

INSTALLMATE REST API

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ABSTRACT

This article will include details regarding the usage and implementation of all available methods supported by the Outsmart app server. For the purposes of this article “BASE-URL” should be substituted with "http://ia.outsmartinc.com/" as it will be used often as a prefix for the following URL's. In addition this documentation only includes one class with several services which have not been fully implemented at the time of this writing. They include, getOpStatus, pingMac and savePanelData.

1 AUTHSERVICE

1.1 fetchModes

```
#Curl script
curl -H "Origin:*" -v -X POST
      BASE-URL/installmate/fetchModes
```

OUTPUT (JSON)

```
1 {"unavailableCalls":["fetchPanelReferences","fetchPanelData"],"
  haveELR":true}
```

URL PATTERN

BASE-URL/installmate/fetchModes

EXPLANATION Simple call that returns the modes "elr/ops". Including the -H "Origin:*" is necessary for cross origin resource sharing.

1.2 fetchCustomers

#Curl script

```
curl -H "Origin:*" -v -X POST
      BASE-URL/installmate/fetchCustomers
```

OUTPUT (HEADER TEXT)

```
1 {"status":"OK","version":1.0,"list":["OutSMart Ppwer SUsystems",
    OutSmart Power Systems","laber"]}
```

URL PATTERN

BASE-URL/installmate/fetchCustomers

EXPLANATION This method should be called fetchAllCustomers. It returns all the customers it has stored as a list of strings.

1.3 fetchLocations

#Curl script

```
curl -v -H "Accept: application/json"
      -H "Content-Type: application/json"
      -H "Origin:*"
      -X POST -d "{\"customerName\":\"laber\"}"
      BASE-URL/installmate/fetchLocations
```

OUTPUT (HEADER TEXT)

```
1 {"status":"OK","version":1.0,"list":["glork","lall"]}
```

URL PATTERN

BASE-URL/installmate/fetchLocations

EXPLANATION I figure by this point you must understand what is going on. The only difference between this method and the ones prior is that this one has a single argument that must be passed as JSON.

1.4 fetchPanelData

#Curl script

```
curl -v -H "Accept: application/json"
      -H "Content-Type: application/json"
```

```
-H "Origin:*"
-X POST -d '{"customerName\":"\laber\
,\\"locationName\":"\lall\}"
BASE-URL/installmate/fetchPanelData
```

OUTPUT (HEADER TEXT)

```
1 {"anObject":"aString"}
```

URL PATTERN

BASE-URL/installmate/fetchPanelData

EXPLANATION Again, if you understand everything else up to this point then you should have no problem figuring out what is going on here.

1.5 savePanelData

#Curl script

```
curl -v -H "Accept: application/json"
-H "Content-Type: application/json"
-H "Origin:*"
-X POST -d '{"customerName\":"\laber\
,\\"locationName\":"\lall\
,\\"panelData\":"\{"variable\":"some_data\"}\","}"
BASE-URL/installmate/savePanelData
```

OUTPUT (HEADER TEXT)

```
1 {"status":"OK","version":1.0}
```

URL PATTERN

BASE-URL/installmate/savePanelData

EXPLANATION You put the JSON in, some magic happens and BLAM! Your stuff gets saved. Amazing!

2 UNIMPLEMENTED METHODS

2.1 fetchDeviceMacs

#Curl script

```
curl -v -H "Accept: application/json"
-H "Content-Type: application/json"
-H "Origin:*"
-X POST -d "Likely will be customer or location id"
BASE-URL/installmate/fetchDeviceMacs
```

OUTPUT (HEADER TEXT)

```
1 //A JSON list of device MAC's
```

URL PATTERN

BASE-URL/installmate/fetchDeviceMacs

EXPLANATION This method is not yet fully complete. Its likely that this will have a small argument and will return a list of mac addresses.

2.2 pingMac

#Curl script

```
curl -v -H "Accept: application/json"
      -H "Content-Type: application/json"
      -H "Origin:*"
      -X POST
      BASE-URL/installmate/pingMac/{macAddr}
```

OUTPUT (HEADER TEXT)

```
1 // boolean status update
```

URL PATTERN

BASE-URL/installmate/pingMac/macAddr

EXPLANATION Checks that the mac exists and will likely return a boolean JSON object or an error status.

2.3 getOpStatus

#Curl script

```
curl -v -H "Accept: application/json"
      -H "Content-Type: application/json"
      -H "Origin:*"
      -X POST
      BASE-URL/installmate/getOpStatus
```

OUTPUT (HEADER TEXT)

```
1 //a JSON object describing the status
```

URL PATTERN

BASE-URL/installmate/getOpStatus

EXPLANATION A method that will return the current op status.