

Property with multiple domains and ranges



Showing the property named *has* has multiple domains: Person and Cat Owner

ObjectUnionOf

A key thing to note here is:

```
ObjectPropertyDomain(:has ObjectUnionOf(:CatOwner :Person))
ObjectPropertyRange(:has ObjectUnionOf(:Cat :Pet))
```

This shows that a property which has multiple domains is exported as a union of all the domains and ranges.

```
Ontology(<http://example.com/ontology/Unnamed>
Annotation(rdfs:label "Example"^^xsd:string)

Declaration(Class(:Cat))
Declaration(Class(:CatOwner))
Declaration(Class(:Person))
Declaration(Class(:Pet))
Declaration(ObjectProperty(:has))

#####
#   Object Properties
#####

# Object Property: :has (:has)

ObjectPropertyDomain(:has ObjectUnionOf(:CatOwner :Person))
ObjectPropertyRange(:has ObjectUnionOf(:Cat :Pet))

#####
#   Classes
#####

# Class: :Cat (:Cat)

SubClassOf(:Cat :Pet)

# Class: :CatOwner (Cat Owner)

AnnotationAssertion(rdfs:label :CatOwner "Cat Owner"^^xsd:string)
SubClassOf(:CatOwner :Person)

)
```