

RDF, SPARQL and Ontology Interfaces

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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	Semantic file/term scan and reference contract
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.

Observed semantic assets

File
<code>.opennetworks-backup-20260827T210646Z/ontology/openaar-mr.ttl</code>

File
.opennetworks-backup-20260827T210646Z/ontology/opencybersec.ttl
.opennetworks-backup-20260827T210646Z/ontology/opensdaa-openanalytics.ttl
.opennetworks-backup-20260827T210646Z/ontology/opensdaa-opendata.ttl
.opennetworks-backup-20260827T210646Z/ontology/openiia.ttl
.opennetworks-backup-20260827T210646Z/ontology/opensof-applications.ttl
.opennetworks-backup-20260827T210646Z/ontology/opensof-core.ttl
.opennetworks-backup-20260827T210646Z/ontology/opensof-ontology.ttl
ontology/opensaar-mr.ttl
ontology/opencybersec.ttl
ontology/opensdaa-openanalytics.ttl
ontology/opensdaa-opendata.ttl
ontology/openiia.ttl
ontology/opennetworks.ttl
ontology/opensof-applications.ttl
ontology/opensof-core.ttl
ontology/opensof-ontology.ttl
third_party/ontowiki/application/config/SysBase.rdf
third_party/ontowiki/extensions/community/insert.sparql
third_party/ontowiki/extensions/datagathering/SchemaSync.rdf
third_party/ontowiki/extensions/exconf/resources/Examples.rdf
third_party/ontowiki/extensions/exconf/resources/PluginRepository.rdf

Observed term indicators

Technology/concept	Occurrences
RDF	4239
OWL	2287
ontology	2031
provenance	271
SPARQL	258
SHACL	143
JSON-LD	18

SPARQL service contract

- Query endpoint, update endpoint and graph naming/version policy.
- Authentication and separate authorization for read, write and ontology administration.
- Timeout, row/result limits, expensive-query controls and audit.
- RDF serialization/content types and stable namespace registry.
- SHACL/constraint validation behavior and treatment of invalid statements.
- Backup/export, provenance and ontology migration procedures.

Example query pattern

```
PREFIX op: <https://example.invalid/openc5isr/ontology/>
SELECT ?entity ?observation ?time
WHERE {
    ?observation a op:Observation ;
                op:observes ?entity ;
                op:observationTime ?time .
}
ORDER BY DESC(?time)
LIMIT 100
```

Replace the placeholder namespace and properties with the governed ontology for this edition.

Maintainer Notes

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

Revision #1

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