

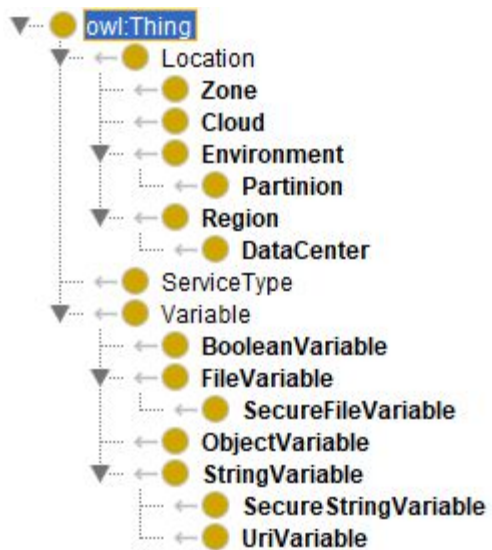
# Онтология переменных для конфигурации микросервисных приложений

# Описание

Архитектура микросервисных приложений состоит из множества компонентов, локаций, дата-центров, регионов, где они должны быть развёрнуты (Dev, Stage, Pro)

Для удобного описания переменных значений для сервисов стандартные средства (табличные базы данных, kv-хранилища) не подходят, так как модель данных в них плохо масштабируется.

# Типы



# Свойства



Found 20 uses of hasLocation

- hasLocation**
  - hasLocation SubPropertyOf owl:topObjectProperty
  - ObjectProperty: hasLocation
  - hasLocation Domain hasLocation some Variable
  - hasLocation Range hasLocation some Location
- hasName**
  - hasName Domain hasLocation some Variable
- hasServiceType**
  - hasServiceType Domain hasLocation some Variable

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**Character:** [?] [I] [B] [O] [X]

**Description:** hasLocation [?] [I] [B] [O] [X]

☐ Functional

☐ Inverse functional

☐ Transitive

☐ Symmetric

☐ Asymmetric

☐ Reflexive

☐ Irreflexive

Equivalent To +

SubProperty Of +  
**owl:topObjectProperty**

Inverse Of +

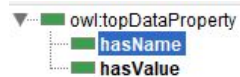
Domains (intersection) +  
**hasLocation some Variable**

Ranges (intersection) +  
**hasLocation some Location**

Disjoint With +

SuperProperty Of (Chain) +

# Свойства



Characteristics

Description: hasName

☐ Functional

Equivalent To +

SubProperty Of +

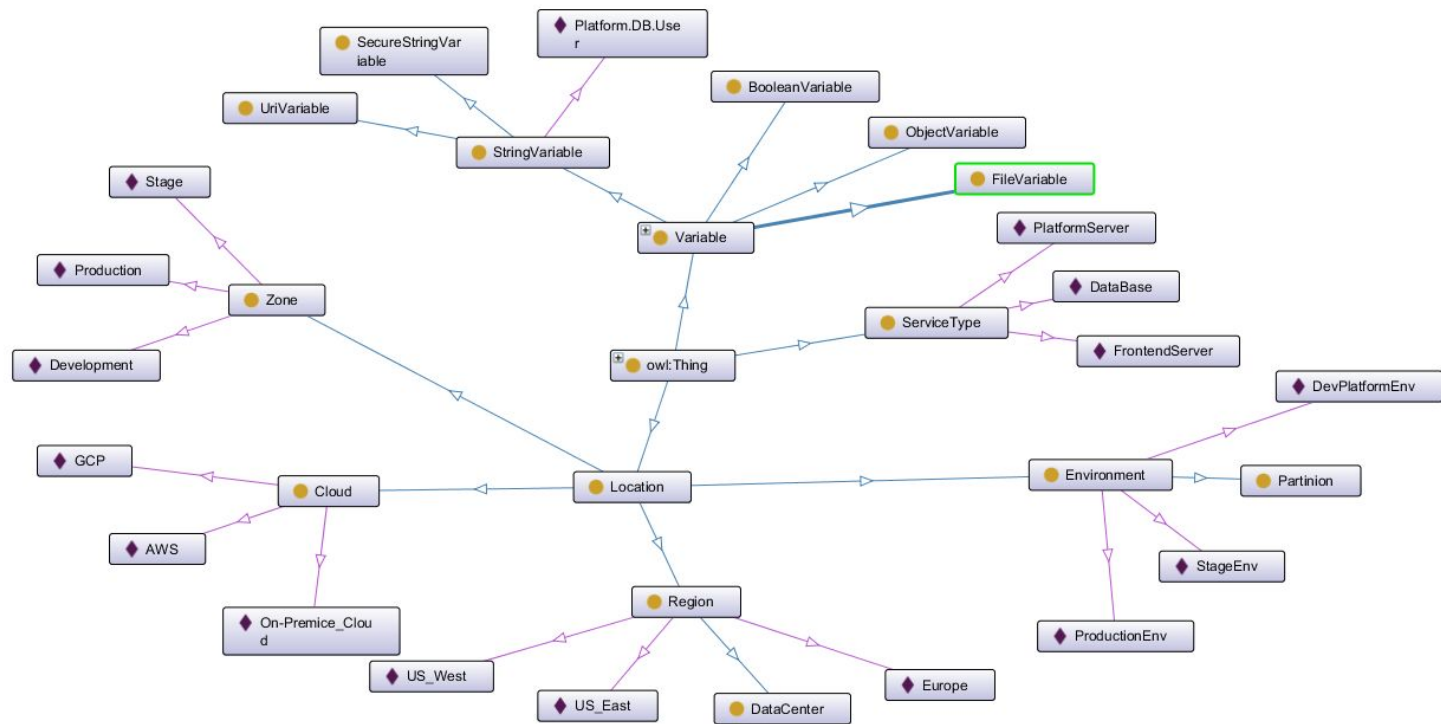
owl:topDataProperty

Domains (intersection) +

hasLocation some Variable

Ranges +

xsd:string



# Свойства

ex:Location

ex:hasLocation

ex:ServiceType

ex:hasServiceType

ex:Value

ex:hasValue

rdf:type

rdf:type

rdfs:domain

rdfs:range

rdf:type

rdf:type

rdfs:domain

rdfs:range

rdf:type

rdf:type

rdfs:domain

rdfs:range

owl:Class

owl:ObjectProperty

ex:Variable

xsd:Location

owl:Class

owl:ObjectProperty

ex:Variable

xsd:ServiceType

owl:Class

owl:ObjectProperty

ex:Variable

xsd:string

# Экземпляры свойств

ex:TWH

rdf:type

ex:ServiceType

ex:Pro

rdf:type

ex:Location

ex:Stage

rdf:type

ex:Location

ex:Dev

rdf:type

ex:Location

ex:AmazonUSWest

rdf:type

ex:Location

ex:AmazonUSEast

rdf:type

ex:Location



# Примеры

ex:TWH.User

rdf:type  
ex:hasName  
ex:hasServiceType  
ex:hasValue  
ex:hasLocation  
ex:hasLocation

ex:StringVariable  
“TWH.User”^^xsd:string  
ex:TWH  
“some.user”^^xsd:string  
ex:Pro

ex:TWH.User-123

rdf:type  
ex:hasName  
ex:hasServiceType  
ex:hasValue  
ex:hasLocation

ex:StringVariable  
“TWH.User”^^xsd:string  
ex:TWH  
“dev.user”^^xsd:string  
ex:Dev

# Типы

ex:Variable

ex:StringVariable

ex:BooleanVariable

ex:UriVariable

ex:SecureStringVariable

ex:hasName

rdf:type

rdfs:subClassOf

rdfs:subClassOf

rdfs:subClassOf

rdfs:subClassOf

rdf:type

rdfs:domain

rdfs:range

owl:Class

ex:Variable

ex:Variable

ex:StringVariable

ex:StringVariable

owl:DatatypeProperty

ex:Variable

xsd:string