Architecture Overview

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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.

Layered model

Layer	Representative capabilities	Responsibility
Experience	OpenCOP, OpenEyes, OpenTask, OpenChat, OpenIIA	Operator views, collaboration, investigation and tasking.
Domain services	OpenTrack, OpenRF, OpenSSA, OpenLVC, OpenAnalytics	Mission functions, sensor exploitation, simulation and analysis.
Knowledge & automation	OpenKnowledge, OpenLLM, OpenDAA	Semantic types, queries, models, pipelines and decisions.

Layer	Representative capabilities	Responsibility
Exchange & data	OpenBus, OpenData, OpenFiles, OpenMail	Events, APIs, storage, artifacts and governed dissemination.
Edge & infrastructure	OpenPNT, OpenNetworks, sensors, SDRs, robots, UAS	Time, position, transport, compute and physical interfaces.

Architectural principles

- Modular deployment: components can be deployed, replaced and integrated independently.
- Explicit contracts: APIs, messages, semantic types, time and provenance should be defined rather than implied.
- Edge-first exploitation: process raw streams near the source when practical, then exchange compact operational products.
- Human-machine teaming: automation proposes, correlates and acts through governed workflows with visible status and audit.
- Open integration: customers can combine platform modules with existing C5ISR, analytic, collaboration and enterprise systems.

Observed implementation indicators

Indicator	Observed
Languages	PHP, JavaScript, Python, C, Shell, C++
Frameworks	—
Container definitions	0
Service definitions	9
Nginx configurations	0

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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