

RESTful API

Documentation

Team 12

Base URI

<https://team12softwareengineeringii.com>

endpoint	input	output	method
BaseURI/clientSide	null	heartbeats	GET
BaseURI/clientSide/GatewayId	null	heartbeats for GWID	GET
BaseURI/clientSide/heartbeatId	heartbeatId	Delete message	DELETE
BaseURI/clientSide/onDemand/GatewayId	null	All diagnostics for GWID	GET
BaseURI/clientSide/register	email,userName,password	confirmation/error message	POST
BaseURI/clientSide/login	email,userName,password	confirmation/error message	POST
BaseURI/clientSide	ODD,GatewayId	confirmation/error message	POST
BaseURI/gateway/heartbeat/GatewayId	Token,GWID,TimeStamp	confirmation & ODD/error message	POST
BaseURI/gateway/diagnostic/test	Token,ODD,GWID,Type,Result,IsClear	confirmation/error message	POST
BaseURI/gateway/GatewayId	null	All diagnostics for GWID	GET
BaseURI/gateway/dailyDiagnostic/test	GatewayId,Type,Result,Time	confirmation/error message	POST
BaseURI/gateway/newGateway	GatewayId	Response with GWID info	POST
BaseURI/clientSide/createGateway	userName,email	confirmation/error message	POST
BaseURI/clientSide/dailyDiagnostic	dailyHour,dailyMin,dailySecond,GatewayId, Type,DDD	Response with dailyDiagnostics	POST

Failure to input Token on a POST on gateway endpoints will result in the JSON response:

```
{
  "auth": false,
  "message": "No token provided."
}
```

A valid heartbeat POST request on gateway will yield the following JSON response (example):

```
{
```

```

"postedHeartbeat": {
  "_id": "5bccc1257bc32a2f8fc7cd7c",
  "GatewayId": "2",
  "TimeStamp": "1:00pm",
  "__v": 0
},
"odd": [
  {
    "_id": "5bccbed97bc32a2f8fc7cd7b",
    "ODD": "cpudd.py",
    "GatewayId": "2",
    "__v": 0
  }
],
"message": "Success"
}

```

A valid diagnostic POST request on gateway will yield the following JSON response (example):

```

{
  "Diagnostic": {
    "_id": "5bccc19b7bc32a2f8fc7cd7d",
    "GatewayId": "1",
    "Type": "cpu",
    "IsClear": false,
    "__v": 0
  },
  "message": "POST Success"
}

```

A valid GET request on clientSide will yield all the heartbeats in the following JSON response (example):

```

{
  "_id": "5bcbb04b8b194c128a88f1ce",
  "GatewayId": "11",
  "TimeStamp": "10:41",
  "__v": 0
}

```

```

},
{
  "_id": "5bcbb0f38b194c128a88f1cf",
  "GatewayId": "9",
  "TimeStamp": "10:41",
  "__v": 0
},
{
  "_id": "5bcbb1028b194c128a88f1d0",
  "GatewayId": "9",
  "TimeStamp": "10:41",
  "__v": 0
},
{

```

A valid diagnostic POST request on clientSide will yield the following JSON response (example):

```

{
  "Diagnostic": {
    "_id": "5bccbed97bc32a2f8fc7cd7b",
    "ODD": "cpudd.py",
    "GatewayId": "2",
    "__v": 0
  },
  "message": "POST Success"
}

```

} A valid GET request on clientSide with GWID will yield the following JSON response (example):

```

[
  {
    "_id":
"5bca2264dccfc3d126d7daed",

    "GatewayId": "1",

    "TimeStamp": "10:41",

```

```

    "__v": 0
  },
  {
    "_id":
"5bca2307dccfc3d126d7daef",
    "GatewayId": "1",
    "TimeStamp": "10:41",
    "__v": 0
  },
  {
    "_id":
"5bca6ded969e9cd28babd6d0",
    "GatewayId": "1",
    "__v": 0
  }
]}

```

A valid DELETE request will yield the following JSON response (example):

```

{
  "n": 0,
  "ok": 1
}

```

Failure to enter heartbeatId on DELETE request will yield the following response (example):

```
<html lang="en">
```

```
  <head>
```

```
    <meta charset="utf-8">
```

```
    <title>Error</title>
```

```
  </head>
```

<body>

<pre>Cannot DELETE

/api/clientSide/</pre>

</body>

</html>

