

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, tools/integrate_opensof_service_entries.py
<code>OPENLVC_SERVICE_URL</code>	—	server.js
<code>OPENMAIL_HEALTH_URL</code>	—	server.js, 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, modules/open-networks/integration/native-server-example.js
<code>OPENNETWORKS_AGENT_TIMEOUT_MS</code>	120000	lib/open-networks/agent-client.js, 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, modules/open-networks/integration/native-server-example.js
<code>OPENNETWORKS_EXECUTION_MODE</code>	simulate	lib/open-networks/service.js, 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.
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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.
