Server link = <http://ec2-18-136-209-223.ap-southeast-1.compute.amazonaws.com>

1. /user/login.php
   1. Necessary parameters
      1. username
      2. Password
   2. Status
      1. 0: Login Success
      2. 1: Login failed
      3. 2: PDO error
   3. Return
      1. token
      2. role
2. /user/loginbytoken.php
   1. Necessary parameters
      1. token
   2. Status
      1. 0: Login Success
      2. 1: Login failed
      3. 2: PDO error
3. /user/create.php
   1. Necessary parameters
      1. token
      2. username
      3. password
      4. staffed
   2. Status
      1. 0: Insert Success
      2. 1: User exist
      3. 2: Permission denied
      4. 3: PDO error
      5. 4: Insert failed
4. /user/update.php
   1. Necessary parameters
      1. token
      2. userid
   2. Optional parameters (At lease one)
      1. username
      2. password
      3. role
      4. Staffed
   3. Status
      1. 0: Update User Success
      2. 1: Update User Failed
      3. 2: Permission Denied
      4. 3: PDO error
5. /user/delete.php
   1. Necessary parameters
      1. token
      2. Username
   2. Status
      1. 0: Delete User Success
      2. 1: Delete User Failed
      3. 2: Permission Denied
      4. 3: PDO error
6. /user/getbyadmin.php(get list of users)
   1. Necessary parameters
      1. token
   2. Status
      1. 0: Get Success
      2. 1: Get Failed
      3. 2: Permission denied
      4. 3: PDO error
   3. Return

|  |
| --- |
| {  "status": 0,  "result": [  {  "USERID": "1",  "UNAME": "test1",  "ROLE": "user",  "LASTLOGIN": "23-MAR-19 08.08.13.181889 PM +00:00",  "SID": "10587",  "SNAME": "Test1",  "SGENDER": "M",  "SAGE": "25",  "PID": "0001",  "PNAME": "POST1",  "DID": "0010",  "DNAME": "DEPT1"  }  ]  } |

1. /user/get.php(get self)
   1. Necessary parameters
      1. token
   2. Status
      1. 0: Get Success
      2. 1: Get Failed
      3. 2: Permission denied
      4. 3: PDO error
   3. Return

|  |
| --- |
| {  "status": 0,  "result": {  "USERID": "1",  "UNAME": "test1",  "ROLE": "user",  "LASTLOGIN": "23-MAR-19 08.08.13.181889 PM +00:00",  "SID": "10587",  "SNAME": "Test1",  "SGENDER": "M",  "SAGE": "25",  "PID": "0001",  "PNAME": "POST1",  "DID": "0010",  "DNAME": "DEPT1"  }  } |

1. /mission/create.php
   1. Necessary parameters
      1. token
      2. m\_name
      3. m\_desc
      4. loc\_name
      5. latlng
      6. searching\_radius
      7. altitude
   2. Return
      1. Status
         1. 0: Create Mission Success
         2. 1: Mission Parameters Error
         3. 2: Permission Denied
         4. 3: PDO error
      2. mid
2. /mission/update.php
   1. Necessary parameters
      1. token
      2. mid
   2. Optional parameters (At lease one)
      1. m\_name
      2. m\_desc
      3. m\_creator
      4. loc\_name
      5. latlng
      6. searching\_radius
      7. altitude
   3. Status
      1. 0: Update Mission Success
      2. 1: Update Mission Failed
      3. 2: Permission Denied
      4. 3: PDO error
3. /mission/delete.php
   1. Necessary parameters
      1. token
      2. mid
   2. Status
      1. 0: Delete Mission Success
      2. 1: Delete Mission Failed
      3. 2: Permission Denied
      4. 3: PDO error
4. /mission/get.php
   1. Necessary parameters
      1. token
      2. status
         1. 0: Created
         2. 1: Started
         3. 2: Victim Found
         4. 3. Finish
         5. 4: Deleted
   2. Status
      1. 0: Get Mission Success
      2. 1: Get Mission Failed
      3. 2: Permission denied
      4. 3: PDO error
   3. Return

|  |
| --- |
| {  "status": 0,  "missions": [  {  "MID": "1",  "MNAME": "test",  "MDESC": null,  "MCREATOR": "2",  "MCREATORNAME": "admin1",  "MCREATETIME": "23-MAR-19 07.27.12.927603 PM +00:00",  "MSTARTTIME": null,  "MENDTIME": null,  "MLOCATIONNAME": "123",  "CENTERLAT": "0",  "CENTERLNG": "0",  "MRANGE": "0",  "MSTATUS": "0",  "MVICTIMLAT": null,  "MVICTIMLNG": null,  "members": [  {  "USERID": "1",  "UNAME": "test1",  "MID": "1",  "JID": "1",  "STARTTIME": "23-MAR-19 07.27.13.000533 PM +00:00",  "ENDTIME": null  },  {  "USERID": "1",  "UNAME": "test1",  "MID": "1",  "JID": "2",  "STARTTIME": "23-MAR-19 07.27.13.105785 PM +00:00",  "ENDTIME": null  }  ],  "drones": [  {  "DID": "1",  "DSERIALNUMER": "test1"  },  {  "DID": "2",  "DSERIALNUMER": "test1"  }  ]  }  ]  } |

1. /mission/start.php
   1. Necessary parameters
      1. token
      2. Mid
   2. Status
      1. 0: Start Mission Success
      2. 1: Start Mission Failed
      3. 2: Permission Denied
      4. 3: PDO error
2. /mission/victimfound.php
   1. Necessary parameters
      1. token
      2. mid
      3. victim\_latlng
   2. Status
      1. 0: Set Success
      2. 1: Set Failed
      3. 2: Permission Denied
      4. 3: PDO error
3. /mission/finish.php
   1. Necessary parameters
      1. token
      2. mid
   2. Status
      1. 0: Finish Mission Success
      2. 1: Finish Mission Failed
      3. 2: Permission Denied
      4. 3: PDO error
4. /mission/user/add.php
   1. Necessary parameters
      1. token
      2. userid
      3. mid
   2. Status
      1. 0: Add User Success
      2. 1: Add User Failed
      3. 2: Permission Denied
      4. 3: PDO error
5. /mission/user/remove.php
   1. Necessary parameters
      1. token
      2. userid
      3. mid
      4. jid
   2. Status
      1. 0: Remove User Success
      2. 1: Remove User Failed
      3. 2: Permission Denied
      4. 3: PDO error
6. /mission/user/update.php
   1. Necessary parameters
      1. token
      2. userid
      3. mid
      4. jid
      5. status
         1. start
         2. end
   2. Status
      1. 0: Update User Success
      2. 1: Update User Failed
      3. 2: Permission Denied
      4. 3: PDO error
7. /mission/user/getmission.php
   1. Necessary parameters
      1. token
   2. Status
      1. 0: Update User Success
      2. 1: Update User Failed
      3. 2: Permission Denied
      4. 3: PDO error
   3. Return

|  |
| --- |
| {  "status": 0,  "missions": [  {  "MID": "1",  "MNAME": "test",  "MDESC": null,  "MCREATOR": "2",  "MCREATORNAME": "admin1",  "MCREATETIME": "23-MAR-19 07.27.12.927603 PM +00:00",  "MSTARTTIME": null,  "MENDTIME": null,  "MLOCATIONNAME": "123",  "CENTERLAT": "0",  "CENTERLNG": "0",  "MRANGE": "0",  "MSTATUS": "0",  "MVICTIMLAT": null,  "MVICTIMLNG": null,  "members": [  {  "USERID": "1",  "UNAME": "test1",  "MID": "1",  "JID": "1",  "STARTTIME": "23-MAR-19 07.27.13.000533 PM +00:00",  "ENDTIME": null  },  {  "USERID": "1",  "UNAME": "test1",  "MID": "1",  "JID": "2",  "STARTTIME": "23-MAR-19 07.27.13.105785 PM +00:00",  "ENDTIME": null  }  ],  "drones": [  {  "DID": "1",  "DSERIALNUMER": "test1"  },  {  "DID": "2",  "DSERIALNUMER": "test1"  }  ]  }  ]  } |

1. /mission/drone/add.php
   1. Necessary parameters
      1. token
      2. droneid
      3. mid
   2. Status
      1. 0: Add Drone Success
      2. 1: Add Drone Failed
      3. 2: Permission Denied
      4. 3: PDO error
2. /mission/drone/remove.php
   1. Necessary parameters
      1. token
      2. droneid
      3. mid
   2. Status
      1. 0: Remove Drone Success
      2. 1: Remove Drone Failed
      3. 2: Permission Denied
      4. 3: PDO error
3. /mission/drone/update.php
   1. Necessary parameters
      1. token
      2. droneid
      3. mid
   2. Optional parameters (At lease one)
      1. userid
      2. battery
      3. latlng
   3. Status
      1. 0: Update Drone Success
      2. 1: Update Drone Failed
      3. 2: Permission Denied
      4. 3: PDO error
4. /mission/drone/get.php
   1. Necessary parameters
      1. token
      2. mid
   2. Status
      1. 0: Get Success
      2. 1: Get Failed
      3. 2: Permission denied
      4. 3: PDO error
   3. Return

|  |  |
| --- | --- |
| {  "status": 0,  "result": [  {  "DRONEID": "1",  "MID": "1",  "USERID": "1",  "BATTERYSTATUS": null,  "LAT": null,  "LNG": null  },  {  "DRONEID": "2",  "MID": "1",  "BATTERYSTATUS": null,  "LAT": null,  "LNG": null  }  ]  } |  |

1. /drone/create.php
   1. Necessary parameters
      1. token
      2. dsn
   2. Status
      1. 0: Insert Success
      2. 1: Drone exist
      3. 2: Permission denied
      4. 3: PDO error
      5. 4: Insert failed
2. /drone/delete.php
   1. Necessary parameters
      1. Token
      2. droneid
   2. Status
      1. 0: Delete Drone Success
      2. 1: Delete Drone Failed
      3. 2: Permission Denied
      4. 3: PDO error
3. /drone/update.php
   1. Necessary parameters
      1. token
      2. droneid
      3. dsn
   2. Status
      1. 0: Update Drone Success
      2. 1: Update Drone Failed
      3. 2: Permission Denied
      4. 3: PDO error
4. /drone/get.php
   1. Necessary parameters
      1. Token
   2. Status
      1. 0: Update Drone Success
      2. 1: Update Drone Failed
      3. 2: Permission Denied
      4. 3: PDO error
5. Stat
   1. Necessary parameters
      1. token
      2. mid
   2. Status
      1. 0: Get Route Success
      2. 1: Get Route Failed
      3. 2: Permission denied
      4. 3: PDO error
   3. Return

|  |
| --- |
| {  "status": 0,  "result": [  {  "Drone 1": [  {  "Latitude": "22.341688",  "Longitude": "114.101554"  },  {  "Latitude": 22.341417082461337,  "Longitude": 114.10126277503555  },  {  "Latitude": 22.34195891699975,  "Longitude": 114.10126277503555  },  {  "Latitude": 22.341958916738022,  "Longitude": 114.10155400112185  },  {  "Latitude": 22.341417082199357,  "Longitude": 114.10155400112185  }  ]  },  {  "Drone 2": [  {  "Latitude": "22.341688",  "Longitude": "114.101554"  },  {  "Latitude": 22.341417082703867,  "Longitude": 114.1014569250154  },  {  "Latitude": 22.341958917242277,  "Longitude": 114.1014569250154  },  {  "Latitude": 22.341958916980545,  "Longitude": 114.1017481511017  },  {  "Latitude": 22.341417082441883,  "Longitude": 114.1017481511017  }  ]  },  {  "Drone 3": [  {  "Latitude": "22.341688",  "Longitude": "114.101554"  },  {  "Latitude": 22.341417082703863,  "Longitude": 114.10165107498459  },  {  "Latitude": 22.341958917242273,  "Longitude": 114.10165107498459  },  {  "Latitude": 22.34195891698054,  "Longitude": 114.10194230107089  },  {  "Latitude": 22.34141708244188,  "Longitude": 114.10194230107089  }  ]  }  ]  } |