

Planning & Prerequisites

Managed documentation for Planning & Prerequisites.

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System Requirements

System Requirements

Field	Value
Distribution	BSS — OpenSOF
Product	OpenSOF
Release	0.15.1
Deployment	<code>opensof.bss.dev</code>
Source	<code>/srv/bss/releases/OpenSOF-v0.15.0-20app</code>
Evidence	Runtime manifests and file inventory
Source fingerprint	<code>cda583b42f2a0d296b268ab5b174932a378c8be6fb52ffa1af14af896e990f6e</code>
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.

Observed runtime profile

Property	Observed
Languages by source-file count	PHP: 165, JavaScript: 150, Python: 74, C: 63, Shell: 34, C++: 1
Framework indicators	—
Containerized	False
Node projects	2
Python requirement sets	0

Manifest evidence

Manifest	Project	Version	Runtime/base	Dependencies
package.json	opensof-integrated-suite	0.15.1	node	0
edge/openssa-sensor/package.json	openssa-mission-spectrum-console	0.5.0	node	0

Baseline host requirements

- A supported Linux host with accurate time synchronization and administrative access for service/proxy changes.
- The runtimes and package managers evidenced above, or an OCI container engine when container definitions are authoritative.
- Sufficient CPU, memory, disk and network for enabled modules; sensor/radio/AI workloads require separate capacity sizing.
- DNS and TLS certificates for public hostnames, plus firewall policy for public, management, backend and sensor interfaces.
- A backup destination outside the active release and tested access to required databases/artifact stores.

Maintainer Notes

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

Deployment Architecture

Deployment Architecture

Field	Value
Distribution	BSS — OpenSOF
Product	OpenSOF
Release	0.15.1
Deployment	<code>opensof.bss.dev</code>
Source	<code>/srv/bss/releases/OpenSOF-v0.15.0-20app</code>
Evidence	Release layout and container evidence
Source fingerprint	<code>cda583b42f2a0d296b268ab5b174932a378c8be6fb52ffa1af14af896e990f6e</code>
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.

Release layout

Property	Observed
Release path	<code>/srv/bss/releases/OpenSOF-v0.15.0-20app</code>
Version	0.15.1

Property	Observed
Top-level entries	third_party : 870 edge : 100 public : 68 openrf : 36 lib : 32 drivers : 27 tests : 24 examples : 20 ontology : 17 data : 14 .opennetworks-backup-20260827T210646Z : 13 open-daa : 12 modules : 9 scenarios : 9 integrations : 8 open-lvc : 5 common : 4 open-rf : 4 open-ssa : 4 templates : 4 models : 3 open-aar-mr : 3 open-bus : 3 open-cop : 3 open-cybersec : 3 open-eyes : 3 open-iaa : 3 open-knowledge : 3 open-pnt : 3 open-chat : 2 open-task : 2 open-track : 2 rocketchat : 2 standards : 2 tools : 2 API.md : 1 CHANGELOG.md : 1 DEPLOY-GODADDY.md : 1 EXTERNAL-SERVICES.md : 1 FIX-v0.15.1.md : 1
Source fingerprint	cda583b42f2a0d296b268ab5b174932a378c8be6fb52ffa1af14af896e990f6e

Container/service topology candidates

No Compose service was extracted; use the systemd and Nginx pages for other deployment evidence.

Recommended release pattern

<code>/srv/<owner>/releases/<product>-vX.Y.Z/</code>	immutable extracted release
<code>/srv/<owner>/instances/<edition>/current</code>	symlink to active release
<code>/etc/<product>/<edition>/</code>	protected configuration and secrets
<code>/var/lib/<product>/<edition>/</code>	persistent state
<code>/var/log/<product>/<edition>/</code>	logs, when not solely in journald

Keep code/release artifacts immutable, configuration outside the release, persistent data outside the release, and activation as an atomic symlink/service switch. This makes rollback possible without reconstructing the prior state.

Maintainer Notes

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