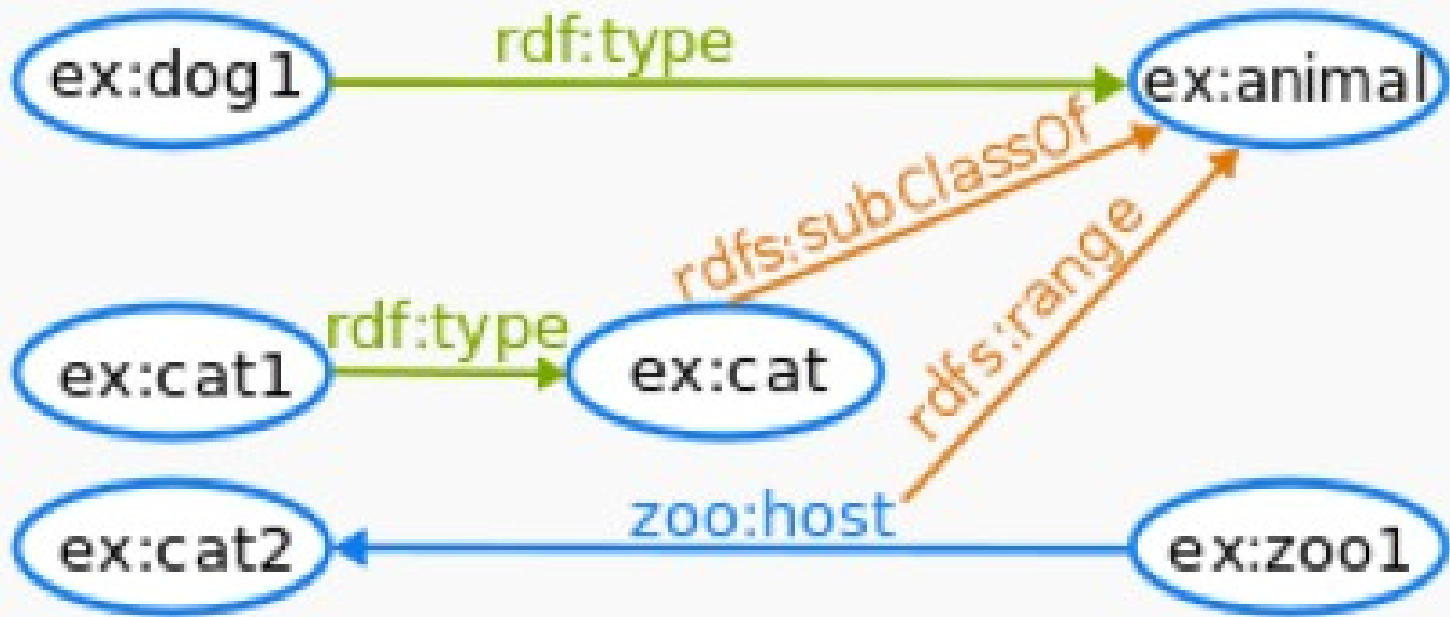


Turtle



RDF special terms

RDFS special terms

In RDF

```
<owl:Class rdf:about="#animals"/>
```

```
<owl:Class rdf:about="#cats">
```

```
  <rdfs:subClassOf rdf:resource="#animals"/>
```

```
</owl:Class>
```

```
<owl:ObjectProperty rdf:about="#hosts">
```

```
  <rdfs:range rdf:resource="#animals"/> </owl:ObjectProperty>
```

```
<owl:Thing rdf:about="#cat1">
```

```
  <rdf:type rdf:resource="#cats"/> </owl:Thing>
```

```
<animals rdf:about="#dog1">
```

```
  <rdf:type rdf:resource="#owl:Thing"/> </animals>
```

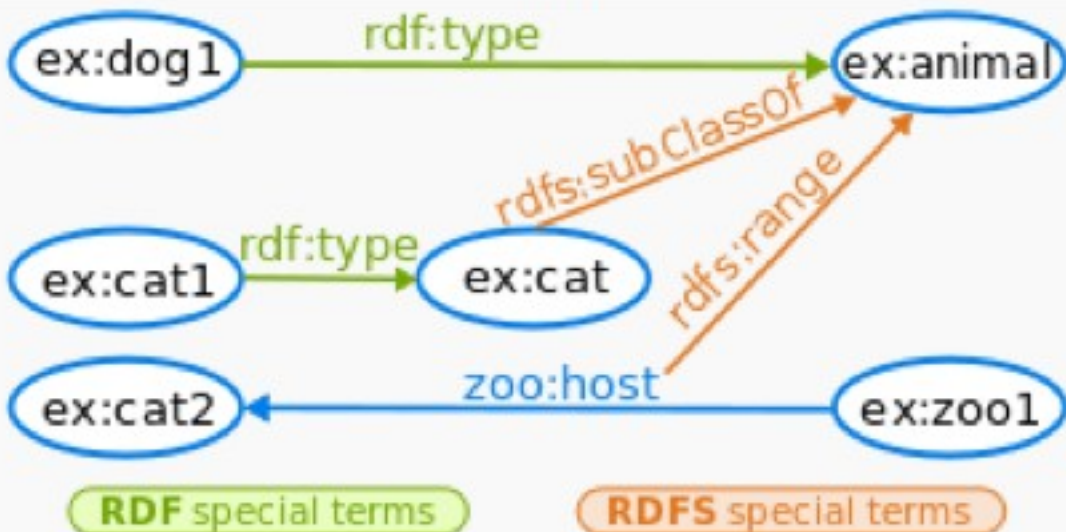
```
<owl:Thing rdf:about="#zoo1">
```

```
  <hosts rdf:resource="#cat2"/></owl:Thing>
```

In english

- Dog1 is an animal
- Cat1 is a cat
- Cats are animals
- Zoos host animals
- Zoo1 hosts the Cat2

The graph



RDF/turtle

```
@PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> .
@PREFIX ex: <http://example.org/> .
@PREFIX zoo: <http://example.org/zoo/> .
ex:dog1 rdf:type ex:animal .
ex:cat1 rdf:type ex:cat .
ex:cat rdfs:subClassOf ex:animal .
zoo:host rdfs:range ex:animal .
ex:zoo1 zoo:host ex:cat2 .
```

```
PREFIX ex: <http://example.org/>  
SELECT ?animal  
WHERE  
  { ?animal a ex:animal . }
```

animal
<http://example.org/dog1>
<http://example.org/cat1>
<http://example.org/cat2>