Computers and Keys API

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Overview

The Computers API is a service that provides information to IT suppliers on what are the available computers in the market using an HTTP request.

On the other hand, the Keys API will let you register as a computer creator in which you can create computers using an HTTP request as well.

Audience

This documentation is designed for people familiar with HTTP request and curl commands.

API

To access the API, you need to have accessibilities first. This is when Keys API comes. Keys API registers users and attaches access rights to it. There are three types of access rights:

Access Rights	What can it do?
IT Supplier	Retrieves available computers from a specific maker with a model
Big IT Supplier	Retrieves available computers from a specific maker with a model Retrieves available computers from a specific maker only
Computer Creator	Creates a computer

For Keys API

The available endpoint is:

Endpoints

/authorized_keys/create - create keys
 	
Accessibility: **Anyone**
HTTP Request
Method: POST
Accept: application/json
Response: application/json, application/xml
Parameters:
 	
<table><tr><th>Name</th><th>Value</th></tr><tr><td>type</td><td>ssh-ed25519, ssh-rsa</td></tr><tr><td>publicKey</td><td>the public key of the encryption</td></tr><tr><td>comment</td><td><any text></td></tr><tr><td>accessRights</td><td>it_supplier, big_it_supplier, computer_creator</td></tr><tr><td>name</td><td><name> (used as the maker)</td></tr></table>
Sample curl command:
 	
``
$ curl -X POST \
  http://localhost:8080/authorized_keys/create \
  -H 'content-type: application/json' \
  -d '{
     "sshKey": {
          "type": "ssh-ed25519",
          "publicKey":
"AAAAC3NzaC1lZDI1NTE5AAAAIOiKKC7lLUcyvJMo1gjvMr56XvOq814Hhin0
OCYFDqT4",
          "comment": "happy@isr",
          "name": "asus",
          "accessRights": "computer_creator"
     }
}'
``

For Computer API

The available endpoints are:

Endpoints
/create_computer - creates computer Accessibility: **Computer Creator** HTTP Request Method: POST Required Header: 'apikey:<your ssh key>' Response: application/json, application/xml Parameters:

Name	Value
type	<computer type>
model	<computer model>
language	<language>
color	black, blue, silver, white

Sample curl command:

```
$ curl -X POST \
  http://localhost:8080/create_computer \
  -H 'content-type: application/json' \
  -H
'apikey:AAAAC3NzaC1lZDI1NTE5AAAAIOiKKC7lLUcyvJMo1gjvMr56XvOq8
14Hhin0OCYFDqT4' \
  -d '{
      "computer": {
          "type": "laptop",
          "model": "X507UA",
          "language": "日本語",
          "color": "black"
      }
}'
```

/computers/{maker}/{model} - retrieves computers by maker and model

Accessibility: **Anyone**

HTTP Request

Method: GET

Header: apikey:<your ssh key>

Response: application/json, application/xml

Url parameters:

maker: <computer creator>

model: <the model of the computer>

Sample curl command:

```
$ curl http://localhost:8080/computers/asus/X507UA
```

/computers/{maker} - retrieves computers by maker

Accessibility: **Big IT Supplier, Computer Creator**

HTTP Request

Method: GET

Response: application/json, application/xml

Url parameters:

maker: <computer creator>

Sample curl command:

```
$ curl http://localhost:8080/computers/asus \
  -H
'apikey:AAAAC3NzaC1lZDI1NTE5AAAAIOiKKC7lLUcyvJMo1gjvMr56XvOq8
14Hhin0OCYFDqT4'
```