OpenBus

OpenBus

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	Catalog architecture plus release evidence
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.

Role

OpenBus is the event and message fabric that decouples producers from consumers. A sensor, application or analytic publishes an operational event once; authorized subscribers can consume, enrich, correlate, persist or act on it without forcing a direct integration with every producer.

Recommended event envelope

Field	Purpose

id	Globally unique event identifier.
type	Semantic event/entity type, preferably linked to OpenKnowledge.
source	Producer identity and originating sensor/application.
time	Observation, creation and receipt times with clock-quality metadata.
correlation	Mission, track, task, case, release group or workflow context.
provenance	Processing lineage, transformations and custody.
payload	Domain data or reference to a larger product in OpenFiles/OpenData.
policy	Handling, releasability, retention and access controls.

Integration rule

Use OpenBus for asynchronous operational state and workflow events; use REST for request/response management operations; use WebSockets for low-latency browser or device sessions; use OpenFiles for larger artifacts. Avoid turning the bus into an untyped dump of arbitrary JSON.

Release evidence

Status	Score	Evidence items
detected	105	12

Evidence type	Source	Match
path	`OPENBUS.md`	`openbus`
path	`drivers/openbus_agent.py`	`openbus`
path	`edge/openlvc/rti_openbus_gateway.py`	`openbus`
path	`examples/opencybersec/openbus-security-event.json`	`openbus`
path	`lib/open-networks/openbus.js`	`openbus`
content	`API.md`	`openbus`
content	`CHANGELOG.md`	`openbus`
content	`DEPLOY-GODADDY.md`	`openbus`

Evidence type	Source	Match
content	`MERGE-v0.13.1.md`	`openbus`
content	`OPENBUS.md`	`openbus`
path	`open-bus/app.js`	`open-bus`
path	`open-bus/index.html`	`open-bus`

Maintainer Notes

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

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