

Rackspace Cloud Big Data

Getting Started Guide

API v1.0 Early Access (Sep 16, 2013)

Early Access


```
</endpoint>
<endpoint region="ORD" tenantId="1100111"
  publicURL="https://ord.servers.api.rackspacecloud.com/v2/1100111">
  <version id="2" info="https://ord.servers.api.rackspacecloud.com/v2/"
    list="https://ord.servers.api.rackspacecloud.com/" />
</endpoint>
</service>
<service type="compute" name="cloudServers">
  <endpoint tenantId="1100111"
    publicURL="https://servers.api.rackspacecloud.com/v1.0/1100111">
  <version id="1.0"
    info="https://servers.api.rackspacecloud.com/v1.0/"
    list="https://servers.api.rackspacecloud.com/" />
</endpoint>
</service>
<service type="object-store" name="cloudFiles">
  <endpoint region="DFW"
    tenantId="MossoCloudFS_aaaaaaaaa-bbbb-cccc-dddd-eeeeeeee"
    publicURL="https://storage101.dfw1.clouddrive.com/v1/
MossoCloudFS_aaaaaaaaa-bbbb-cccc-dddd-eeeeeeee"
    internalURL="https://snet-storage101.dfw1.clouddrive.com/v1/
MossoCloudFS_aaaaaaaaa-bbbb-cccc-dddd-eeeeeeee" />
  <endpoint region="ORD"
    tenantId="MossoCloudFS_aaaaaaaaa-bbbb-cccc-dddd-eeeeeeee"
    publicURL="https://storage101.ord1.clouddrive.com/v1/
MossoCloudFS_aaaaaaaaa-bbbb-cccc-dddd-eeeeeeee"
    internalURL="https://snet-storage101.ord1.clouddrive.com/v1/
MossoCloudFS_aaaaaaaaa-bbbb-cccc-dddd-eeeeeeee" />
</service>
<service type="rax:object-cdn" name="cloudFilesCDN">
  <endpoint region="DFW"
    tenantId="MossoCloudFS_aaaaaaaaa-bbbb-cccc-dddd-eeeeeeee"
    publicURL="https://cdn1.clouddrive.com/v1/MossoCloudFS_aaaaaaaaa-bbbb-
cccc-dddd-eeeeeeee" />
  <endpoint region="ORD"
    tenantId="MossoCloudFS_aaaaaaaaa-bbbb-cccc-dddd-eeeeeeee"
    publicURL="https://cdn2.clouddrive.com/v1/MossoCloudFS_aaaaaaaaa-bbbb-
cccc-dddd-eeeeeeee" />
</service>
<service type="rax:dns" name="cloudDNS">
  <endpoint tenantId="1100111"
    publicURL="https://dns.api.rackspacecloud.com/v1.0/1100111" />
</service>
</serviceCatalog>
</access>
```

Example 4.5. Authenticate Response: JSON

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
Content-Length: 477
Date: Thu, 12 Apr 2012 18:45:13 GMT
```

```
{
  "access": {
    "token": {
      "expires": "2011-12-08T22:51:02.000-06:00",
      "id": "vvvvvvvv-wwww-xxxx-yyyy-zzzzzzzzzzzz"
    },
  },
}
```

```
    "user": {
      "id": "123456",
      "name": "jsmith",
      "RAX-AUTH:defaultRegion": "DFW",
      "roles": [
        {
          "description": "Admin Role.",
          "id": "identity:admin",
          "name": "identity:admin"
        },
        {
          "description": "Default Role.",
          "id": "identity:default",
          "name": "identity:default"
        }
      ]
    },
    "serviceCatalog": [
      {
        "endpoints": [
          {
            "publicURL": "https://dfw.bigdata.api.rackspacecloud.com/v1.0/1100111",
            "region": "DFW",
            "tenantId": "1100111"
          }
        ],
        "name": "cloudBigData",
        "type": "rax:bigdata"
      },
      {
        "endpoints": [
          {
            "publicURL": "https://dfw.loadbalancers.api.rackspacecloud.com/v1.0/1100111",
            "region": "DFW",
            "tenantId": "1100111"
          },
          {
            "publicURL": "https://ord.loadbalancers.api.rackspacecloud.com/v1.0/1100111",
            "region": "ORD",
            "tenantId": "1100111"
          }
        ],
        "name": "cloudLoadBalancers",
        "type": "rax:load-balancer"
      },
      {
        "endpoints": [
          {
            "tenantId": "1100111",
            "region": "DFW",
            "publicURL": "https://dfw.servers.api.rackspacecloud.com/v2/1100111",
            "versionId": "2",
            "versionInfo": "https://dfw.servers.api.rackspacecloud.com/v2/"
          }
        ]
      }
    ]
  }
}
```



```

        "versionList": "https://dfw.servers.api.
rackspacecloud.com/"
      },
      {
        "tenantId": "1100111",
        "region": "ORD",
        "publicURL": "https://ord.servers.api.rackspacecloud.
com/v2/1100111",
        "versionId": "2",
        "versionInfo": "https://ord.servers.api.
rackspacecloud.com/v2/",
        "versionList": "https://ord.servers.api.
rackspacecloud.com/"
      }
    ],
    "name": "cloudServersOpenStack",
    "type": "compute"
  },
  {
    "endpoints": [
      {
        "tenantId": "1100111",
        "publicURL": "https://servers.api.rackspacecloud.com/
v1.0/1100111",
        "versionId": "1.0",
        "versionInfo": "https://servers.api.rackspacecloud.
com/v1.0/",
        "versionList": "https://servers.api.rackspacecloud.
com/"
      }
    ],
    "name": "cloudServers",
    "type": "compute"
  },
  {
    "endpoints": [
      {
        "tenantId": "MossoCloudFS_aaaaaaaa-bbbb-cccc-dddd-
eeeeeeee",
        "publicURL": "https://storage101.dfw1.clouddrive.com/
v1/MossoCloudFS_aaaaaaaa-bbbb-cccc-dddd-eeeeeeee",
        "internalURL": "https://snet-storage101.dfw1.
clouddrive.com/v1/MossoCloudFS_aaaaaaaa-bbbb-cccc-dddd-eeeeeeee",
        "region": "DFW"
      },
      {
        "tenantId": "MossoCloudFS_aaaaaaaa-bbbb-cccc-dddd-
eeeeeeee",
        "publicURL": "https://storage101.ord1.clouddrive.com/
v1/MossoCloudFS_aaaaaaaa-bbbb-cccc-dddd-eeeeeeee",
        "internalURL": "https://snet-storage101.ord1.
clouddrive.com/v1/MossoCloudFS_aaaaaaaa-bbbb-cccc-dddd-eeeeeeee",
        "region": "ORD"
      }
    ],
    "name": "cloudFiles",
    "type": "object-store"
  },
  {
    "endpoints": [

```



```
    "vcpus": 1
  },
  {
    "disk": 512,
    "id": "518400b2-7c76-11e2-b737-beeffa00040e",
    "links": [
      { "href": "http://dfw.bigdata.api.rackspacecloud.com/v1.0/1234/flavors/518400b2-7c76-11e2-b737-beeffa00040e",
        "rel": "self"
      },
      { "href": "http://dfw.bigdata.api.rackspacecloud.com/1234/flavors/518400b2-7c76-11e2-b737-beeffa00040e",
        "rel": "bookmark"
      }
    ],
    "name": "Small Hadoop Instance",
    "ram": 8192,
    "vcpus": 2
  },
  {
    "disk": 1024,
    "id": "5413894c-7c76-11e2-b737-beeffa00040e",
    "links": [
      { "href": "http://dfw.bigdata.api.rackspacecloud.com/v1.0/1234/flavors/5413894c-7c76-11e2-b737-beeffa00040e",
        "rel": "self"
      },
      { "href": "http://dfw.bigdata.api.rackspacecloud.com/1234/flavors/5413894c-7c76-11e2-b737-beeffa00040e",
        "rel": "bookmark"
      }
    ],
    "name": "Medium Hadoop Instance",
    "ram": 15360,
    "vcpus": 4
  },
  {
    "disk": 2000,
    "id": "559dd2b8-7c76-11e2-b737-beeffa00040e",
    "links": [
      { "href": "http://dfw.bigdata.api.rackspacecloud.com/v1.0/1234/flavors/559dd2b8-7c76-11e2-b737-beeffa00040e",
        "rel": "self"
      },
      { "href": "http://dfw.bigdata.api.rackspacecloud.com/1234/flavors/559dd2b8-7c76-11e2-b737-beeffa00040e",
        "rel": "bookmark"
      }
    ],
    "name": "Large Hadoop Instance",
    "ram": 27648,
    "vcpus": 8
  }
] }
```

4.5.2. Creating a Cluster

The Create Cluster operation creates a new Hadoop cluster. After you submit the operation, it takes a few minutes for the service to build and configure your cluster.

