browser/device stream	WebSocket/WebRTC	Low-latency bidirectional session or media delivery.

Need	Preferred mechanism	Reason
Large artifact/evidence	OpenFiles/object storage	Avoids overloading messages while preserving metadata and access control.
Semantic query/constraint	SPARQL/RDF/SHACL	Queries meaning and relationships independently of application schemas.
High-rate radio/sensor samples	Local/edge stream plus derived products	Keeps raw bandwidth near processing and shares actionable results.

Boundary rule

Every integration should define ownership, schema, semantic type, authentication, authorization, time basis, error behavior, retry/idempotency, rate/size limits, retention and observability. A working URL alone is not an integration contract.

Maintainer Notes

Add human-reviewed deployment notes, corrections, decisions, screenshots, and links here. Content outside the generated block is preserved on future runs.

Revision #1
Created 2026-08-28 15:04:25 UTC by Nexus Ops Administrator
Updated 2026-08-28 15:04:25 UTC by Nexus Ops Administrator