

Analytics & AI

Component purpose, interfaces, evidence and verification.

- [OpenAnalytics](#)
- [OpenLLM](#)
- [OpenDAA](#)

OpenAnalytics

OpenAnalytics

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 analytics workbench and semantic pipeline capability for composing sources, transforms, models, decision gates and operational effects.

Operational value

Moves analysis from disconnected notebooks into repeatable pipelines that can directly inform tracks, tasks and operational decisions.

Differentiators

Semantic types and operational workflows guide model execution, reducing brute-force AI integration and allowing humans to place explicit decision gates.

Platform connections

- OpenData
- OpenKnowledge
- OpenLLM
- OpenTask
- OpenBus

Release detection

Status	Score	Evidence items
detected	129	12

Evidence type	Source	Match
path	OPENDAA-OPENANALYTICS.md	openanalytics
path	.opennetworks-backup-20260827T210646Z/ontology/opendaa-openanalytics.ttl	openanalytics
path	data/openanalytics.json	openanalytics
path	drivers/README-OPENANALYTICS-AGENT.md	openanalytics
path	drivers/openanalytics-agent.env.example	openanalytics
content	API.md	openanalytics
content	CHANGELOG.md	openanalytics
content	FIX-v0.15.1.md	openanalytics
content	MERGE-v0.13.1.md	openanalytics
content	OPENCYBERSEC.md	openanalytics
path	open-daa/open-analytics/app.js	open-analytics
path	open-daa/open-analytics/index.html	open-analytics

Candidate REST/API interfaces

Method	Path	Source
GET	<code>api_path</code>	<code>drivers/openanalytics_agent.py</code>
GET	<code>base_url</code>	<code>drivers/openanalytics_agent.py</code>
GET	<code>id</code>	<code>drivers/openanalytics_agent.py</code>
GET	<code>lab_path</code>	<code>drivers/openanalytics_agent.py</code>
GET	<code>location</code>	<code>drivers/openanalytics_agent.py</code>
GET	<code>max_notebooks</code>	<code>drivers/openanalytics_agent.py</code>
GET	<code>name</code>	<code>drivers/openanalytics_agent.py</code>
GET	<code>owner</code>	<code>drivers/openanalytics_agent.py</code>
GET	<code>token</code>	<code>drivers/openanalytics_agent.py</code>
GET	<code>token_env</code>	<code>drivers/openanalytics_agent.py</code>

Candidate real-time interfaces

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

Configuration candidates

Variable	Default	Evidence
<code>BASE</code>	<code>http://127.0.0.1:3000</code>	DEPLOY-GODADDY.md, OPENCYBERSEC-QUICKSTART.md, OPENCYBERSEC.md, UPGRADE-v0.14.0.md
<code>DATA_DIR</code>	<code>path.join(ROOT</code>	OPENCYBERSEC-QUICKSTART.md, OPENCYBERSEC.md, RELEASE-MANIFEST-v0.14.0.json, UPGRADE-v0.14.0.md
<code>OPENCYBERSEC_AGENT_TOKEN</code>	[REDACTED]	OPENCYBERSEC-QUICKSTART.md, OPENCYBERSEC.md, server.js, examples/opencybersec/ingest-examples.sh

Variable	Default	Evidence
OPENCYBERSEC_OPERATOR_TOKEN	[REDACTED]	OPENCYBERSEC-QUICKSTART.md, OPENCYBERSEC.md, server.js, examples/opencybersec/ingest-examples.sh
RUN_ID	—	OPENCYBERSEC.md

Service candidates

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

External dependencies/endpoints

Host	URL	Source
host	http://host:8888/	public/open-daa/open-analytics/app.js
jupyter-host	http://jupyter-host:8888/	open-daa/open-analytics/app.js
llm-host	http://llm-host:3000/	open-daa/open-analytics/app.js
loammhpng4.c36.airoapp.ai	https://loammhpng4.c36.airoapp.ai/	API.md
loammhpng4.c36.airoapp.ai	https://loammhpng4.c36.airoapp.ai/	CHANGELOG.md
opensof.local	https://opensof.local/ontology	.opennetworks-backup-20260827T210646Z/ontology/opendaa-openanalytics.ttl
opensof.local	https://opensof.local/ontology	lib/openanalytics.js
opensof.local	https://opensof.local/ontology	ontology/opendaa-openanalytics.ttl
opensof.local	https://opensof.local/ontology/opendaa-openanalytics	.opennetworks-backup-20260827T210646Z/ontology/opendaa-openanalytics.ttl
opensof.local	https://opensof.local/ontology/opendaa-openanalytics	ontology/opendaa-openanalytics.ttl
opensof.local	https://opensof.local/resource/	.opennetworks-backup-20260827T210646Z/ontology/opendaa-openanalytics.ttl
opensof.local	https://opensof.local/resource/	ontology/opendaa-openanalytics.ttl
opensof.local	https://opensof.local/resource/\${encodeURIComponent(edge.id)	lib/openanalytics.js
opensof.local	https://opensof.local/resource/\${encodeURIComponent(edge.object)	lib/openanalytics.js

Host	URL	Source
opensof.local	https://opensof.local/resource/\${encodeURIComponent(edge.subject	lib/openanalytics.js
opensof.local	https://opensof.local/resource/\${encodeURIComponent(node.id	lib/openanalytics.js

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.
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OpenLLM

OpenLLM

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Purpose

The governed language-model interface for chat, retrieval, code pipelines and model selection across hosted and open-source models.

Operational value

Makes multiple models available through one operational entry point while letting workflows use the best model for the task.

Differentiators

LLMs can be constrained by platform semantics, source provenance and explicit pipelines instead of being asked to infer the entire mission context from prompts.

Platform connections

- OpenKnowledge
- OpenAnalytics
- OpenData
- OpenIIA

Release detection

Status	Score	Evidence items
detected	135	12

Evidence type	Source	Match
path	lib/openllm.js	openllm
path	lib/openllm/agents.js	openllm
path	lib/openllm/pipeline-engine.js	openllm
path	lib/openllm/providers.js	openllm
path	lib/openllm/templates.js	openllm
content	server.js	openllm
content	lib/openllm.js	openllm
content	lib/openllm/agents.js	openllm
content	lib/openllm/pipeline-engine.js	openllm
content	lib/openllm/providers.js	openllm
path	public/open-llm/app.js	open-llm
path	public/open-llm/index.html	open-llm

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	—	open-cybersec/app.js, public/open-cybersec/app.js, public/openllm/app.js
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
HOME	/tmp	lib/openllm/pipeline-engine.js, openrf/agent/functions/start-5g-core.sh, openrf/agent/functions/status-5g-core.sh, third_party/ontowiki/.travis.yml
HOST	0.0.0.0	server.js, lib/openrf-controller/server.js
KNOWLEDGE_NS	—	server.js
LANG	C.UTF-8	lib/openllm/pipeline-engine.js
MISSION_KNOWLEDGE_NS	—	server.js
MOUNT_PATH	COMPILED_DEPLOYMENT.mountPath	server.js

Variable	Default	Evidence
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
OPENKNOWLEDGE_ONTOWIKI_URL	—	server.js

Variable	Default	Evidence
OPENKNOWLEDGE_SPARQL_ENDPOINT	—	server.js
OPENKNOWLEDGE_TIMEOUT_MS	8000	server.js
OPENLLM_AGENT_MAX_OUTPUT_BYTES	—	lib/openllm/agents.js
OPENLLM_AGENT_TIMEOUT_MS	—	lib/openllm/agents.js
OPENLLM_ALLOW_LOCAL_EXECUTION	—	lib/openllm/pipeline-engine.js
OPENLLM_ANTHROPIC_API_KEY	[REDACTED]	server.js, lib/openllm/providers.js
OPENLLM_ANTHROPIC_URL	https://api.anthropic.com/v1').replace(//+\$/	lib/openllm/providers.js
OPENLLM_ANTHROPIC_VERSION	2023-06-01	lib/openllm/providers.js
OPENLLM_CLAUDE_BIN	claude	lib/openllm/agents.js
OPENLLM_CODEX_BIN	codex	lib/openllm/agents.js
OPENLLM_COMMAND_MODE	off').toLowerCase(	lib/openllm/pipeline-engine.js
OPENLLM_FALLBACK_WRITE_MAX_BYTES	—	lib/openllm/pipeline-engine.js
OPENLLM_HEALTH_TIMEOUT_MS	—	lib/openllm/providers.js
OPENLLM_MAX_AUDIT	—	lib/openllm.js
OPENLLM_MAX_RUNS	—	lib/openllm/pipeline-engine.js
OPENLLM_MODEL_CACHE_TTL_MS	—	lib/openllm/providers.js
OPENLLM_OPENAI_API_KEY	[REDACTED]	server.js, lib/openllm/providers.js
OPENLLM_OPENAI_URL	https://api.openai.com/v1').replace(//+\$/	lib/openllm/providers.js
OPENLLM_OPENBUS_SCHEMA	opensof.openbus.event/1.0	lib/openllm.js
OPENLLM_OPENWEBUI_API_KEY	[REDACTED]	server.js, lib/openllm/providers.js
OPENLLM_OPENWEBUI_CHAT_PATH	/api/chat/completions	lib/openllm/providers.js
OPENLLM_OPENWEBUI_HEALTH_PATH	/health	lib/openllm/providers.js
OPENLLM_OPENWEBUI_MODELS_PATH	/api/models	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_PROVIDER_TIMEOUT_MS	—	lib/openllm/providers.js
OPENLLM_QWEN_BIN	qwen	lib/openllm/agents.js
OPENLLM_SANDBOX_CPUS	2	lib/openllm/pipeline-engine.js
OPENLLM_SANDBOX_IMAGE	openc5isr-openllm-sandbox:0.1.0	lib/openllm/pipeline-engine.js
OPENLLM_SANDBOX_MEMORY	2g	lib/openllm/pipeline-engine.js

Variable	Default	Evidence
OPENLLM_SANDBOX_PIDS	256	lib/openllm/pipeline-engine.js
OPENLLM_WORKSPACES_DIR	path.join(ROOT	server.js
OPENLVC_HEALTH_URL	—	server.js, tools/integrate_opensof_service_entries.py
OPENLVC_SERVICE_URL	—	server.js
OPENMAIL_HEALTH_URL	—	server.js, 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
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

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>177.75.6.125</code>	<code>http://177.75.6.125:3000/</code>	<code>lib/openllm/providers.js</code>
<code>api.anthropic.com</code>	<code>https://api.anthropic.com/v1</code>	<code>lib/openllm/providers.js</code>
<code>api.openai.com</code>	<code>https://api.openai.com/v1</code>	<code>lib/openllm/providers.js</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>server.js</code>
<code>opensof.local</code>	<code>https://opensof.local/resource/</code>	<code>server.js</code>

Verification checklist

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 - 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.
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OpenDAA

OpenDAA

Field	Value
Distribution	BSS — OpenSOF
Product	OpenSOF
Release	0.15.1
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Purpose

The decision-advantage application layer that combines data, analytics, models and operational workflows into explainable recommendations and actions.

Operational value

Provides many of the useful outcomes associated with large enterprise data platforms without requiring every customer to adopt their full stack.

Differentiators

It is modular, edge-aware and directly connected to the operational representation, tasking and open semantic framework.

Platform connections

- OpenData
- OpenAnalytics
- OpenKnowledge
- OpenTask

Release detection

Status	Score	Evidence items
detected	105	12

Evidence type	Source	Match
path	OPENDAA-OPENANALYTICS.md	opendaa
path	OPENDAA-OPENDATA.md	opendaa
path	.opennetworks-backup-20260827T210646Z/ontology/opendaa-openanalytics.ttl	opendaa
path	.opennetworks-backup-20260827T210646Z/ontology/opendaa-opendata.ttl	opendaa
path	ontology/opendaa-openanalytics.ttl	opendaa
content	API.md	opendaa
content	CHANGELOG.md	opendaa
content	MERGE-v0.13.1.md	opendaa
content	OPENDAA-OPENANALYTICS.md	opendaa
content	OPENDAA-OPENDATA.md	opendaa
path	open-daa/app.js	open-daa
path	open-daa/index.html	open-daa

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

No component-specific environment variable was associated by the scanner.

Service candidates

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

External dependencies/endpoints

Host	URL	Source
host	http://host:8888/	public/open-daa/open-analytics/app.js
jupyter-host	http://jupyter-host:8888/	open-daa/open-analytics/app.js
llm-host	http://llm-host:3000/	open-daa/open-analytics/app.js
loammhpng4.c36.airoapp.ai	https://loammhpng4.c36.airoapp.ai/	API.md
loammhpng4.c36.airoapp.ai	https://loammhpng4.c36.airoapp.ai/	CHANGELOG.md
opensof.local	https://opensof.local/ontology	.opennetworks-backup-20260827T210646Z/ontology/opendaa-openanalytics.ttl
opensof.local	https://opensof.local/ontology	.opennetworks-backup-20260827T210646Z/ontology/opendaa-opendata.ttl
opensof.local	https://opensof.local/ontology	ontology/opendaa-openanalytics.ttl

Host	URL	Source
opensof.local	https://opensof.local/ontology	ontology/opendaa-opendata.ttl
opensof.local	https://opensof.local/ontology/opendaa-openanalytics	.opennetworks-backup-20260827T210646Z/ontology/opendaa-openanalytics.ttl
opensof.local	https://opensof.local/ontology/opendaa-openanalytics	ontology/opendaa-openanalytics.ttl
opensof.local	https://opensof.local/ontology/opendaa-opendata	.opennetworks-backup-20260827T210646Z/ontology/opendaa-opendata.ttl
opensof.local	https://opensof.local/ontology/opendaa-opendata	ontology/opendaa-opendata.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
opensof.local	https://opensof.local/resource/	ontology/opendaa-openanalytics.ttl
opensof.local	https://opensof.local/resource/	ontology/opendaa-opendata.ttl

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