

Monitoring & Assurance

Managed documentation for Monitoring & Assurance.

- [Health Checks](#)
- [Logs and Audit](#)
- [Operational Checklist](#)

Health Checks

Health Checks

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	Route scan and operational health model
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.

Candidate health endpoints

No route name strongly associated with health/readiness was detected.

Layered health model

Layer	Check	Good result
Process	<code>systemctl is-active</code> / container state	Active without restart loop.

Layer	Check	Good result
Socket	<code>ss -lntup</code>	Expected address/port owned by expected process.
Local HTTP/API	<code>curl</code> loopback endpoint	Expected status/body within threshold.
Proxy/TLS	<code>curl</code> public hostname	Valid certificate, correct routing and headers.
Dependency	Database/bus/files/knowledge checks	Authenticated dependency response and acceptable latency.
Workflow	Primary user transaction	End-to-end result is visible, correlated and retained.

Health endpoint requirements

A liveness endpoint should prove the process can respond; readiness should prove required dependencies and configuration are usable. Do not expose secrets, stack traces or sensitive topology in public health output.

Maintainer Notes

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

Logs and Audit

Logs and Audit

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	Operational logging standard
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.

Log sources

Source	Typical command/location	Use
systemd/journald	<code>journalctl -u <unit> --since ...</code>	Process lifecycle, stdout/stderr and service errors.
Nginx	<code>/var/log/nginx/access.log</code> , <code>/var/log/nginx/error.log</code>	Routing, status, latency, upstream and TLS symptoms.
Application	Structured logs or configured log directory	Domain events, validation, dependency calls and workflow state.
Audit	Protected append/central audit store	Actor, action, target, policy decision, result and correlation.

Source	Typical command/location	Use
Sensor/edge	Device/agent logs and telemetry	Connection, clock, calibration, sample loss and product generation.

Required structured fields

- UTC timestamp plus source clock/host.
- Severity, service/component, release version and instance.
- Request/event/task/track/case correlation identifier.
- Authenticated actor or service identity when applicable.
- Outcome/error code and safe diagnostic context.

Do not log

- Passwords, API token secrets, private keys, complete authorization headers or session cookies.
- Sensitive content unless the approved audit/evidence policy explicitly requires and protects it.
- Unbounded raw sensor/media streams in ordinary application logs.

Maintainer Notes

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

Operational Checklist

Operational Checklist

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	Operational standard
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.

Daily/shift-start checks

- ☐ System time synchronized and no large clock offset alerts.
- ☐ Required services active without restart loops.
- ☐ Disk, memory, CPU and network within operating limits.
- ☐ Public hostnames and local health endpoints respond correctly.
- ☐ OpenBus/data/knowledge/files dependencies reachable.
- ☐ Representative sensor/track/task workflow completes.
- ☐ Backups completed and no unresolved critical security/audit alerts.

After any change

- ☐ Configuration syntax validated.
- ☐ Only intended service/process changed.
- ☐ Local, proxy and end-to-end tests passed.
- ☐ Logs reviewed for new warnings/errors.
- ☐ Version/change record and rollback state updated.

Handover record

Record active release, known degradations, temporary workarounds, open incidents, pending changes, sensor availability, external dependency state and the next required action. Operational continuity should not depend on oral memory.

Maintainer Notes

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