



List all connected bot information

<http://192.168.1.2:8090/botfeedbacks>

## 2. Determine bot status

a. <http://192.168.1.2:8090/botstatus?id=9> (list id =9 robot status)

```
{
  "botList": [
    {
      "BotId": 9,
      "Current_X": 9000,
      "Current_Y": 13000,
      "MissionFeedback": "Assign Mission Success",
      "ErrorCode": "Normal",
      "WarningCode": "Current Battery Level is Low",
      "isOffline": false,
      "isCharging": false,
      "isWaitingForCharger": false,
      "chargingStationID": -1,
      "isDisabled": true,
      "socketLocalPort": 9000,
      "socketRemotePort": 5013,
      "socketLocalAddress": "/192.168.1.2",
      "socketRemoteAddress": "/192.168.1.209"
    }
  ]
}
```

b. <http://192.168.1.2:8090/botstatus?id=999> (list all robot status)

## 3. Testing a charger (make sure it isn't assigned to a robot). 26471 is charger id.

a. [http://192.168.1.2:8090/charger\\_test?cid=26471&action=up](http://192.168.1.2:8090/charger_test?cid=26471&action=up)

Charger is going up -- succeed

b. [http://192.168.1.2:8090/charger\\_test?cid=26471&action=down](http://192.168.1.2:8090/charger_test?cid=26471&action=down)

Charger is going down -- succeed

c. [192.168.1.2:8090/charger\\_test?cid=26471&action=check](http://192.168.1.2:8090/charger_test?cid=26471&action=check)

## 4. Getting information for battery charging schedule:

a. [http://192.168.1.2:8090/charging\\_test/plan?id=9](http://192.168.1.2:8090/charging_test/plan?id=9) ( give a robot charging plan)

b. [http://192.168.1.2:8090/charging\\_test/info](http://192.168.1.2:8090/charging_test/info)

```

we have total 5 robots
robot id: 3 with battery: 52300 at location: (6000,10000)
  robot id: 3 has charging task towards station id 26471
robot id: 9 with battery: 52600 at location: (9000,13000)
robot id: 2 with battery: 58700 at location: (11000,7000)
  robot id: 2 at charging station
  robot id: 2 has charging task towards station id 0
robot id: 6 with battery: 54700 at location: (10000,14000)
robot id: 8 with battery: 52400 at location: (3000,8000)
*****
total 0 robots need charging batteries (not include those already having charging tasks
There is no bot which needs to charge it battery
*****
We have total 2 charging stations
Charing station id: 0 at (11000, 7000)
Charing station id: 26471 at (7000, 7000)
*****
no charging station available
*****
If a robot's location is same as a charger's location, we consider it is charging battery

```

5. Get all pending/working tasks (unique task)

<http://192.168.1.2:8090/utask>

```

[
  {
    "TaskID": 1500,
    "TaskStatusID": 3,
    "TaskTypeID": 6,
    "BOTID": 8,
    "PODID": -1,
    "Org_X": 3000,
    "Org_Y": 8000,
    "Des_X": 11000,
    "Des_Y": 9000
  }
]

```

6. Kill a robot (you have to turn off the robot first, or disconnect it from the network)

a. <http://192.168.1.2:8090/kill?id=9>

You should see the webpage popping up "ok" if the robot is killed successfully.