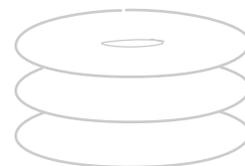


Rackspace API Key Authentication



DRAFT



1. About This Extension

Name	Rackspace API Key Authentication Service Extension
Namespace	http://docs.rackspace.com/identity/api/ext/RAX-KSKEY/v1.0
Alias	RAX-KSKEY-service
Dependencies	Keystone - OpenStack Identity
Doc Link (PDF)	https://github.com/openstack/keystone/raw/master/keystone/content/service/RAX-KSKEY-service-devguide.pdf
Doc Link (WADL)	None, the extension makes no modification to the API WADL.
Doc Link (XSD)	https://raw.github.com/openstack/keystone/master/keystone/content/service/xsd/RAX-KSKEY-credentials.xsd
Short Description	Rackspace extensions to Keystone v2.0 API enabling API Key authentication.

Example 1.1. Extension Query Response: XML

```
<?xml version="1.0" encoding="UTF-8"?>
<extension xmlns="http://docs.openstack.org/common/api/v2.0"
  xmlns:atom="http://www.w3.org/2005/Atom"
  name="Rackspace API Key authentication" namespace="http://docs.
rackspace.com/identity/api/ext/RAX-KSKEY/v1.0"
  alias="RAX-KSKEY-service"
  updated="2011-08-14T13:25:27-06:00">
  <description>
    Rackspace extensions to Keystone v2.0 API
    enabling API Key authentication.
  </description>
  <atom:link rel="describedby" type="application/pdf"
    href="https://github.com/openstack/keystone/raw/
master/keystone/content/service/RAX-KSKEY-service-devguide.pdf"/>
</extension>
```

Example 1.2. Extension Query Response: JSON

```
{
  "extension": {
    "name": "Rackspace API Key Authentication",
    "namespace": "http://docs.rackspace.com/identity/api/ext/RAX-KSKEY/v1.0",
    "alias": "RAX-KSKEY-service",
    "updated": "2011-08-14T13:25:27-06:00",
    "description": "Rackspace extensions to Keystone v2.0 API enabling API Key
authentication.",
    "links": [ {
      "rel": "describedby",
      "type": "application/pdf",
      "href": "https://github.com/openstack/keystone/raw/master/keystone/
content/service/RAX-KSKEY-service-devguide.pdf"
    } ]
  }
}
```

1.1. Document Change History

Revision Date	Summary of Changes
Aug. 24, 2011	• Initial release.

The Keystone Service is a ReSTful web service. It is the entry point to all service APIs. To access the Keystone Service, you must know URL of the Keystone service.

Example 2.1. XML Auth Request using apikeyCredentials

```
<?xml version="1.0" encoding="UTF-8"?>
<auth xmlns="http://docs.openstack.org/identity/api/v2.0">
  <apikeyCredentials
    xmlns="http://docs.rackspace.com/identity/api/ext/RAX-KSKEY/v1.0"
    username="testuser"
    apikey="aaaaa-bbbbb-cccc-12345678" />
</auth>
```

Example 2.2. JSON Auth Request using apikeyCredentials

```
{
  "auth": {
    "RAX-KSKEY:apikeyCredentials": {
      "username": "test_user",
      "apikey": "aaaaa-bbbbb-cccc-12345678"
    }
  }
}
```

Example 2.3. XML Auth Response

```
<?xml version="1.0" encoding="UTF-8"?>
<auth xmlns="http://docs.openstack.org/identity/api/v2.0">
  <token expires="2010-11-01T03:32:15-05:00"
    id="ab48a9efdfedb23ty3494" />
  <serviceCatalog>
    <service type="compute" name="Computers in the Cloud">
      <endpoint
        region="North"
        tenantId="1234"
        publicURL="https://north.compute.public.com/v2.0/1234"
        internalURL="https://north.compute.internal.com/v2.0/1234">
        <version
          id="2.0"
          info="https://north.compute.public.com/v2.0/"
          list="https://north.compute.public.com/" />
        </endpoint>
      <endpoint
        region="South"
        tenantId="3456"
        publicURL="https://south.compute.public.com/v2.0/3456"
        internalURL="https://south.compute.internal.com/v2.0/3456">
        <version
          id="2.0"
          info="https://south.compute.public.com/v2.0/"
          list="https://south.compute.public.com/" />
        </endpoint>
      </service>
    <service type="object-store" name="HTTP Object Store">
      <endpoint
        region="North"
        tenantId="1234">
```

```

    publicURL="https://north.object-store.public.com/v1/1234"
    internalURL="https://north.object-store.internal.com/v1/
1234">
  <version
    id="1"
    info="https://north.object-store.public.com/v1/"
    list="https://north.object-store.public.com/" />
  </endpoint>
  <endpoint
    region="South"
    tenantId="3456"
    publicURL="https://south.object-store.public.com/v2.0/
3456"
    internalURL="https://south.object-store.internal.com/v2.0/
3456">
    <version
      id="2.0"
      info="https://south.object-store.public.com/v1/"
      list="https://south.object-store.public.com/" />
    </endpoint>
  </service>
  <service type="dns" name="DNS-as-a-Service">
    <endpoint
      publicURL="https://dns.public.com/v2.0/blah-blah">
    <version
      id="2.0"
      info="https://dns.public.com/v2.0/"
      list="https://dns.public.com/" />
    </endpoint>
  </service>
</serviceCatalog>
</auth>

```

Example 2.4. JSON Auth Response

```

{
  "auth": {
    "token": {
      "id": "asdasdasd-adsasdadads-asdasdasd-adsadsasd",
      "expires": "2010-11-01T03:32:15-05:00"
    },
    "serviceCatalog": [
      {
        "name": "Cloud Servers",
        "type": "compute",
        "endpoints": [
          {
            "publicURL": "https://compute.north.host/v1/1234",
            "internalURL": "https://compute.north.host/v1/1234",
            "region": "North",
            "tenantId": "1234",
            "versionId": "1.0",
            "versionInfo": "https://compute.north.host/v1.0/",
            "versionList": "https://compute.north.host/"
          },
          {
            "publicURL": "https://compute.north.host/v1.1/3456",
            "internalURL": "https://compute.north.host/v1.1/3456",
            "region": "North",
            "tenantId": "3456",
            "versionId": "1.1",

```

```
        "versionInfo": "https://compute.north.host/v1.1/",
        "versionList": "https://compute.north.host/"
      }
    ],
    {
      "name": "Cloud Files",
      "type": "object-store",
      "endpoints": [
        {
          "publicURL": "https://compute.north.host/v1/blah-blah",
          "internalURL": "https://compute.north.host/v1/blah-blah",
          "region": "South",
          "tenantId": "1234",
          "versionId": "1.0",
          "versionInfo": "uri",
          "versionList": "uri"
        }, {
          "publicURL": "https://compute.north.host/v1.1/blah-blah",
          "internalURL": "https://compute.north.host/v1.1/blah-blah",
          "region": "South",
          "tenantId": "3456",
          "versionId": "1.1",
          "versionInfo": "https://compute.north.host/v1.1/",
          "versionList": "https://compute.north.host/"
        }
      ],
      "endpoint_links": [
        {
          "rel": "next",
          "href": "https://identity.north.host/v2.0/endpoints?marker=2"
        }
      ]
    }
  ],
  "serviceCatalog_links": [
    {
      "rel": "next",
      "href": "https://identity.host/v2.0/endpoints?session=2hfh8Ar&marker=
2"
    }
  ]
}
```