

# 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.
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# 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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Revision #1

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