



# SiteUptime.com

RESTful API version 2.0

August 30, 2016

# Table of contents

1. Request format .....	3
2. Response format .....	3
3. Authentication .....	3
4. Response codes .....	4
5. Monitors list .....	4
6. Monitor data .....	5
7. Add new monitor .....	5
8. Edit monitor .....	7
9. Remove monitor .....	8

# SiteUptime.com RESTful API v2.0

## 1. Request format

The RESTful API Endpoint URL is <https://siteuptime.com/api/2.0/>

To request a SiteUptime service:

```
https://siteuptime.com/api/2.0/{method}/{id}
```

All additional request data should be sent in POST/PUT request body in the URL encoded or JSON format.

Example 1 (POST encoded):

```
Name=Monotor%20Name&Service=http&Location=ny&HostName=my-domain.com&CheckPeriod=5&PortNumber=80&Login=&Password=&Content=google&SendSms=1&Enabled=1&SendJabberAlert=0&Domain=&IP=&Timeout=15&SendAlertAfter=1&SendUrlAlert=1&CustomUrlAlert=
```

Example (JSON encoded):

```
{"Name":"Apple","Service":"http","Location":"ny","HostName":" my-domain.com","CheckPeriod":"5","PortNumber":"80","Login":"","Password":"","Content":"google","SendSms":"1","Enabled":"1","SendJabberAlert":"0","Domain":"","IP":"","Timeout":"15","SendAlertAfter":"1","SendUrlAlert":1,"CustomUrlAlert":""}
```

## 2. Response format

The SiteUptime RESTful API always returns JSON in the response body, along with HTTP code as operation result.

A method call returns the following:

```
HTTP/1.1 200 OK
```

```
{"Id":"133","UserId":"298","Name":"Monotor Name","ServiceId":"1","HostName":"your-domain.com","Page":"","CheckPeriod":"5","Timeout":"15","Track403":"n","Track503":"n","InsertDate":"2016-08-17 11:38:20","LastCheckDate":"0000-00-00 00:00:00","LastResult":null,"Uptime":null,"Downtime":null,"AverageResponseTime":null,"SendAlert":"y","SendAltAlert":"n","SupportEmail":"","PhoneNumbers":"","PhoneNumbersCallAlert":"","Enabled":"y","OutageTime":null,"SendSms":"y","CallAlert":"n","PortNumber":"80","CheckPeriodOld":null,"DownSubject":"","OkSubject":"","Domain":"","Content":"google","InverseSearch":"n","StrictSSL":"n","Login":"","Password":"","SendAlertAfter":"1","DontSendUpAlert":"n","DontSendMSUpAlert":"n","SendUrlAlert":"y","CustomUrlAlert":"http://www.ccc/eerr.php","SendJabberAlert":"n","SendPagerdutyAlert":"n","PagerdutyApiKey":"","SendAllDownAlerts":"n","UseStaticIP":"n","UsLocationsOnly":"n","HideSummaryStat":"y","HideStatusStat":"y","ListOrder":"0","Scheduler":"","PstTime":"14.0","DaylightSaving":"y","MappId":"0","Traceroute":"n","UptimePeriod":"","GroupName":null}
```

If an error occurs, the following is returned:

```
HTTP/1.1 406 Validation error
```

```
{"errors":{"CustomUrlAlert":"Invalid Alert Webhook Url."}}
```

## 3. Authentication

Your API key should be provided with every API request in the 'X-Auth-API-Key' header or in the password field of **Basic HTTP Authentication** (leave username empty).

Example 1 ('X-Auth-API-Key' header):

```
GET /api/2.0/monitors/134 HTTP/1.1
Host: www.siteuptime.com
```

```
X-Auth-API-Key: 001b980a0d26a88ce5699c6dd591541b
```

Example 2 (Basic HTTP Authentication):

```
GET /api/2.0/monitors/134 HTTP/1.1
Host: www.siteuptime.com
Authorization : Basic OjAwMWI5ODBhMGQyNmE4OGNINTY5OWM2ZGQ1OTE1NDFi
```

## 4. Response codes

<b>200</b>	Successful request
<b>401</b>	Provided API key does not have permissions to perform request
<b>403</b>	API key is incorrect or missing
<b>404</b>	Resource not found
<b>406</b>	Data validation error (additional information about errors will be provided in response body)

Example of response of successful request:

```
HTTP/1.1 200 OK
Date: Wed, 17 Aug 2016 10:18:41 GMT
Server: Apache/2.2.17 PHP/5.4.11
X-Powered-By: PHP/5.4.11
Content-Length: 2
Content-Type: application/json
```

Example of response of unsuccessful request:

```
HTTP/1.1 406 Validation error
Date: Wed, 17 Aug 2016 10:25:09 GMT
Server: Apache/2.2.17 PHP/5.4.11
X-Powered-By: PHP/5.4.11
Content-Length: 91
Content-Type: application/json

{"error":{"HostName":"Incorrect HostName.,"CustomUrlAlert":"Invalid Alert Webhook Url."}}
```

## 5. Monitors list

Returns list of monitors and current status.

### Arguments:

#### HTTP Method

GET

#### API Method

monitors

Example Request:

```
GET /api/2.0/monitors HTTP/1.1
Host: www.siteuptime.com
X-Auth-API-Key: 001b980a0d26a88ce5699c6dd591541b
Content-Length: 0
```

Example Response:

```
HTTP/1.1 200 OK
Date: Wed, 17 Aug 2016 09:51:53 GMT
Server: Apache/2.2.17 PHP/5.4.11
X-Powered-By: PHP/5.4.11
Content-Length: 2097
Content-Type: application/json
```

```
{
  "num_results":4,
  "monitors":[
    {
      "id":"125",
      "active":"yes",
      "name":"Facebook",
      "host":"facebook.com",
      "service":"https",
      "port":0,
      "period":5,
      "location":"og",
      "timeout":25,
      "downsubject":"","upsubject":"","altemailalerts":"","sendalertafter":1,
      "dontsendupalert":"no",
      "sendurlalert":"yes",
      "sendjabberalert":"no",
      "sendalldownalerts":"yes",
      "sendsms":0,
      "phonenumbers":"","callalert":0,
      "phonenumberscallalert":"","enablepublicstatistics":"no",
      "addtostatuspage":"yes",
      "numchecks":0,
      "numoutages":0,
      "numfailures":0,
      "uptime":"undefined",
      "current_status":"n/a"},
    {
      "id":"132",
      "active":"yes",
      "name":"Google",
      "host":"google.com",
      "service":"http",
      "port":80,
      "period":5,
      "location":"ny",
      "timeout":15,
      "downsubject":"","upsubject":"","altemailalerts":"","sendalertafter":1,
      "dontsendupalert":"no",
      "sendurlalert":"yes",
      "sendjabberalert":"no",
      "sendalldownalerts":"no",
      "sendsms":1,
      "phonenumbers":"","callalert":0,
      "phonenumberscallalert":"","enablepublicstatistics":"no",
      "addtostatuspage":"no",
      "numchecks":0,
      "numoutages":0,
      "numfailures":0,
      "uptime":"undefined",
      "current_status":"n/a"},
    {
      "id":"133",
      "active":"yes",
      "name":"Bing",
      "host":"bing.com",
      "service":"http",
      "port":0,
      "period":5,
      "location":"ny",
      "timeout":15,
      "downsubject":"","upsubject":"","altemailalerts":"","sendalertafter":1,
      "dontsendupalert":"no",
      "sendurlalert":"yes",
      "sendjabberalert":"no",
      "sendalldownalerts":"no",
      "sendsms":1,
      "phonenumbers":"","callalert":0,
      "phonenumberscallalert":"","enablepublicstatistics":"no",
      "addtostatuspage":"no",
      "numchecks":0,
      "numoutages":0,
      "numfailures":0,
      "uptime":"undefined",
      "current_status":"n/a"},
    {
      "id":"134",
      "active":"yes",
      "name":"Twitter",
      "host":"twitter.com",
      "service":"https",
      "port":0,
      "period":5,
      "location":"ny",
      "timeout":15,
      "downsubject":"","upsubject":"","altemailalerts":"","sendalertafter":1,
      "dontsendupalert":"no",
      "sendurlalert":"yes",
      "sendjabberalert":"no",
      "sendalldownalerts":"no",
      "sendsms":1,
      "phonenumbers":"","callalert":0,
      "phonenumberscallalert":"","enablepublicstatistics":"no",
      "addtostatuspage":"no",
      "numchecks":0,
      "numoutages":0,
      "numfailures":0,
      "uptime":"undefined",
      "current_status":"n/a"}
  ]
}
```

Or error response.

## 6. Monitor data

Returns data for one monitor and its current status.

### Arguments:

#### HTTP Method

GET

#### API Method

monitors/{monitor\_id}

#### Example Request:

```
GET /api/2.0/monitors/125 HTTP/1.1
Host: www.siteuptime.com
X-Auth-API-Key: 001b980a0d26a88ce5699c6dd591541b
Content-Length: 0
```

#### Example Response:

```
HTTP/1.1 200 OK
Date: Wed, 17 Aug 2016 09:54:46 GMT
Server: Apache/2.2.17 PHP/5.4.11
X-Powered-By: PHP/5.4.11
Content-Length: 521
Content-Type: application/json

{"id":"125","active":"yes","name":"Facebook","host":"facebook.com","service":"https","port":0,"period":5,"location":"og","timeout":25,"downsubject":"","upsubject":"","altemailalerts":"","sendalertafter":1,"dontsendupalert":"no","sendurlalert":"yes","sendjabberalert":"no","sendalldownalerts":"yes","sendsms":0,"phonenumbers":"","callalert":0,"phonenumberscallalert":"","enablepublicstatistics":"no","addtostatuspage":"yes","numchecks":0,"numoutages":0,"numfailures":0,"uptime":"undefined","current_status":"n/a"}
```

Or error response.

## 7. Add new monitor

Add new monitor to account.

### Arguments:

#### HTTP Method

POST

#### API Method (required)

monitors

**POST data:**

**Name** (required)

Service name.

**Service** (required)

Service type. Available values are: http, smtp, ftp, pop3, https, ping, dns, customport

**Location** (required)

Location code:

<b>Code</b>	<b>Check Location</b>
sf	United States, San Francisco
og	United States, Oregon
ny	United States, New York
ln	United Kingdom, London
sg	Singapore, Singapore
sp	Brazil, Sao Paulo
au	Australia, Sydney
tj	Japan, Tokyo

**HostName** (required)

Monitored Host name, IP or Page URL.

**CheckPeriod** (required)

Monitoring check period. Available values include: 2, 5, 15, 30, 60

**PortNumber** (optional)

Custom port number. Default service port will be used by default.

**Login** (optional)

HTTP Authentication login. Used for 'http' and https services only.

**Password** (optional)

HTTP Authentication password. Used for 'http' and https services only.

**Content** (optional)

Monitored page content. Used for 'http' and 'https' services only.

**Domain** (optional)

Lookup domain. Used for 'dns' services only.

**IP** (optional)

Lookup domain. Used for 'dns' services only. Required if 'Domain' is not empty.

**SendSms** (optional)

0 or 1. Send SMS alerts on failures. Default value is '0'.

**PhoneNumbers** (optional)

You may add additional mobile numbers to which sms alerts should be sent. Separate multiple numbers with a comma. Enter country code + area code + number (no leading zero, no spaces).

**CallAlert** (optional)

0 or 1. Call alerts on failures. Default value is '0'.

**PhoneNumbersCallAlert** (optional)

You may add additional mobile numbers to which call alerts should be sent. Separate multiple numbers with a comma. Enter country code + area code + number (no leading zero, no spaces). For example: 16145555555

**Important:** This feature is only available for US phone numbers.

**SendUrlAlert** (optional)

0 or 1. Send Url (JSON) alerts on failures to Url specified on *My Profile* section. Default value is '0'.

**CustomUrlAlert** (optional)

Custom URL for 'Url Alert' that will be used instead of default Url specified on *My Profile* section.

**SendJabberAlert** (optional)

0 or 1. Send XMPP/Jabber alerts on failures to Jabber ID specified on *My Profile* section. Default value is '0'.

**SendAlert** (optional)

0 or 1. Send email alerts on failures to Email specified on *My Profile* section. Default value is '1'.

**SendAltAlert** (optional)

0 or 1. Send email alerts on failures to **AltEmailAlerts** email. Default value is '0'.

**AltEmailAlerts** (optional)

Alternative Email alerts addresses separated with comma.

**DontSendUpAlert** (optional)

- 0 or 1. Set to '1' if you do not want to receive 'Up' alerts for a monitor. Default value is '0'.
- SendAllDownAlerts** (optional)  
0 or 1. Set to '1' if you want to receive 'Down' alert on each failure check. Default value is '0'.
- Enabled** (optional)  
0 or 1. Monitor is enabled or not. Default value is '1'.
- SendAlertAfter** (optional)  
Send alerts after specified number of failures. Available values are: 1, 2, 3, 4, 5. Default value is 1.
- DownSubject** (optional)  
Email subject value for 'Down' alerts. Default subject will be used if empty.
- UpSubject** (optional)  
Email subject value for 'Up' alerts. Default subject will be used if empty.
- EnablePublicStatistics** (optional)  
0 or 1. Allow/Deny visitor to see public statistics report. Default value is '1' (allow).
- AddToStatusPage** (optional)  
0 or 1. Add/remove monitor to/from your public summary status report. Default value is '1' (add).
- Timeout** (optional)  
Monitor socket connection timeout value in seconds. Available values are: 15, 20, 25, 30, 35.  
Default value is 25.
- Track403** (optional)  
0 or 1. Track 403 response as a failure.
- Track503** (optional)  
0 or 1. Track 503 response as a failure.
- Traceroute** (optional)  
0 or 1. Perform traceroute on failures.

Example Request:

```
POST /api/2.0/monitors HTTP/1.1
Host: www.siteuptime.com
X-Auth-API-Key: 001b980a0d26a88ce5699c6dd591541b
Content-Length: 281

Name=Apple&Service=http&Location=ny&HostName=apple.com&CheckPeriod=5&PortNumber=80&Login=&Password=
&Content=google&SendSms=1&Enabled=1&SendJabberAlert=0&Domain=&IP=&Timeout=15&SendAlertAfter=1&SendUr
Alert=1&CustomUrlAlert=http%3A%2F%2Fwww.my-domain.com%2Fwebhook.php%3Fmon%3Dapple
```

Example Response:

```
HTTP/1.1 200 OK
Date: Wed, 17 Aug 2016 10:03:24 GMT
Server: Apache/2.2.17 PHP/5.4.11
X-Powered-By: PHP/5.4.11
Content-Length: 1091
Content-Type: application/json

{"Id":"136","UserId":"298","Name":"Apple","ServiceId":"1","HostName":"apple.com","Page":"","CheckPeriod":"5","Timeo
ut":"15","Track403":"n","Track503":"n","InsertDate":"2016-08-17 16:03:24","LastCheckDate":"0000-00-00
00:00:00","LastResult":null,"Uptime":null,"Downtime":null,"AverageResponseTime":null,"SendAlert":"y","SendAlert":
"n","SupportEmail":"","PhoneNumbers":"","PhoneNumbersCallAlert":"","Enabled":"y","OutageTime":null,"SendSms":"y",
"CallAlert":"n","PortNumber":"80","CheckPeriodOld":null,"DownSubject":"","OkSubject":"","Domain":"","Content":"googl
e","InverseSearch":"n","StrictSSL":"n","Login":"","Password":"","SendAlertAfter":"1","DontSendUpAlert":"n","DontSendS
MSUpAlert":"n","SendUrlAlert":"y","CustomUrlAlert":"http://www.my-
domain.com/webhook.php?mon=apple","SendJabberAlert":"n","SendPagerdutyAlert":"n","PagerdutyApiKey":"","SendAl
lDownAlerts":"n","UseStaticIP":"n","UseLocationsOnly":"n","HideSummaryStat":"y","HideStatusStat":"y","ListOrder":"0",
Scheduler":"","PstTime":"14.0","DaylightSaving":"y","MappId":"0","Traceroute":"n","UptimePeriod":"","GroupName":null
}
```

## 8. Edit monitor

Edit an existing monitor.

### Arguments:

**HTTP Method**  
PUT

**method** (required)  
monitors/{monitor\_id}

### POST data:

See 'Add new monitor' section.

### Example Request:

```
PUT /api/2.0/monitors/136 HTTP/1.1
Host: www.siteuptime.com
X-Auth-API-Key: 001b980aod26a88ce5699c6dd591541b
Content-Length: 281

Name=Apple&Service=http&Location=sf&HostName=apple.com&CheckPeriod=5&PortNumber=80&Login=&Password=
&Content=google&SendSms=1&Enabled=1&SendJabberAlert=0&Domain=&IP=&Timeout=15&SendAlertAfter=1&SendUr
Alert=1&CustomUrlAlert=http%3A%2F%2Fwww.my-domain.com%2Fwebhook.php%3Fmon%3Dapple
```

### Example Response:

```
HTTP/1.1 200 OK
Date: Wed, 17 Aug 2016 10:14:41 GMT
Server: Apache/2.2.17 PHP/5.4.11
X-Powered-By: PHP/5.4.11
Content-Length: 1091
Content-Type: application/json

{"id": "136", "userId": "298", "name": "Apple", "serviceId": "1", "hostname": "apple.com", "page": "", "checkPeriod": "5", "timeo
ut": "15", "track403": "n", "track503": "n", "insertDate": "2016-08-17 16:14:41", "lastCheckDate": "0000-00-00
00:00:00", "lastResult": null, "uptime": null, "downtime": null, "averageResponseTime": null, "sendAlert": "y", "sendAltAlert":
"n", "supportEmail": "", "phoneNumbers": "", "phoneNumbersCallAlert": "", "enabled": "y", "outageTime": null, "sendSms": "y",
"callAlert": "n", "portNumber": "80", "checkPeriodOld": null, "downSubject": "", "okSubject": "", "domain": "", "content": "googl
e", "inverseSearch": "n", "strictSSL": "n", "login": "", "password": "", "sendAlertAfter": "1", "dontSendUpAlert": "n", "dontSendS
MSUpAlert": "n", "sendUrlAlert": "y", "customUrlAlert": "http://www.my-
domain.com/webhook.php?mon=apple", "sendJabberAlert": "n", "sendPagerdutyAlert": "n", "pagerdutyApiKey": "", "sendAl
lDownAlerts": "n", "useStaticIP": "n", "usLocationsOnly": "n", "hideSummaryStat": "y", "hideStatusStat": "y", "listOrder": "0",
scheduler": "", "pstTime": "14.0", "daylightSaving": "y", "mappId": "0", "traceroute": "n", "uptimePeriod": "", "groupName": null
}
```

## 9. Remove monitor

Remove existing monitor from account with all history statistics.

### HTTP Method

DELETE

**method** (required)  
monitors/{monitor\_id}

### Example Request:

```
DELETE /api/2.0/monitors/136 HTTP/1.1
Host: www.siteuptime.com
X-Auth-API-Key: 001b980aod26a88ce5699c6dd591541b
Content-Length: 0
```

### Example Response:

```
HTTP/1.1 200 OK
Date: Wed, 17 Aug 2016 10:18:41 GMT
Server: Apache/2.2.17 PHP/5.4.11
X-Powered-By: PHP/5.4.11
Content-Length: 2
Content-Type: application/json

{}
```



