

Introduction (WC)

The ComputeNext Web Services REST API is an Application Programming Interface (API) designed to search for, provision, manage and control cloud computing resources from the ComputeNext Marketplace.

Concepts

Customers can search and browse [Cloud Resources](#) available in the marketplace from multiple cloud providers.

The resources can be provisioned as [Instances](#). Applications are typically deployed as dependent services.

A [Workload](#) is a grouping or collection of multiple cloud resources that captures the description of the services a customer needs. It includes the details and configuration of the services, their dependencies and desired service-level expectations. The workload is also the entity that facilitates management and control of provisioned instances.

API endpoint

The ComputeNext API is available on the base URL:

```
<https://cws.computenext.com/api/>
```

The section [Resources](#) gives examples of making resource queries based on this base URL above.

API Versions

The latest API version is 2.0. It is accessible via the base URL shown above though user authentication is required.

Authentication

The API supports HTTP Basic Authentication method using API Key and Secret Key. See [Introduction \(WC\)#Obtaining API Keys](#) for information on creating API Keys for your ComputeNext account.

HTTP Basic Authentication is done with the *Authorization* header. The value of the header is base64 encoded value with a colon-separated, concatenated string of API Key and Secret Key. For example the API key 11111111-1111-1111-1111-111111111111 and Secret key of 22222222-2222-2222-2222-222222222222, the base64 encoding generates the following header entry:

```
Authorization: Basic
MTEzMTEzMTEtMTExMS0xMTExLTExMTEtMTExMTExMTExMTExOjIyMjIyMjIyLTlIyMjItMjIy
Mi0yMjIyLTlIyMjIyMjIyMjIyMg==
```

When customer transacts from reseller portal it involves two steps :

1. Get customer token by passing customerid, userid, apikey, secret

Request :

```
{
  "APIKEY" : "[key]",
  "APISECRET" : "[secret]",
```

```
"customerId" : "[customerId]",  
"userId" : "[userId]"  
}
```

Response :

```
{  
  "token" : "[customerToken]"  
}
```

2. Send request data by passing customertoken in subsequent calls

Obtaining API Keys

Customize this section to indicate the links and/or methods to obtain API Keys from the distributor / marketplace owner.

The API Keys are currently generated by the ComputeNext Support Team. To get a key please send an email requesting an API Key to support@computenext.com