

Application Interfaces

Managed documentation for Application Interfaces.

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Integration Overview

Integration Overview

Field	Value
Distribution	BSS — OpenC5ISR
Product	OpenC5ISR
Release	0.15.1
Deployment	openc5isr.bss.dev
Source	/srv/bss/releases/OpenC5ISR-v0.15.0-20app
Evidence	Reference contract and scan summary
Source fingerprint	93926e8c834f1ed79c9017a4096f70c76d73ce4f870f104fbd0cf54b2bed50ee
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.

Integration contract checklist

Contract area	Required definition
Ownership	Producer, consumer, responsible team and change authority.
Addressing	Base URL/topic/path, environment and discovery mechanism.
Identity & policy	Authentication, authorization, releasability and tenant/edition boundary.
Data contract	Schema, semantic type, units, coordinate/time reference, identifiers and optionality.

Contract area	Required definition
Behavior	Methods/events, ordering, idempotency, retries, timeout, backpressure and error model.
Scale	Rate, size, concurrency, retention and latency targets.
Observability	Correlation IDs, metrics, logs, audit and health indication.
Lifecycle	Versioning, compatibility, deprecation, migration and test ownership.

Observed interface summary

Interface type	Candidates
REST/HTTP	11
WebSocket	8
Environment variables	244
Ports	102
External URLs	1000
Semantic files	22

Maintainer Notes

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

REST Endpoints

REST Endpoints

Field	Value
Distribution	BSS — OpenC5ISR
Product	OpenC5ISR
Release	0.15.1
Deployment	openc5isr.bss.dev
Source	/srv/bss/releases/OpenC5ISR-v0.15.0-20app
Evidence	Static route extraction
Source fingerprint	93926e8c834f1ed79c9017a4096f70c76d73ce4f870f104fbd0cf54b2bed50ee
Status	Generated baseline — human review required

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Candidate endpoints

Method	Path	Framework/evidence	Confidence	Source
GET	api_path	express	server declaration	drivers/openanalytics_agent.py
GET	base_url	express	server declaration	drivers/openanalytics_agent.py
GET	http://127.0.0.1:18782/api/integrations	client-reference	client reference	tests/compiled_deployment_smoke_test.py
GET	id	express	server declaration	drivers/openanalytics_agent.py

Method	Path	Framework/evidence	Confidence	Source
GET	lab_path	express	server declaration	drivers/openanalytics_agent.py
GET	location	express	server declaration	drivers/openanalytics_agent.py
GET	max_notebooks	express	server declaration	drivers/openanalytics_agent.py
GET	name	express	server declaration	drivers/openanalytics_agent.py
GET	owner	express	server declaration	drivers/openanalytics_agent.py
GET	token	express	server declaration	drivers/openanalytics_agent.py
GET	token_env	express	server declaration	drivers/openanalytics_agent.py

Interpretation

“Server declaration” is stronger evidence than a client reference, but neither proves the route is mounted at the shown base path or exposed in this edition. Routers may add prefixes dynamically; middleware may block access; and feature flags may disable handlers.

Endpoint documentation template

```

METHOD /base/path
Purpose:
Authentication/authorization:
Request headers/path/query/body schema:
Semantic type and units:
Success response:
Error responses:
Idempotency/retry behavior:
Rate/size/timeout limits:
Audit/correlation behavior:
Example request and tested release:

```

Acceptance rule

Promote a candidate endpoint to an authoritative API only after an authenticated test verifies status, schema, policy, failure behavior and the public/base-path mapping.

Maintainer Notes

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WebSocket Interfaces

WebSocket Interfaces

Field	Value
Distribution	BSS — OpenC5ISR
Product	OpenC5ISR
Release	0.15.1
Deployment	openc5isr.bss.dev
Source	/srv/bss/releases/OpenC5ISR-v0.15.0-20app
Evidence	Static WebSocket extraction
Source fingerprint	93926e8c834f1ed79c9017a4096f70c76d73ce4f870f104fbd0cf54b2bed50ee
Status	Generated baseline — human review required

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Candidate endpoints

Endpoint	Evidence	Source
[invalid URL]	url	tests/raspbots_agent_smoke_test.py
wss://.../	url	OPENLVC-DEMO.md
wss://relay.example/	url	tests/openeyes_smoke_test.py
wss://relay.example/ws/raspbots	url	open-eyes/index.html
wss://relay.example/ws/raspbots	url	public/open-eyes/index.html
wss://relay.example/ws/raspbots	url	tests/openeyes_smoke_test.py

Endpoint	Evidence	Source
wss://your-relay/ws/raspbot	url	README-OPENEYES.md
wss://your-relay/ws/raspbot	url	drivers/raspbot-openeyes.env.example

Required session contract

- URL/base path and whether TLS (wss) is mandatory.
- Authentication handshake, role/asset authorization and reconnect token behavior.
- Message envelope, schema/version, ordering, sequence numbers and timestamps.
- Heartbeat, idle timeout, reconnect/backoff and resume behavior.
- Maximum message/rate, binary/media framing and backpressure/drop policy.
- Nginx upgrade headers, proxy timeout and public-to-backend mapping.

Browser verification

Open developer tools → Network → WS

Confirm HTTP 101 upgrade, authenticated session, expected message flow, heartbeat/reconnect behavior, and no credential leakage in URL/query strings.

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Data Formats and Contracts

Data Formats and Contracts

Field	Value
Distribution	BSS — OpenC5ISR
Product	OpenC5ISR
Release	0.15.1
Deployment	openc5isr.bss.dev
Source	/srv/bss/releases/OpenC5ISR-v0.15.0-20app
Evidence	File-format inventory and integration standard
Source fingerprint	93926e8c834f1ed79c9017a4096f70c76d73ce4f870f104fbd0cf54b2bed50ee
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Observed format indicators

Extension/format	Files
.json	78
.csv	21
.ttl	17
.xml	7
.rdf	4

Canonical data requirements

- Stable identifiers for entities, observations, tasks, products and events.
- Explicit units, coordinate reference, timestamps/time scale and uncertainty.
- Schema/semantic version and compatibility behavior.
- Source/provenance, confidence and processing lineage.
- Handling/releasability/retention metadata and object-level access controls.
- A compact event form plus artifact reference for large imagery, video or datasets.

Versioning rule

Prefer backward-compatible additive changes. Breaking changes require a new schema/semantic version, a transition period or adapter, explicit migration tests and release notes identifying affected producers and consumers.

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