

Final project

GitHub URL:

<https://github.com/zmontoya94/zjmcmb>

Screenshots of running application:

CMDB: do you know where your computer is???

v3/api-docs

Servers

http://192.168.1.33:8080 - Generated server url

CMDB

GET	/users/{userID}	Get's a user by it's unique identifier.	⌵
PUT	/users/{userID}	Modifies an existing user.	⌵
PUT	/software/{softwareID}	Modifies an existing software.	⌵
DELETE	/software/{softwareID}	Delete or remove a software.	⌵
GET	/computers/{computerID}	Get's a computer by it's unique identifier.	⌵
PUT	/computers/{computerID}	Modifies an existing computer.	⌵
GET	/users	Get's all of the available users.	⌵
POST	/users	Create a new user.	⌵
GET	/software	Get's all software.	⌵
POST	/software	Create new software.	⌵
GET	/computers	Get's all of the available computers.	⌵
POST	/computers	Create a new computer.	⌵
GET	/users/find	Finds users matching all of part of the specified username.	⌵
GET	/computers/find	Finds computers matching all of part of the specified hostname.	⌵
DELETE	/user/{userID}	Delete or remove a user.	⌵
DELETE	/computer/{computerID}	Delete or remove a computer.	⌵

Schemas

zjmuserinputmodel >

zjmusermodel >

zjmsoftwareinputmodel >

zjmsoftwaremodel >

zjmcomputerinputmodel >

zjmcomputermodel >

CMDB

GET

/users/{userID}

Get's a user by it's unique identifier.

Parameters

Try it out

Name	Description
code * required string (path)	<div>code</div>

Responses

Code	Description	Links
200	OK	No links

Media type

/

Controls Accept header.

Example Value | Schema

```
{
  "getusername": "string",
  "getfirst_name": "string",
  "last_name": "string",
  "email": "string",
  "getuserId": 0
}
```

PUT

/users/{userID}

Modifies an existing user.

Parameters

Try it out

Name	Description
code * required string (path)	<div>code</div>

Request body

required

application/json

Example Value | Schema

```
{
  "getusername": "string",
  "gethostname": "string",
  "getfirst_name": "string",
  "getlast_name": "string"
}
```

Responses

Code	Description	Links
200	OK	No links

Media type

/

Controls Accept header.

Example Value | Schema

```
{
  "getusername": "string",
  "getfirst_name": "string",
  "last_name": "string",
  "email": "string",
  "getuserId": 0
}
```

PUT

/software/{softwareID} Modifies an existing software.

Try it out

Parameters

Name	Description
code * required string (path)	<input type="text" value="code"/>

Request body required

application/json

Example Value | Schema

```
{
  "getsoftwareID": "string",
  "getprimaryUser": "string",
  "domain": "string",
  "softwareName": "string"
}
```

Responses

Code	Description	Links
200	OK	No links

Media type

/

Controls Accept header.

Example Value | Schema

```
{
  "getsoftwareID": 0,
  "getprimaryUser": "string",
  "getsoftwareName": "string"
}
```

DELETE

/software/{softwareID} Delete or remove a software.

Try it out

Parameters

Name	Description
code * required string (path)	<input type="text" value="code"/>

Responses

Code	Description	Links
200	OK	No links

Media type

/

Controls Accept header.

Example Value | Schema

```
{
  "getsoftwareID": 0,
  "getprimaryUser": "string",
  "getsoftwareName": "string"
}
```

GET

/computers/{computerID} Get's a computer by it's unique identifier.

⌵

Parameters

Try it out

Name	Description
code * required string (path)	<input type="text" value="code"/>

Responses

Code	Description	Links
200	OK	No links

Media type

Controls Accept header.

Example Value | Schema

```
{  "getcomputerID": 0,  "getprimaryUser": "string",  "gethostname": "string",  "getipV4Address": "string",  "getdomain": "string"}
```

PUT

/computers/{computerID} Modifies an existing computer.

⌵

Parameters

Try it out

Name	Description
code * required string (path)	<input type="text" value="code"/>

Request body

required

application/json

⌵

Example Value | Schema

```
{  "getcomputerID": "string",  "gethostname": "string",  "ipV4Address": "string",  "domain": "string"}
```

Responses

Code	Description	Links
200	OK	No links

Media type

Controls Accept header.

Example Value | Schema

```
{  "getcomputerID": 0,  "getprimaryUser": "string",  "gethostname": "string",  "getipV4Address": "string",  "getdomain": "string"}
```

GET

/users

Get's all of the available users.

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	OK	No links

Media type

*/

Controls Accept header.

Example Value | Schema

```
{  "getusername": "string",  "getfirst_name": "string",  "last_name": "string",  "email": "string",  "getuserId": 0}
```

POST

/users

Create a new user.

Parameters

Try it out

No parameters

Request body

required

application/json

Example Value | Schema

```
{  "getusername": "string",  "gethostname": "string",  "getfirst_name": "string",  "getlast_name": "string"}
```

Responses

Code	Description	Links
200	OK	No links

Media type

*/

Controls Accept header.

Example Value | Schema

```
{  "getusername": "string",  "gethostname": "string",  "getfirst_name": "string",  "getlast_name": "string"}
```

GET

/software

Get's all software.

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	OK	No links

Media type

*/

Controls Accept header.

Example Value | Schema

```
{  "getsoftwareID": 0,  "getprimaryUser": "string",  "getsoftwareName": "string"}
```

POST

/software

Create new software.

Parameters

Try it out

No parameters

Request body

required

application/json

Example Value | Schema

```
{  "getsoftwareID": "string",  "getprimaryUser": "string",  "domain": "string",  "softwareName": "string"}
```

Responses

Code	Description	Links
200	OK	No links

Media type

*/

Controls Accept header.

Example Value | Schema

```
{  "getsoftwareID": "string",  "getprimaryUser": "string",  "domain": "string",  "softwareName": "string"}
```

GET

/computers

Get's all of the available computers.

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	OK	No links

Media type

/

Controls Accept header.

Example Value | Schema

```
{
  "getcomputerID": 0,
  "getprimaryUser": "string",
  "gethostname": "string",
  "getipV4Address": "string",
  "getdomain": "string"
}
```

POST

/computers

Create a new computer.

Parameters

Try it out

No parameters

Request body

required

application/json

Example Value | Schema

```
{
  "getcomputerID": "string",
  "gethostname": "string",
  "ipV4Address": "string",
  "domain": "string"
}
```

Responses

Code	Description	Links
200	OK	No links

Media type

/

Controls Accept header.

Example Value | Schema

```
{
  "getcomputerID": 0,
  "getprimaryUser": "string",
  "gethostname": "string",
  "getipV4Address": "string",
  "getdomain": "string"
}
```


GET

/users/find Finds users matching all of part of the specified username.

^

Parameters

Try it out

Name	Description
username <small>* required</small> string <small>(query)</small>	<input type="text" value="username"/>

Responses

Code	Description	Links
200	OK	No links

Media type

▾

Controls Accept header.

Example Value | Schema

```
[
  {
    "getusername": "string",
    "gethostname": "string",
    "getfirst_name": "string",
    "getlast_name": "string"
  }
]
```

GET

/computers/find Finds computers matching all of part of the specified hostname.

^

Parameters

Try it out

Name	Description
hostname <small>* required</small> string <small>(query)</small>	<input type="text" value="hostname"/>

Responses

Code	Description	Links
200	OK	No links

Media type

▾

Controls Accept header.

Example Value | Schema

```
[
  {
    "getcomputerID": 0,
    "getprimaryUser": "string",
    "gethostname": "string",
    "getipV4Address": "string",
    "getdomain": "string"
  }
]
```

DELETE

/user/{userID} Delete or remove a user.

Parameters

Try it out

Name	Description
code * required string (path)	<input type="text" value="code"/>

Responses

Code	Description	Links
200	OK	No links

Media type

/

Controls Accept header.

Example Value | Schema

```
{
  "getusername": "string",
  "getfirst_name": "string",
  "last_name": "string",
  "email": "string",
  "getuserid": 0
}
```

DELETE

/computer/{computerID} Delete or remove a computer.

Parameters

Try it out

Name	Description
code * required string (path)	<input type="text" value="code"/>

Responses

Code	Description	Links
200	OK	No links

Media type

/

Controls Accept header.

Example Value | Schema

```
{
  "getcomputerID": 0,
  "getprimaryUser": "string",
  "gethostname": "string",
  "getipV4Address": "string",
  "getdomain": "string"
}
```

Schemas



```
zjmuserinputmodel v {  
  getusername      string  
  gethostname      string  
  getfirst_name    string  
  getlast_name     string  
}
```

```
zjmusermodel v {  
  getusername      string  
  getfirst_name    string  
  last_name        string  
  email            string  
  getUserId        integer($int32)  
}
```

```
zjmsoftwareinputmodel v {  
  getsoftwareID    string  
  getprimaryUser   string  
  domain           string  
  softwareName     string  
}
```

```
zjmsoftwaremodel v {  
  getsoftwareID    integer($int32)  
  getprimaryUser   string  
  getsoftwareName  string  
}
```

```
zjmcomputerinputmodel v {  
  getcomputerID    string  
  gethostname      string  
  ipv4Address       string  
  domain           string  
}
```

```
zjmcomputermodel v {  
  getcomputerID    integer($int32)  
  getprimaryUser   string  
  gethostname      string  
  getipv4Address   string  
  getdomain        string  
}
```

Documentation of API:

1. Allowed Requests:

a. Get

i. Computers

1. <http://192.168.1.33:8080/get/computers>
 - a. Gets all computers
2. <http://192.168.1.33:8080/get/computers/{computerID}>
 - a. Gets specific computer

ii. Software

1. <http://192.168.1.33:8080/get/software>
 - a. Gets all software
2. <http://192.168.1.33:8080/get/software/{softwareID}>
 - a. Gets specific software

iii. Users

1. <http://192.168.1.33:8080/get/users>
 - a. Gets all users
2. <http://192.168.1.33:8080/get/users/{userID}>
 - a. Gets specific user

b. Post

i. Computers

1. <http://192.168.1.33:8080/post/computers/{computerID}>
 - a. Creates new computer

ii. Software

1. <http://192.168.1.33:8080/post/software/{softwareID}>
 - a. Creates new software

iii. Users

1. <http://192.168.1.33:8080/post/users/{userID}>
 - a. Creates new user

c. Put

i. Computers

1. <http://192.168.1.33:8080/put/computers/{computerID}>
 - a. Modifies specific computer

ii. Software

1. <http://192.168.1.33:8080/put/software/{softwareID}>
 - a. Modifies specific software

iii. Users

1. <http://192.168.1.33:8080/put/users/{userID}>
 - a. Modifies specific user

d. Delete

i. Computers

1. <http://192.168.1.33:8080/delete/computers/{computerID}>
 - a. Deletes specific computer

ii. Software

1. <http://192.168.1.33:8080/delete/software/{softwareID}>
 - a. Deletes specific software

iii. Users

1. <http://192.168.1.33:8080/delete/users/{userID}>
 - a. Deletes specific user