

# Networks & Simulation

Component purpose, interfaces, evidence and verification.

- [OpenNetworks](#)
- [OpenLVC](#)
- [OpenAAR-MR](#)

# OpenNetworks

# OpenNetworks

| 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           | Catalog intent plus component-scoped static 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.

## Purpose

The deployed-network modeling and management module for creating, configuring and operating virtual and physical network devices and topologies.

## Operational value

Gives units a practical way to design, rehearse, deploy and troubleshoot network services from the same operational toolkit.

# Differentiators

Network objects can be treated as operational entities, tied to missions, health, tasks, simulation and automated configuration.

## Platform connections

- OpenLVC
- OpenTask
- OpenCyberSec
- OpenCOP

## Release detection

| Status   | Score | Evidence items |
|----------|-------|----------------|
| detected | 135   | 12             |

| Evidence type | Source                                                                                | Match                     |
|---------------|---------------------------------------------------------------------------------------|---------------------------|
| path          | <code>.opennetworks-backup-20260827T210646Z/ontology/README.md</code>                 | <code>opennetworks</code> |
| path          | <code>.opennetworks-backup-20260827T210646Z/ontology/openaar-mr.ttl</code>            | <code>opennetworks</code> |
| path          | <code>.opennetworks-backup-20260827T210646Z/ontology/opencybersec.ttl</code>          | <code>opennetworks</code> |
| path          | <code>.opennetworks-backup-20260827T210646Z/ontology/opendaa-openanalytics.ttl</code> | <code>opennetworks</code> |
| path          | <code>.opennetworks-backup-20260827T210646Z/ontology/opendaa-opendata.ttl</code>      | <code>opennetworks</code> |
| content       | <code>server.js</code>                                                                | <code>opennetworks</code> |
| content       | <code>lib/open-networks/agent-client.js</code>                                        | <code>opennetworks</code> |
| content       | <code>lib/open-networks/compiler.js</code>                                            | <code>opennetworks</code> |
| content       | <code>lib/open-networks/constants.js</code>                                           | <code>opennetworks</code> |
| content       | <code>lib/open-networks/deployment-manager.js</code>                                  | <code>opennetworks</code> |

| Evidence type | Source                            | Match         |
|---------------|-----------------------------------|---------------|
| path          | lib/open-networks/agent-client.js | open-networks |
| path          | lib/open-networks/compiler.js     | open-networks |

# Candidate REST/API interfaces

No component-specific REST route was associated by the scanner.

# Candidate real-time interfaces

No component-specific WebSocket endpoint was associated by the scanner.

# Configuration candidates

| Variable             | Default                                                                                 | Evidence                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| AEGIS_SENTINEL_LABEL | COMPILED_DEPLOYMENT.aegisSentinelLabel.trim()    COMPILED_DEPLOYMENT.aegisSentinelLabel | server.js, tools/integrate_opensof_service_entries.py                                          |
| ANTHROPIC_API_KEY    | —                                                                                       | server.js, lib/openllm/agents.js, lib/openllm/providers.js                                     |
| API_BASE             | —                                                                                       | open-rf/app.js, public/open-networks/app.js, public/open-rf/app.js                             |
| BACKUP_ROOT          | —                                                                                       | modules/open-networks/integration/install-module-files.sh                                      |
| DATA_DIR             | path.join(ROOT                                                                          | OPENCYBERSEC-QUICKSTART.md, OPENCYBERSEC.md, RELEASE-MANIFEST-v0.14.0.json, UPGRADE-v0.14.0.md |
| EOD_TECH_TARGET      | @eodtech                                                                                | server.js                                                                                      |
| HOST                 | 0.0.0.0                                                                                 | server.js, lib/openrf-controller/server.js                                                     |
| KNOWLEDGE_NS         | —                                                                                       | server.js                                                                                      |
| MISSION_KNOWLEDGE_NS | —                                                                                       | server.js                                                                                      |

| Variable                           | Default                                   | Evidence                                                                                         |
|------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------|
| MOUNT_PATH                         | COMPILED_DEPLOYMENT.mountPath             | server.js                                                                                        |
| NODE_ID                            | COMPILED_DEPLOYMENT.nodeId                | server.js, edge/openssa-sensor/lib/openssa.js, lib/openssa.js                                    |
| OPENAAR_SIGNING_KEY                | [REDACTED]                                | server.js                                                                                        |
| OPENAAR_SNAPSHOT_EVERY_EVENTS      | 100                                       | server.js                                                                                        |
| OPENAAR_SNAPSHOT_INTERVAL_S        | 30                                        | server.js                                                                                        |
| OPENAI_API_KEY                     | —                                         | server.js, lib/openllm/providers.js                                                              |
| OPENANALYTICS_CONNECTOR_TIMEOUT_MS | 60000                                     | server.js                                                                                        |
| OPENBUS_API_TOKEN                  | [REDACTED]                                | OPENKNOWLEDGE-OPENTASK.md, OPENLVC-DEMO.md, OPENLVC-RTI.md, demo_simulator.py                    |
| OPENBUS_MAX_HISTORY                | 500                                       | server.js                                                                                        |
| OPENCHAT_DEFAULT_TARGET            | #eod-ops                                  | server.js                                                                                        |
| OPENCOP_TRACK_URL                  | https://opencop.c24.airoapp.ai/api/tracks | server.js                                                                                        |
| OPENCOP_UI_URL                     | BUILTIN_OPENCOP_UI_URL                    | server.js                                                                                        |
| OPENCYBERSEC_AGENT_TOKEN           | [REDACTED]                                | OPENCYBERSEC-QUICKSTART.md, OPENCYBERSEC.md, server.js, examples/opencybersec/ingest-examples.sh |
| OPENCYBERSEC_OPERATOR_TOKEN        | [REDACTED]                                | OPENCYBERSEC-QUICKSTART.md, OPENCYBERSEC.md, server.js, examples/opencybersec/ingest-examples.sh |
| OPENCYBERSEC_READ_TOKEN            | —                                         | server.js                                                                                        |
| OPENFILES_HEALTH_URL               | —                                         | server.js, tools/integrate_opensof_service_entries.py                                            |
| OPENFILES_SERVICE_URL              | —                                         | server.js                                                                                        |
| OPENIIA_MAX_EVIDENCE_BYTES         | 12000000                                  | server.js                                                                                        |
| OPENISAC_HEALTH_URL                | —                                         | server.js, tools/integrate_opensof_service_entries.py                                            |
| OPENISAC_SERVICE_URL               | —                                         | server.js                                                                                        |
| OPENKNOWLEDGE_EDITOR_TOKEN         | [REDACTED]                                | server.js                                                                                        |
| OPENKNOWLEDGE_GRAPH                | https://opensof.local/graph/core          | server.js                                                                                        |
| OPENKNOWLEDGE_MODEL_FILE           | path.join(DATA                            | server.js                                                                                        |

| Variable                                   | Default                      | Evidence                                                                                         |
|--------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------|
| <code>OPENKNOWLEDGE_ONTOWIKI_URL</code>    | —                            | server.js                                                                                        |
| <code>OPENKNOWLEDGE_SPARQL_ENDPOINT</code> | —                            | server.js                                                                                        |
| <code>OPENKNOWLEDGE_TIMEOUT_MS</code>      | 8000                         | server.js                                                                                        |
| <code>OPENLLM_ANTHROPIC_API_KEY</code>     | [REDACTED]                   | server.js, lib/openllm/providers.js                                                              |
| <code>OPENLLM_OPENAI_API_KEY</code>        | [REDACTED]                   | server.js, lib/openllm/providers.js                                                              |
| <code>OPENLLM_OPENWEBUI_API_KEY</code>     | [REDACTED]                   | server.js, lib/openllm/providers.js                                                              |
| <code>OPENLLM_OPENWEBUI_URL</code>         | process.env.OPENWEBUI_URL    | server.js, lib/openllm/providers.js                                                              |
| <code>OPENLLM_OPERATOR_TOKEN</code>        | [REDACTED]                   | server.js, lib/openllm.js                                                                        |
| <code>OPENLLM_WORKSPACES_DIR</code>        | path.join(ROOT               | server.js                                                                                        |
| <code>OPENLVC_HEALTH_URL</code>            | —                            | server.js,<br>tools/integrate_opensof_service_entries.py                                         |
| <code>OPENLVC_SERVICE_URL</code>           | —                            | server.js                                                                                        |
| <code>OPENMAIL_HEALTH_URL</code>           | —                            | server.js,<br>tools/integrate_opensof_service_entries.py                                         |
| <code>OPENMAIL_SERVICE_URL</code>          | —                            | server.js                                                                                        |
| <code>OPENNETWORKS_AGENT_SOCKET</code>     | /run/opennetworks/agent.sock | lib/open-networks/agent-client.js,<br>modules/open-networks/integration/native-server-example.js |
| <code>OPENNETWORKS_AGENT_TIMEOUT_MS</code> | 120000                       | lib/open-networks/agent-client.js,<br>modules/open-networks/integration/native-server-example.js |
| <code>OPENNETWORKS_BODY_LIMIT_BYTES</code> | 2 * 1024 * 1024              | lib/open-networks/index.js                                                                       |
| <code>OPENNETWORKS_DATA_DIR</code>         | path.join(this.rootDir       | lib/open-networks/service.js,<br>modules/open-networks/integration/native-server-example.js      |
| <code>OPENNETWORKS_EXECUTION_MODE</code>   | simulate                     | lib/open-networks/service.js,<br>modules/open-networks/integration/native-server-example.js      |
| <code>OPENRF_AGENT_TOKEN</code>            | [REDACTED]                   | server.js, lib/openrf-controller/server.js, openrf/API.md                                        |
| <code>OPENRF_DATA_DIR</code>               | path.join(DATA               | server.js, lib/openrf-controller/server.js                                                       |

| Variable                        | Default                                           | Evidence                                                                                                                                  |
|---------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| OPENRF_OPERATOR_TOKEN           | [REDACTED]                                        | server.js, lib/openrf-controller/server.js, openrf/API.md, openrf/README-UPSTREAM-v0.3.0.md                                               |
| OPENRF_READ_TOKEN               | —                                                 | server.js, lib/openrf-controller/server.js, openrf/API.md                                                                                 |
| OPENSSA_ACTIVE_TIMEOUT_S        | 900                                               | server.js, edge/openssa-sensor/SERVER_INTEGRATION.md, edge/openssa-sensor/lib/openssa.js, lib/openssa.js                                  |
| OPENSSA_ITU_REGION              | 2                                                 | server.js, edge/openssa-sensor/SERVER_INTEGRATION.md, edge/openssa-sensor/lib/openssa.js, lib/openssa.js                                  |
| OPENSSA_SENSOR_TOKEN            | [REDACTED]                                        | server.js, edge/openssa-sensor/SERVER_INTEGRATION.md, edge/openssa-sensor/local_server.js, edge/openssa-sensor/demo/run_streaming_demo.py |
| OPENWEBUI_API_KEY               | [REDACTED]                                        | server.js, lib/openllm/providers.js                                                                                                       |
| OPENWEBUI_CHAT_PATH             | /api/chat/completions                             | server.js                                                                                                                                 |
| OPENWEBUI_DEFAULT_MODEL         | —                                                 | server.js                                                                                                                                 |
| OPENWEBUI_HEALTH_PATH           | /health                                           | server.js                                                                                                                                 |
| OPENWEBUI_MODELS_PATH           | /api/models                                       | server.js                                                                                                                                 |
| OPENWEBUI_URL                   | ).replace(//+\$/                                  | server.js                                                                                                                                 |
| OPEN_EYES_DEFAULT_ASSET         | ISAC-RASPBOT-01                                   | server.js                                                                                                                                 |
| PORT                            | 3000                                              | server.js, edge/openssa-sensor/local_server.js, lib/openrf-controller/server.js                                                           |
| PUBLIC_BASE_URL                 | COMPILED_DEPLOYMENT.publicBaseUrl).replace(//+\$/ | server.js                                                                                                                                 |
| RASPBOT_BROWSER_WS_URL          | —                                                 | server.js                                                                                                                                 |
| RASPBOT_CONTROL_URL             | —                                                 | server.js                                                                                                                                 |
| RASPBOT_STREAM_URL              | —                                                 | server.js                                                                                                                                 |
| ROCKETCHAT_AUTH_TOKEN           | [REDACTED]                                        | server.js                                                                                                                                 |
| ROCKETCHAT_BOT_USERNAME         | openc5.bot                                        | server.js                                                                                                                                 |
| ROCKETCHAT_EMBED_URL            | —                                                 | server.js                                                                                                                                 |
| ROCKETCHAT_INCOMING_WEBHOOK_URL | —                                                 | server.js                                                                                                                                 |

| Variable                  | Default                              | Evidence                                                      |
|---------------------------|--------------------------------------|---------------------------------------------------------------|
| ROCKETCHAT_OUTGOING_TOKEN | [REDACTED]                           | server.js, rocketchat/outgoing-webhook-test.sh                |
| ROCKETCHAT_PUBLIC_URL     | ROCKETCHAT_URL    "").replace(//+\$/ | server.js                                                     |
| ROCKETCHAT_URL            | ).replace(//+\$/                     | server.js                                                     |
| ROCKETCHAT_USER_ID        | —                                    | server.js                                                     |
| SITE_ID                   | COMPILED_DEPLOYMENT.siteId           | server.js, edge/openssa-sensor/lib/openssa.js, lib/openssa.js |
| SOURCE_ROOT               | —                                    | modules/open-networks/integration/install-module-files.sh     |
| STAMP                     | —                                    | modules/open-networks/integration/install-module-files.sh     |

# Service candidates

No component-specific service definition was associated by the scanner.

# External dependencies/endpoints

| Host                   | URL                                       | Source                                                                   |
|------------------------|-------------------------------------------|--------------------------------------------------------------------------|
| \${req.headers.host    | http://\${req.headers.host/               | server.js                                                                |
| opencop.c24.airoapp.ai | https://opencop.c24.airoapp.ai/api/tracks | server.js                                                                |
| opennetworks.local     | http://opennetworks.local/                | lib/open-networks/index.js                                               |
| opensof.bss.dev        | https://opensof.bss.dev/                  | server.js                                                                |
| opensof.local          | https://opensof.local/graph/core          | server.js                                                                |
| opensof.local          | https://opensof.local/ontology            | .opennetworks-backup-20260827T210646Z/ontology/openaar-mr.ttl            |
| opensof.local          | https://opensof.local/ontology            | .opennetworks-backup-20260827T210646Z/ontology/opencybersec.ttl          |
| opensof.local          | https://opensof.local/ontology            | .opennetworks-backup-20260827T210646Z/ontology/opendaa-openanalytics.ttl |

| Host          | URL                                                  | Source                                                                   |
|---------------|------------------------------------------------------|--------------------------------------------------------------------------|
| opensof.local | https://opensof.local/ontology                       | .opennetworks-backup-20260827T210646Z/ontology/opendaa-opendata.ttl      |
| opensof.local | https://opensof.local/ontology                       | .opennetworks-backup-20260827T210646Z/ontology/openiia.ttl               |
| opensof.local | https://opensof.local/ontology                       | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json  |
| opensof.local | https://opensof.local/ontology                       | .opennetworks-backup-20260827T210646Z/ontology/opensof-applications.ttl  |
| opensof.local | https://opensof.local/ontology                       | .opennetworks-backup-20260827T210646Z/ontology/opensof-core.ttl          |
| opensof.local | https://opensof.local/ontology                       | .opennetworks-backup-20260827T210646Z/ontology/opensof-ontology.ttl      |
| opensof.local | https://opensof.local/ontology                       | server.js                                                                |
| opensof.local | https://opensof.local/ontology/applications          | .opennetworks-backup-20260827T210646Z/ontology/opensof-applications.ttl  |
| opensof.local | https://opensof.local/ontology/cyber                 | .opennetworks-backup-20260827T210646Z/ontology/opencybersec.ttl          |
| opensof.local | https://opensof.local/ontology/openaar-mr            | .opennetworks-backup-20260827T210646Z/ontology/openaar-mr.ttl            |
| opensof.local | https://opensof.local/ontology/opencybersec          | .opennetworks-backup-20260827T210646Z/ontology/opencybersec.ttl          |
| opensof.local | https://opensof.local/ontology/opendaa-openanalytics | .opennetworks-backup-20260827T210646Z/ontology/opendaa-openanalytics.ttl |
| opensof.local | https://opensof.local/ontology/opendaa-opendata      | .opennetworks-backup-20260827T210646Z/ontology/opendaa-opendata.ttl      |
| opensof.local | https://opensof.local/resource/                      | .opennetworks-backup-20260827T210646Z/ontology/openaar-mr.ttl            |
| opensof.local | https://opensof.local/resource/                      | .opennetworks-backup-20260827T210646Z/ontology/opencybersec.ttl          |
| opensof.local | https://opensof.local/resource/                      | .opennetworks-backup-20260827T210646Z/ontology/opendaa-openanalytics.ttl |
| opensof.local | https://opensof.local/resource/                      | .opennetworks-backup-20260827T210646Z/ontology/opendaa-opendata.ttl      |

| Host          | URL                                                           | Source                                                                  |
|---------------|---------------------------------------------------------------|-------------------------------------------------------------------------|
| opensof.local | https://opensof.local/resource/                               | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/                               | .opennetworks-backup-20260827T210646Z/ontology/opensof-applications.ttl |
| opensof.local | https://opensof.local/resource/                               | .opennetworks-backup-20260827T210646Z/ontology/opensof-core.ttl         |
| opensof.local | https://opensof.local/resource/                               | .opennetworks-backup-20260827T210646Z/ontology/opensof-ontology.ttl     |
| opensof.local | https://opensof.local/resource/                               | server.js                                                               |
| opensof.local | https://opensof.local/resource/RULE-GROUNDROBOT-GROUNDVEHICLE | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-GROUNDROBOT-OBJECT        | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-GROUNDROBOT-RF            | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-HUMAN-ANALYTICDECISION    | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-HUMAN-ANALYTICMODEL       | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-HUMAN-ANALYTICWORKFLOW    | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-HUMAN-DATALAKE            | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-HUMAN-DATASERVICE         | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-HUMAN-LVC-RUN             | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-HUMAN-LVC-SCENARIO        | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-HUMAN-NOTEBOOK            | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-HUMAN-OBJECT              | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |

| Host          | URL                                                           | Source                                                                  |
|---------------|---------------------------------------------------------------|-------------------------------------------------------------------------|
| opensof.local | https://opensof.local/resource/RULE-HUMAN-SCENARIO            | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-HUMAN-SYNTHETIC-VIEW      | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-SENSOR-OBJECT             | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-SOFTWARE-ANALYTICMODEL    | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-SOFTWARE-ANALYTICWORKFLOW | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-SOFTWARE-LVC-RUN          | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-SOFTWARE-LVC-SCENARIO     | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |
| opensof.local | https://opensof.local/resource/RULE-SOFTWARE-OBJECT           | .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json |

# Verification checklist

- Confirm the component is included and enabled in this edition/release.
- Record its authoritative service, process/container, port, base URL and health endpoint.
- Exercise its primary operator workflow and capture expected versus actual results.
- Verify authentication, authorization, audit, error behavior and data handling policy.
- Verify OpenBus/OpenKnowledge relationships and time/provenance metadata where applicable.
- Document known limitations and the release in which they are corrected.

# Maintainer Notes

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

# OpenLVC

# OpenLVC

| 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           | Catalog intent plus component-scoped static 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.

## Purpose

The live, virtual and constructive interoperability layer for connecting real equipment, high-fidelity virtual systems and constructive simulations.

## Operational value

Supports acquisition, analysis, training, mission rehearsal and experimentation using the same operational interfaces as live systems.

# Differentiators

Synthetic entities and live assets can share the same track, task, semantic, timing and collaboration fabric instead of requiring a parallel exercise-only architecture.

## Platform connections

- OpenTrack
- OpenPNT
- OpenCOP
- OpenAAR-MR
- OpenNetworks

## Release detection

| Status   | Score | Evidence items |
|----------|-------|----------------|
| detected | 173   | 12             |

| Evidence type | Source                          | Match    |
|---------------|---------------------------------|----------|
| path          | OPENLVC-DEMO.md                 | openlvc  |
| path          | OPENLVC-RTI.md                  | openlvc  |
| path          | OPENLVC.md                      | openlvc  |
| path          | edge/openlvc/README.md          | openlvc  |
| path          | edge/openlvc/ais_nmea_bridge.py | openlvc  |
| content       | API.md                          | openlvc  |
| content       | CHANGELOG.md                    | openlvc  |
| content       | DEPLOY-GODADDY.md               | openlvc  |
| content       | EXTERNAL-SERVICES.md            | openlvc  |
| content       | MERGE-INSTRUCTIONS-v0.8.1.md    | openlvc  |
| path          | open-lvc/app.js                 | open-lvc |
| path          | open-lvc/index.html             | open-lvc |

# Candidate REST/API interfaces

No component-specific REST route was associated by the scanner.

# Candidate real-time interfaces

| Endpoint   | Source          | Evidence |
|------------|-----------------|----------|
| wss://.../ | OPENLVC-DEMO.md | url      |

# Configuration candidates

| Variable                     | Default               | Evidence                                                                                                     |
|------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------|
| BASE                         | http://127.0.0.1:3000 | DEPLOY-GODADDY.md, OPENCYBERSEC-QUICKSTART.md, OPENCYBERSEC.md, UPGRADE-v0.14.0.md                           |
| FG_ROOT                      | —                     | edge/openlvc/flightgear/opensof-lvc.xml                                                                      |
| OPENBUS_API_TOKEN            | [REDACTED]            | OPENKNOWLEDGE-OPENTASK.md, OPENLVC-DEMO.md, OPENLVC-RTI.md, demo_simulator.py                                |
| OPENLVC_FEDERATE             | —                     | edge/openlvc/systemd/openlvc-rti-gateway.service                                                             |
| OPENLVC_FEDERATION           | —                     | edge/openlvc/systemd/openlvc-rti-gateway.service                                                             |
| OPENLVC_RTI_SIDE CAR_COMMAND | —                     | edge/openlvc/systemd/openlvc-rti-gateway.service                                                             |
| OPENSOF_URL                  | http://127.0.0.1:3000 | OPENLVC-DEMO.md, edge/openlvc/README.md, edge/openlvc/dis_udp_bridge.py, edge/openlvc/rti_openbus_gateway.py |

# Service candidates

| Service | ExecStart | Source |
|---------|-----------|--------|
|---------|-----------|--------|

|                                   |                                                                                                                                                                                                                                                      |                                                                     |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| openlvc-ais-bridge.service        | <code>/usr/bin/python3<br/>/opt/opensof/edge/openlvc/ais_nmea_bridge.py --opensof \${OPENSOF_URL} --token [REDACTED] --bind 0.0.0.0 --port 10110</code>                                                                                              | <code>edge/openlvc/systemd/openlvc-ais-bridge.service</code>        |
| openlvc-dis-bridge.service        | <code>/usr/bin/python3<br/>/opt/opensof/edge/openlvc/dis_udp_bridge.py --opensof \${OPENSOF_URL} --token [REDACTED] --bind 0.0.0.0 --port 3000</code>                                                                                                | <code>edge/openlvc/systemd/openlvc-dis-bridge.service</code>        |
| openlvc-flightgear-bridge.service | <code>/usr/bin/python3<br/>/opt/opensof/edge/openlvc/flightgear_bridge.py --opensof \${OPENSOF_URL} --token [REDACTED] --bind 0.0.0.0 --port 5505</code>                                                                                             | <code>edge/openlvc/systemd/openlvc-flightgear-bridge.service</code> |
| openlvc-rti-gateway.service       | <code>/usr/bin/python3<br/>/opt/opensof/edge/openlvc/rti_openbus_gateway.py --opensof \${OPENSOF_URL} --token [REDACTED] --federation \${OPENLVC_FEDERATION} --federate \${OPENLVC_FEDERATE} --sidecar-command \${OPENLVC_RTI_SIDEAR_COMMAND}</code> | <code>edge/openlvc/systemd/openlvc-rti-gateway.service</code>       |

# External dependencies/endpoints

| Host                      | URL                                                                                                                                              | Source                                                                                           |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| ...                       | <code>https://.../mjpeg</code>                                                                                                                   | <code>OPENLVC-DEMO.md</code>                                                                     |
| aksw.org                  | <code>http://aksw.org/</code>                                                                                                                    | <code>third_party/ontowiki/application/classes/OntoWiki/Dispatcher.php</code>                    |
| archive.apache.org        | <code>http://archive.apache.org/dist/jena/binaries/jena-fuseki-\$FUSEKI-distribution.tar.gz</code>                                               | <code>third_party/ontowiki/application/scripts/travis/install-services.sh</code>                 |
| bss.dev                   | <code>https://bss.dev/live/isac/\nOPENLVC_PUBLIC_URL=\nAEGIS_SENTINEL_LABEL=AEGIS-SENTINEL\nOPENMAIL_PUBLIC_URL=\nOPENFILES_PUBLIC_URL=\n</code> | <code>tools/integrate_opensof_service_entries.py</code>                                          |
| developer.mozilla.org     | <code>https://developer.mozilla.org/en-US/docs/CSS/display</code>                                                                                | <code>third_party/ontowiki/extensions/themes/silverblue/scripts/libraries/jquery-1.9.1.js</code> |
| github.com                | <code>https://github.com/mwjames/travis-support/raw/master/fuseki/\$FUSEKI/jena-fuseki-\$FUSEKI-distribution.tar.gz</code>                       | <code>third_party/ontowiki/application/scripts/travis/install-services.sh</code>                 |
| json-schema.org           | <code>https://json-schema.org/draft/2020-12/schema</code>                                                                                        | <code>edge/openlvc/sidecar-contract.schema.json</code>                                           |
| loammhpng4.c36.airoapp.ai | <code>https://loammhpng4.c36.airoapp.ai/</code>                                                                                                  | <code>API.md</code>                                                                              |
| loammhpng4.c36.airoapp.ai | <code>https://loammhpng4.c36.airoapp.ai/</code>                                                                                                  | <code>CHANGELOG.md</code>                                                                        |

| Host                      | URL                                                                                                                                                                                                                                                                                                                               | Source                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| loammhpng4.c36.airoapp.ai | https://loammhpng4.c36.airoapp.ai/open-<br>cop/\nhttps://loammhpng4.c36.airoapp.a<br>i/open-<br>isac/\nhttps://loammhpng4.c36.airoapp.<br>ai/open-<br>lvc/\nhttps://loammhpng4.c36.airoapp.a<br>i/open-<br>mail/\nhttps://loammhpng4.c36.airoapp.<br>ai/open-<br>files/\nhttps://loammhpng4.c36.airoapp<br>.ai/api/integrations\n | tools/integrate_opensof_service_entrie<br>s.py                                         |
| ns.aksw.org               | http://ns.aksw.org/spatialHierarchy/Di<br>strict                                                                                                                                                                                                                                                                                  | third_party/ontowiki/application/tests<br>/unit/OntoWiki/Extension/ManagerTest.p<br>hp |
| ontowiki.net              | http://ontowiki.net/                                                                                                                                                                                                                                                                                                              | third_party/ontowiki/application/class<br>es/OntoWiki/Dispatcher.php                   |
| opensof.local             | https://opensof.local/ontology                                                                                                                                                                                                                                                                                                    | lib/openlvc.js                                                                         |
| opensof.local             | https://opensof.local/resource/                                                                                                                                                                                                                                                                                                   | lib/openlvc.js                                                                         |
| opensource.org            | http://opensource.org/licenses/gpl-<br>license.php                                                                                                                                                                                                                                                                                | third_party/ontowiki/application/class<br>es/OntoWiki/Dispatcher.php                   |

# Verification checklist

- Confirm the component is included and enabled in this edition/release.
- Record its authoritative service, process/container, port, base URL and health endpoint.
- Exercise its primary operator workflow and capture expected versus actual results.
- Verify authentication, authorization, audit, error behavior and data handling policy.
- Verify OpenBus/OpenKnowledge relationships and time/provenance metadata where applicable.
- Document known limitations and the release in which they are corrected.

# Maintainer Notes

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

# OpenAAR-MR

# OpenAAR-MR

| 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           | Catalog intent plus component-scoped static 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.

## Purpose

The after-action review and mission-rehearsal module for recording, replaying, assessing and synthetically stimulating operational activity.

## Operational value

Uses actual message, timing, task and sensor histories for evidence-based review and can reuse the same interfaces for rehearsal before execution.

# Differentiators

Replay is integrated with the operational representation and analytics rather than being limited to video playback or a separate training system.

## Platform connections

- OpenBus
- OpenFiles
- OpenLVC
- OpenAnalytics
- OpenTask

## Release detection

| Status   | Score | Evidence items |
|----------|-------|----------------|
| detected | 182   | 12             |

| Evidence type | Source                                                                     | Match                 |
|---------------|----------------------------------------------------------------------------|-----------------------|
| path          | <code>.opennetworks-backup-20260827T210646Z/ontology/openaar-mr.ttl</code> | <code>openaar</code>  |
| path          | <code>data/openaar-mr/state.json</code>                                    | <code>openaar</code>  |
| path          | <code>drivers/openaar-edge-recorder.env.example</code>                     | <code>openaar</code>  |
| path          | <code>drivers/openaar-edge-recorder.service.example</code>                 | <code>openaar</code>  |
| path          | <code>drivers/openaar_edge_recorder.py</code>                              | <code>openaar</code>  |
| content       | <code>OPENCYBERSEC.md</code>                                               | <code>openaar</code>  |
| content       | <code>README.md</code>                                                     | <code>openaar</code>  |
| content       | <code>RELEASE-v0.15.0.md</code>                                            | <code>openaar</code>  |
| content       | <code>package.json</code>                                                  | <code>openaar</code>  |
| content       | <code>server.js</code>                                                     | <code>openaar</code>  |
| path          | <code>open-aar-mr/app.js</code>                                            | <code>open-aar</code> |
| path          | <code>open-aar-mr/index.html</code>                                        | <code>open-aar</code> |

# Candidate REST/API interfaces

No component-specific REST route was associated by the scanner.

# Candidate real-time interfaces

No component-specific WebSocket endpoint was associated by the scanner.

# Configuration candidates

| Variable             | Default                                                                                 | Evidence                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| AEGIS_SENTINEL_LABEL | COMPILED_DEPLOYMENT.aegisSentinelLabel.trim()    COMPILED_DEPLOYMENT.aegisSentinelLabel | server.js, tools/integrate_opensof_service_entries.py                                          |
| ANTHROPIC_API_KEY    | —                                                                                       | server.js, lib/openllm/agents.js, lib/openllm/providers.js                                     |
| BASE                 | http://127.0.0.1:3000                                                                   | DEPLOY-GODADDY.md, OPENCYBERSEC-QUICKSTART.md, OPENCYBERSEC.md, UPGRADE-v0.14.0.md             |
| DATA_DIR             | path.join(ROOT                                                                          | OPENCYBERSEC-QUICKSTART.md, OPENCYBERSEC.md, RELEASE-MANIFEST-v0.14.0.json, UPGRADE-v0.14.0.md |
| EOD_TECH_TARGET      | @eodtech                                                                                | server.js                                                                                      |
| HOST                 | 0.0.0.0                                                                                 | server.js, lib/openrf-controller/server.js                                                     |
| KNOWLEDGE_NS         | —                                                                                       | server.js                                                                                      |
| MISSION_KNOWLEDGE_NS | —                                                                                       | server.js                                                                                      |
| MOUNT_PATH           | COMPILED_DEPLOYMENT.mountPath                                                           | server.js                                                                                      |
| NODE_ID              | COMPILED_DEPLOYMENT.nodeId                                                              | server.js, edge/openssa-sensor/lib/openssa.js, lib/openssa.js                                  |
| OPENAAR_BATCH_SIZE   | 100                                                                                     | drivers/openaar_edge_recorder.py                                                               |
| OPENAAR_CLOCK_SOURCE | SYSTEM                                                                                  | drivers/openaar_edge_recorder.py                                                               |
| OPENAAR_MAX_SPOOL_MB | 2048                                                                                    | drivers/openaar_edge_recorder.py                                                               |

| Variable                           | Default                                   | Evidence                                                                                         |
|------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------|
| OPENAAR_NODE_ID                    | socket.gethostname()                      | drivers/openaar_edge_recorder.py                                                                 |
| OPENAAR_RECONNECT_S                | 5                                         | drivers/openaar_edge_recorder.py                                                                 |
| OPENAAR_RECORDER_ID                | f"EDGE-{socket.gethostname()"             | drivers/openaar_edge_recorder.py                                                                 |
| OPENAAR_REPORT_INTERVAL_S          | 30                                        | drivers/openaar_edge_recorder.py                                                                 |
| OPENAAR_RUN_ID                     | —                                         | drivers/openaar_edge_recorder.py                                                                 |
| OPENAAR_SERVER                     | http://127.0.0.1:3000                     | drivers/openaar_edge_recorder.py                                                                 |
| OPENAAR_SIGNING_KEY                | [REDACTED]                                | server.js                                                                                        |
| OPENAAR_SITE                       | FIELD                                     | drivers/openaar_edge_recorder.py                                                                 |
| OPENAAR_SNAPSHOT_EVERY_EVENTS      | 100                                       | server.js                                                                                        |
| OPENAAR_SNAPSHOT_INTERVAL_S        | 30                                        | server.js                                                                                        |
| OPENAAR_SPOOL_DIR                  | /var/lib/openaar-edge                     | drivers/openaar_edge_recorder.py                                                                 |
| OPENAAR_TIME_UNCERTAINTY_NS        | 0                                         | drivers/openaar_edge_recorder.py                                                                 |
| OPENAAR_TOPICS                     | —                                         | drivers/openaar_edge_recorder.py                                                                 |
| OPENAAR_TYPES                      | —                                         | drivers/openaar_edge_recorder.py                                                                 |
| OPENAI_API_KEY                     | —                                         | server.js, lib/openllm/providers.js                                                              |
| OPENANALYTICS_CONNECTOR_TIMEOUT_MS | 60000                                     | server.js                                                                                        |
| OPENBUS_API_TOKEN                  | [REDACTED]                                | OPENKNOWLEDGE-OPENTASK.md, OPENLVC-DEMO.md, OPENLVC-RTI.md, demo_simulator.py                    |
| OPENBUS_MAX_HISTORY                | 500                                       | server.js                                                                                        |
| OPENCHAT_DEFAULT_TARGET            | #eod-ops                                  | server.js                                                                                        |
| OPENCOP_TRACK_URL                  | https://opencop.c24.airoapp.ai/api/tracks | server.js                                                                                        |
| OPENCOP_UI_URL                     | BUILTIN_OPENCOP_UI_URL                    | server.js                                                                                        |
| OPENCYBERSEC_AGENT_TOKEN           | [REDACTED]                                | OPENCYBERSEC-QUICKSTART.md, OPENCYBERSEC.md, server.js, examples/opencybersec/ingest-examples.sh |
| OPENCYBERSEC_OPERATOR_TOKEN        | [REDACTED]                                | OPENCYBERSEC-QUICKSTART.md, OPENCYBERSEC.md, server.js, examples/opencybersec/ingest-examples.sh |
| OPENCYBERSEC_READ_TOKEN            | —                                         | server.js                                                                                        |
| OPENFILES_HEALTH_URL               | —                                         | server.js, tools/integrate_opensof_service_entries.py                                            |

| Variable                      | Default                          | Evidence                                                                                    |
|-------------------------------|----------------------------------|---------------------------------------------------------------------------------------------|
| OPENFILES_SERVICE_URL         | —                                | server.js                                                                                   |
| OPENIIA_MAX_EVIDENCE_BYTES    | 12000000                         | server.js                                                                                   |
| OPENISAC_HEALTH_URL           | —                                | server.js,<br>tools/integrate_opensof_service_entries.py                                    |
| OPENISAC_SERVICE_URL          | —                                | server.js                                                                                   |
| OPENKNOWLEDGE_EDITOR_TOKEN    | [REDACTED]                       | server.js                                                                                   |
| OPENKNOWLEDGE_GRAPH           | https://opensof.local/graph/core | server.js                                                                                   |
| OPENKNOWLEDGE_MODEL_FILE      | path.join(DATA                   | server.js                                                                                   |
| OPENKNOWLEDGE_ONTOWIKI_URL    | —                                | server.js                                                                                   |
| OPENKNOWLEDGE_SPARQL_ENDPOINT | —                                | server.js                                                                                   |
| OPENKNOWLEDGE_TIMEOUT_MS      | 8000                             | server.js                                                                                   |
| OPENLLM_ANTHROPIC_API_KEY     | [REDACTED]                       | server.js, lib/openllm/providers.js                                                         |
| OPENLLM_OPENAI_API_KEY        | [REDACTED]                       | server.js, lib/openllm/providers.js                                                         |
| OPENLLM_OPENWEBUI_API_KEY     | [REDACTED]                       | server.js, lib/openllm/providers.js                                                         |
| OPENLLM_OPENWEBUI_URL         | process.env.OPENWEBUI_URL        | server.js, lib/openllm/providers.js                                                         |
| OPENLLM_OPERATOR_TOKEN        | [REDACTED]                       | server.js, lib/openllm.js                                                                   |
| OPENLLM_WORKSPACES_DIR        | path.join(ROOT                   | server.js                                                                                   |
| OPENLVC_HEALTH_URL            | —                                | server.js,<br>tools/integrate_opensof_service_entries.py                                    |
| OPENLVC_SERVICE_URL           | —                                | server.js                                                                                   |
| OPENMAIL_HEALTH_URL           | —                                | server.js,<br>tools/integrate_opensof_service_entries.py                                    |
| OPENMAIL_SERVICE_URL          | —                                | server.js                                                                                   |
| OPENRF_AGENT_TOKEN            | [REDACTED]                       | server.js, lib/openrf-controller/server.js, openrf/API.md                                   |
| OPENRF_DATA_DIR               | path.join(DATA                   | server.js, lib/openrf-controller/server.js                                                  |
| OPENRF_OPERATOR_TOKEN         | [REDACTED]                       | server.js, lib/openrf-controller/server.js, openrf/API.md, openrf/README-UPSTREAM-v0.3.0.md |
| OPENRF_READ_TOKEN             | —                                | server.js, lib/openrf-controller/server.js, openrf/API.md                                   |

| Variable                 | Default                                               | Evidence                                                                                                                                  |
|--------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| OPENSsa_ACTIVE_TIMEOUT_S | 900                                                   | server.js, edge/openssa-sensor/SERVER_INTEGRATION.md, edge/openssa-sensor/lib/openssa.js, lib/openssa.js                                  |
| OPENSsa_ITU_REGION       | 2                                                     | server.js, edge/openssa-sensor/SERVER_INTEGRATION.md, edge/openssa-sensor/lib/openssa.js, lib/openssa.js                                  |
| OPENSsa_SENSOR_TOKEN     | [REDACTED]                                            | server.js, edge/openssa-sensor/SERVER_INTEGRATION.md, edge/openssa-sensor/local_server.js, edge/openssa-sensor/demo/run_streaming_demo.py |
| OPENWEBUI_API_KEY        | [REDACTED]                                            | server.js, lib/openllm/providers.js                                                                                                       |
| OPENWEBUI_CHAT_PATH      | /api/chat/completions                                 | server.js                                                                                                                                 |
| OPENWEBUI_DEFAULT_MODEL  | —                                                     | server.js                                                                                                                                 |
| OPENWEBUI_HEALTH_PATH    | /health                                               | server.js                                                                                                                                 |
| OPENWEBUI_MODELS_PATH    | /api/models                                           | server.js                                                                                                                                 |
| OPENWEBUI_URL            | ).replace(//+\$/                                      | server.js                                                                                                                                 |
| OPEN_EYES_DEFAULT_ASSET  | ISAC-RASPBOT-01                                       | server.js                                                                                                                                 |
| PORT                     | 3000                                                  | server.js, edge/openssa-sensor/local_server.js, lib/openrf-controller/server.js                                                           |
| PUBLIC_BASE_URL          | COMPILED_DEPLOYMENT.publicBaseU<br>rl).replace(//+\$/ | server.js                                                                                                                                 |
| RASPBOT_BROWSER_WS_URL   | —                                                     | server.js                                                                                                                                 |
| RASPBOT_CONTROL_URL      | —                                                     | server.js                                                                                                                                 |
| RASPBOT_STREAM_URL       | —                                                     | server.js                                                                                                                                 |
| ROCKETCHAT_AUTH_TOKEN    | [REDACTED]                                            | server.js                                                                                                                                 |
| ROCKETCHAT_BOT_USERNAME  | openc5.bot                                            | server.js                                                                                                                                 |
| ROCKETCHAT_EMBED_URL     | —                                                     | server.js                                                                                                                                 |

# Service candidates

No component-specific service definition was associated by the scanner.

# External dependencies/endpoints

| Host                                   | URL                                                                | Source                                                                               |
|----------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <code>\${req.headers.host}</code>      | <code>http://\${req.headers.host}/</code>                          | <code>server.js</code>                                                               |
| <code>loammhpng4.c36.airoapp.ai</code> | <code>https://loammhpng4.c36.airoapp.ai/</code>                    | <code>README.md</code>                                                               |
| <code>loammhpng4.c36.airoapp.ai</code> | <code>https://loammhpng4.c36.airoapp.ai/api/tracks</code>          | <code>README.md</code>                                                               |
| <code>opencop.c24.airoapp.ai</code>    | <code>https://opencop.c24.airoapp.ai/api/tracks</code>             | <code>server.js</code>                                                               |
| <code>opensof.bss.dev</code>           | <code>https://opensof.bss.dev/</code>                              | <code>server.js</code>                                                               |
| <code>opensof.local</code>             | <code>https://opensof.local/graph/core</code>                      | <code>server.js</code>                                                               |
| <code>opensof.local</code>             | <code>https://opensof.local/ontology</code>                        | <code>.opennetworks-backup-20260827T210646Z/ontology/openaar-mr.ttl</code>           |
| <code>opensof.local</code>             | <code>https://opensof.local/ontology</code>                        | <code>lib/openaar-mr.js</code>                                                       |
| <code>opensof.local</code>             | <code>https://opensof.local/ontology</code>                        | <code>ontology/openaar-mr.ttl</code>                                                 |
| <code>opensof.local</code>             | <code>https://opensof.local/ontology</code>                        | <code>server.js</code>                                                               |
| <code>opensof.local</code>             | <code>https://opensof.local/ontology/openaar-mr</code>             | <code>.opennetworks-backup-20260827T210646Z/ontology/openaar-mr.ttl</code>           |
| <code>opensof.local</code>             | <code>https://opensof.local/ontology/openaar-mr</code>             | <code>ontology/openaar-mr.ttl</code>                                                 |
| <code>opensof.local</code>             | <code>https://opensof.local/resource/</code>                       | <code>.opennetworks-backup-20260827T210646Z/ontology/openaar-mr.ttl</code>           |
| <code>opensof.local</code>             | <code>https://opensof.local/resource/</code>                       | <code>lib/openaar-mr.js</code>                                                       |
| <code>opensof.local</code>             | <code>https://opensof.local/resource/</code>                       | <code>ontology/openaar-mr.ttl</code>                                                 |
| <code>opensof.local</code>             | <code>https://opensof.local/resource/</code>                       | <code>server.js</code>                                                               |
| <code>opensof.local</code>             | <code>https://opensof.local/resource/TASKDEF-REPLAY-LVC-RUN</code> | <code>.opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json</code> |
| <code>opensof.local</code>             | <code>https://opensof.local/resource/TASKDEF-REPLAY-LVC-RUN</code> | <code>data/openknowledge-model.json</code>                                           |
| <code>opensof.local</code>             | <code>https://opensof.local/resource/TASKDEF-REPLAY-LVC-RUN</code> | <code>ontology/openknowledge-model.json</code>                                       |

## Verification checklist

- Confirm the component is included and enabled in this edition/release.

- Record its authoritative service, process/container, port, base URL and health endpoint.
  - Exercise its primary operator workflow and capture expected versus actual results.
  - Verify authentication, authorization, audit, error behavior and data handling policy.
  - Verify OpenBus/OpenKnowledge relationships and time/provenance metadata where applicable.
  - Document known limitations and the release in which they are corrected.
- 

# Maintainer Notes

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