API configurations

model(name=None, **hints):

Used for decorating classes that are API models.
examples:
@model
class Entity:
Name = String
@model(name=Entity)
class Entity2(Entity):
NewProperty = Integer
@param name: string|None
Provide a name under which the model will be known. If not provided the name of the model is the class name.
@param hints: key word arguments
Provides hints for the model, the available hints are
id – used for defining the model id
domain – used for placing the model on a specific domain

criteria(main=None):

Used for decorating classes that are API criteria's.
examples:
@criteria(main='order')
class OrderBy:
order = bool
@param main: string|None
Provide the name of the property that is to be considered the main property for the criteria. The main property is the property used whenever the criteria is used without a property. If the main property is None then it will be inherited if is the case from super criteria's otherwise is left unset.

query():

Used for decorating classes that are API queries.
examples:
@query
class ThemeQuery:
name = OrderBy

service(generic=None):

Used for decorating classes that are API services.
examples:
@service
class IEntityService:
@call(Number, Entity.x)
def multipy(self, x):

@service((Entity, Issue))
class IInheritingService(IEntityService):
@call(Number, Issue.x)
def multipy(self, x):
@param generic: tuple|list((genericClass, replaceClass)|[...(genericClass, replaceClass)])
The classes of that will be generically replaced. Can also be provided as arguments.

*call(types=None, **hints):*

Used for decorating service methods that are used as APIs.
examples:
Using the annotations:
@call
def updateX(self, x:int)->None:
doc string
<no method body required>
Using specified types:
@call(Entity, Entity.x, String, webName='unassigned')
def findBy(self, x, name):
doc string
<no method body required>
@call(Entity, Entity, OtherEntity, method=UPDATE)
def assign(self, entity, toEntity):
doc string
<no method body required>
@param types: tuple|list(Type|Type reference)
On the first position it will be considered the output type then the input types expected for the service call. Can also be provided as arguments.
@param hints: key arguments
Provides hints for the call, supported parameters:
@keyword exposed: boolean
Indicates that the call is exposed for external interactions, usually all defined methods in a service that are not decorated with call are considered unexposed calls.
@keyword method: integer
One of the config module constants GET, INSERT, UPDATE, DELETE.