

1. node type1 (Only matching with **sws.geonames.org**)

- semantic web: nodeURI owl:sameAS geonameURI
- geonames predicates: gn:name, gn:countryCode, wgs85_pos:lat, wgs84_pos:long, wgs84_pos:alt
- example: <http://linkedgeodata.org/triplify/node358762079>

2. node type2 (matching with **sws.geonames.org** and **DBpedia**)

- semantic web: nodeURI owl:sameAS geonameURI; owl:sameAS DBpediaURI
- dbpedia predicates (various): dbo:elevation, dbp:latD, dbp:longD, dbp:regionCode, rdf:type
- example: <http://linkedgeodata.org/triplify/node358779655>

3. node type3 (linkedgeodata has some information)

```
Prefix lgdr:<http://linkedgeodata.org/triplify/>
Prefix lgdo:<http://linkedgeodata.org/ontology/>
Prefix geom: <http://geovocab.org/geometry#>
Prefix ogc: <http://www.opengis.net/ont/geosparql#>
Prefix owl: <http://www.w3.org/2002/07/owl#>
PREFIX gn:<http://www.geonames.org/ontology#>
```

```
Select * { <http://linkedgeodata.org/triplify/node356498837> ?p ?o .
}
```

p	o
http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://geovocab.org/spatial#Feature

http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://linkedgeodata.org/ontology/Amenity
http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://linkedgeodata.org/meta/Node
http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://linkedgeodata.org/ontology/School
http://purl.org/dc/terms/modified	2009-03-07T01:00:10
http://www.w3.org/2000/01/rdf-schema#label	"Antelope Creek School"
http://www.w3.org/2002/07/owl#sameAs	http://sws.geonames.org/5817240/
http://purl.org/dc/terms/contributor	http://linkedgeodata.org/triplify/user4732
http://linkedgeodata.org/ontology/changeset	"747176"^^<http://www.w3.org/2001/XMLSchema#int>
http://linkedgeodata.org/ontology/version	"1"^^<http://www.w3.org/2001/XMLSchema#int>
http://geovocab.org/geometry#geometry	http://linkedgeodata.org/geometry/node356498837
http://www.w3.org/2003/01/geo/wgs84_pos#lat	42.1994
http://www.w3.org/2003/01/geo/wgs84_pos#long	-105.68
http://linkedgeodata.org/ontology/elevation	2242.0
http://linkedgeodata.org/ontology/gadmSameAs	http://gadm.geovocab.org/services/withinRegion?lat=42.199413&long=-105.67972#point
http://linkedgeodata.org/ontology/gnis%3Acounty_id	"001"
http://linkedgeodata.org/ontology/gnis%3Acreated	"06/05/1979"
http://linkedgeodata.org/ontology/gnis%3Afeature_id	"1584863"
http://linkedgeodata.org/ontology/gnis%3Astate_id	"56"

4. Way (not matching with **sws.geonames.org**)

<http://linkedgeodata.org/triplify/way134459324>

Select * {?s ?p ?o.

FILTER regex (?s, "/way"))LIMIT 100

Select * {<<http://linkedgeodata.org/triplify/way134459324>> ?p ?o.

}LIMIT 100

<http://linkedgeodata.org/triplify/way37353338>

p	o
http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://geovocab.org/spatial#Feature
http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://linkedgeodata.org/meta/Way
http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://linkedgeodata.org/ontology/AerialwayThing
http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://linkedgeodata.org/ontology/ChairLift
http://purl.org/dc/terms/modified	2011-02-27T20:38:09
http://www.w3.org/2000/01/rdf-schema#label	"Black Mountain Express"
http://purl.org/dc/terms/contributor	http://linkedgeodata.org/ontology/user113624
http://linkedgeodata.org/ontology/change	"7414641"^^< http://www.w3.org/2001/XMLSchema >

t	LSchema#int>
http://linkedgeodata.org/ontology/version	"2"^^<http://www.w3.org/2001/XMLSchema#int>
http://geovocab.org/geometry#geometry	http://linkedgeodata.org/geometry/way37353338
http://linkedgeodata.org/ontology/aerialway%3Aoccupancy	"4"

<http://linkedgeodata.org/geometry/way37353338>

http://www.opengis.net/ont/geosparql#asWKT	"LINESTRING(-105.8706644 39.6339759,-105.8722922 39.6415782)"^^<http://www.openlinksw.com/schemas/virtrdf#Geometry>
---	---

Example of node type 1

Prefix lgdr:<http://linkedgeodata.org/triplify/> Prefix lgdo:<http://linkedgeodata.org/ontology/> Prefix geom: <http://geovocab.org/geometry#> Prefix ogc: <http://www.opengis.net/ont/geosparql#> Prefix owl: <http://www.w3.org/2002/07/owl#> PREFIX gn:<http://www.geonames.org/ontology#> Select * { <http://linkedgeodata.org/triplify/node358762079> ?p ?o . }	
p	o

http://www.w3.org/2002/07/owl#sameAs	http://sws.geonames.org/5559917/
http://www.w3.org/2002/07/owl#sameAs	http://sws.geonames.org/5559921/
http://www.w3.org/2002/07/owl#sameAs	http://sws.geonames.org/5559954/

#

Select * {

?s owl:sameAs ?geo .

?geo **gn:name** "Black Mountain".

}

sws.geonames.org RDF example

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<rdf:RDF xmlns:cc="http://creativecommons.org/ns#"
xmlns:dcterms="http://purl.org/dc/terms/" xmlns:foaf="http://xmlns.com/foaf/0.1/"
xmlns:gn="http://www.geonames.org/ontology#"
xmlns:owl="http://www.w3.org/2002/07/owl#"
xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
xmlns:wgs84_pos="http://www.w3.org/2003/01/geo/wgs84_pos#"
  <gn:Feature rdf:about="https://sws.geonames.org/5559917/">
    <rdfs:isDefinedBy rdf:resource="https://sws.geonames.org/5559917/about.rdf"/>
    <gn:name>Black Mountain</gn:name>
    <gn:featureClass rdf:resource="https://www.geonames.org/ontology#T"/>
    <gn:featureCode rdf:resource="https://www.geonames.org/ontology#T.MT"/>
    <gn:countryCode>US</gn:countryCode>
    <wgs84_pos:lat>40.59295</wgs84_pos:lat>
    <wgs84_pos:long>-120.72912</wgs84_pos:long>
    <wgs84_pos:alt>1919</wgs84_pos:alt>
    <gn:parentFeature rdf:resource="https://sws.geonames.org/5566544/">
```

```

    <gn:parentCountry rdf:resource="https://sws.geonames.org/6252001/" />
    <gn:parentADM1 rdf:resource="https://sws.geonames.org/5332921/" />
    <gn:parentADM2 rdf:resource="https://sws.geonames.org/5566544/" />
    <gn:nearbyFeatures
rdf:resource="https://sws.geonames.org/5559917/nearby.rdf" />
    <gn:locationMap rdf:resource="https://www.geonames.org/5559917/black-
mountain.html" />
  </gn:Feature>
  <foaf:Document rdf:about="https://sws.geonames.org/5559917/about.rdf">
    <foaf:primaryTopic rdf:resource="https://sws.geonames.org/5559917/" />
    <cc:license rdf:resource="https://creativecommons.org/licenses/by/4.0/" />
    <cc:attributionURL rdf:resource="https://www.geonames.org" />
    <cc:attributionName
rdf:datatype="https://www.w3.org/2001/XMLSchema#string">GeoNames</cc:attributio
nName>
    <dcterms:created
rdf:datatype="https://www.w3.org/2001/XMLSchema#date">2006-01-
15</dcterms:created>
  </foaf:Document>
</rdf:RDF>

```

Example of node type 2

```

Prefix lgdr:<http://linkedgeodata.org/triplify/>
Prefix lgdo:<http://linkedgeodata.org/ontology/>
Prefix geom: <http://geovocab.org/geometry#>
Prefix ogc: <http://www.opengis.net/ont/geosparql#>
Prefix owl: <http://www.w3.org/2002/07/owl#>
PREFIX gn:<http://www.geonames.org/ontology#>

Select * { <http://linkedgeodata.org/triplify/node358779655> ?p ?o .

```

}

p	o
http://www.w3.org/2002/07/owl#sameAs	http://dbpedia.org/resource/Amboy_Crater
http://www.w3.org/2002/07/owl#sameAs	http://sws.geonames.org/5323669/