

OpenLVC

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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
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openlvc-ais-bridge.service	<code>/usr/bin/python3 /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 /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 /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 /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- cop/\nhhttps://loammhpng4.c36.airoapp.a i/open- isac/\nhhttps://loammhpng4.c36.airoapp. ai/open- lvc/\nhhttps://loammhpng4.c36.airoapp.a i/open- mail/\nhhttps://loammhpng4.c36.airoapp. ai/open- files/\nhhttps://loammhpng4.c36.airoapp .ai/api/integrations\n	tools/integrate_opensof_service_entrie s.py
ns.aksw.org	http://ns.aksw.org/spatialHierarchy/Di strict	third_party/ontowiki/application/tests /unit/OntoWiki/Extension/ManagerTest.p hp
ontowiki.net	http://ontowiki.net/	third_party/ontowiki/application/class 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- license.php	third_party/ontowiki/application/class 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.
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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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