Platform

Managed documentation for Platform.

- Platform Overview
- Operational Workflow
- Capability Map

Platform Overview

Platform Overview

Field	Value
Distribution	BSS — OpenSOF
Product	OpenSOF
Release	0.15.1
Deployment	`opensof.bss.dev`
Source	`/srv/bss/releases/OpenSOF-v0.15.0-20app`
Evidence	Static release scan
Source fingerprint	`cda583b42f2a0d296b268ab5b174932a378c8be6fb52ffa1af14af896e990f6e`
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.

Mission

OpenSOF is an open, modular operational technology platform intended to connect sensing, data, semantic knowledge, collaboration, command-and-control, analytics, automation and effects without forcing every capability into one monolithic application.

Core design idea

The platform treats meaning, time, source, identity and correlation as first-class operational context. OpenBus provides exchange; OpenKnowledge provides shared meaning; domain modules

can then collect, exploit, associate, share, collaborate, task and preserve information through common patterns.

Release evidence summary

Measure	Observed
Files inventoried	1383
Text files inspected	1004
Detected components	23
REST/interface candidates	11
WebSocket candidates	8
Environment variables	244
Languages	PHP, JavaScript, Python, C, Shell, C++
Framework indicators	—

Operational value

- Integrate heterogeneous sensors, services and user workflows through explicit interfaces instead of one-off stovepipes.
- Use semantic types and relationships to guide analytics, automation and AI instead of relying only on unconstrained language-model inference.
- Process data at the edge and exchange the operational result, reducing bandwidth and decision latency.
- Keep components independently deployable so a customer can adopt the capabilities it needs and integrate them with existing systems.

Maintainer Notes

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

Operational Workflow

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Reference workflow

Step	Action	Outcome
1	Collect	Acquire observations, messages, tracks, files, imagery, video, spectrum and telemetry.
2	Exploit	Extract useful features, metadata and operational signals at the source or edge.
3	Associate	Relate observations to entities, locations, missions, cases, tasks and prior evidence.

Step	Action	Outcome
4	Share	Publish governed information through OpenBus, APIs, files and collaboration services.
5	Collaborate	Build shared understanding through COP, chat, annotations, knowledge and reviews.
6	Task	Convert understanding into assigned, acknowledged, executing and completed work.
7	Preserve	Retain evidence, provenance, decisions and replayable operational history.

Why this matters

The workflow is deliberately cross-application. A sensor product should not terminate at a viewer; it should be associable with a track, shareable with a release group, usable as evidence, able to trigger analytics, and convertible into a task. The platform is strongest when these transitions are explicit and auditable.

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Capability Map

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Capability families

Family	Components and scan status
Foundation & Data	OpenBus (detected), OpenKnowledge (detected), OpenData (detected), OpenPNT (detected), OpenFiles (detected)
Command, Control & Collaboration	OpenCOP (detected), OpenTrack (detected), OpenTask (detected), OpenChat (detected), OpenEyes (detected), OpenMail (detected)
Sensors & Spectrum	OpenRF (detected), OpenSSA (detected), OpenISAC (detected)

Family	Components and scan status
Analytics & AI	OpenAnalytics (detected), OpenLLM (detected), OpenDAA (detected)
Networks & Simulation	OpenNetworks (detected), OpenLVC (detected), OpenAAR-MR (detected)
Investigation & Security	OpenIIA (detected), OpenCyberSec (detected), AEGIS-SENTINEL (detected)

Interpretation

“Detected” means the scanner found release-file evidence using names, paths or content. “Not detected” does not prove absence: a capability may be external, injected at deployment time, renamed, generated, or inaccessible to the scan. Component pages therefore distinguish catalog intent from release evidence.

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