创建Cinder-API核心资源

核心资源的python文件在 /cinder/api/v2/ 目录下面。Cinder-API的核心资源包括：volumes，types，snapshots，limits等。核心资源在Cinder-API启动时通过/etc/cinder/api-paste.ini文件中定义的APIRouter类进行加载。

新增核心资源：

1. 创建核心资源的Controller类

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| *# -\*- coding:utf-8 -\*-*  *from oslo\_log import log as logging*  *import webob.exc*  *from cinder.api.openstack import wsgi*  *LOG = logging.getLogger(\_\_name\_\_)*  *class RuijieController(wsgi.Controller):*  *def \_\_init\_\_(self, ext\_mgr):*  *self.ext\_mgr = ext\_mgr*  *super(RuijieController, self).\_\_init\_\_()*  *def index(self, req):*  *"""对应GET /v2/< tenant\_id >/ruijies"""*  *LOG.debug("GET Request : {0}".format(req))*  *return webob.Response(status\_int=202)* |

1. 在对应的python文件中创建静态方法create\_resource，该方法返回一个Controller实例。

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| *def create\_resource(ext\_mgr):*  **return wsgi.Resource(RuijieController(ext\_mgr))** |

1. 创建新的Router类，该类型用来追加我们新添加的核心资源

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| # -\*- coding:utf-8 -\*- from cinder.api.v2 import router from cinder.api.v2 import ruijie\_demo  class RuijieAPIRouter(router.APIRouter):  *"""定义新的Router类型，该类型用来追加我们新添加的核心资源"""*  def \_setup\_routes(self, mapper, ext\_mgr):  super(RuijieAPIRouter,self).\_setup\_routes(mapper=mapper,ext\_mgr=ext\_mgr)  self.resources['ruijies'] = ruijie\_demo.create\_resource(ext\_mgr)  mapper.resource("ruijie", "ruijies",  controller=self.resources['ruijies'],  collection={'detail': 'GET'},  member={'action': 'POST'}  ) |

1. 修改配置文件/etc/cinder/api-paste.ini，用新定义的RuijieAPIRouter替换原有的cinder.api.v2.router.APIRouter

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| [app:apiv2]  #paste.app\_factory = cinder.api.v2.router:APIRouter.factory  paste.app\_factory = cinder.api.v2.ruijie\_router:RuijieAPIRouter.factory |