

# Working with Service Monitors

This following describes all of the actions that can be executed with service monitors.

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## Managing Monitors

### Listing Monitors

List service monitors visible to the authenticated user account.

#### Endpoint

To list all service monitors:

```
GET https://youruptime/api/v1/monitors/
```

To list a specific service monitor:

```
GET https://youruptime/api/v1/monitors/<id>/
```

#### Example Request

List all visible service monitors:

```
GET https://youruptime/api/v1/monitors
```

List a specific service monitor (e.g. ID #19):

```
GET https://youruptime/api/v1/monitors/19
```

#### Example Responses

```
GET https://youruptime/api/v1/monitors/
```

```
[
  {
    "description": "Collects basic performance data",
    "elementId": 1,
    "id": 3,
    "isHidden": true,
    "isHostCheck": false,
    "isMonitored": true,
    "name": "Platform Performance Gatherer",
    "type": "ERDCwindows"
  },
  {
    "description": "",
    "elementId": 1,
    "id": 331,
    "isHidden": false,
    "isHostCheck": false,
    "isMonitored": true,
    "name": "FS-monitor-warning win-dleith",
    "type": "File System Capacity"
  },
  {
    "description": "Default uptime check for win-dleith",
    "elementId": 1,
    "id": 1,
    "isHidden": false,
    "isHostCheck": false,
    "isMonitored": true,
    "name": "UPTIME-win-dleith",
    "type": "up.time Agent"
  },
  {
    "description": "Collects general configuration changes",
    "elementId": 1,
    "id": 4,
    "isHidden": true,
    "isHostCheck": false,
    "isMonitored": true,
    "name": "Configuration Update Gatherer",
    "type": "ERDCwindows"
  },
  {
    "description": "Default ping check for win-dleith",
    "elementId": 1,
    "id": 2,
    "isHidden": false,
    "isHostCheck": true,
    "isMonitored": true,
    "name": "PING-win-dleith",
    "type": "Ping"
  },
  {
    "description": "Default ping check for rd-01",
    "elementId": 8,
    "id": 306,
    "isHidden": false,
    "isHostCheck": true,
    "isMonitored": true,
    "name": "PING-rh-01",
    "type": "Ping"
  },
  ...
]
```

## Response Field Details

For each returned service monitor the following fields will be provided:

Field	Type	Description
description	String	description of this service monitor
elementId	Integer	ID for this service monitor's parent Element; can return a null value for unassigned monitors
id	Integer	ID for this Element
isMonitored	Boolean	monitoring status for this Element
isHostCheck	Boolean	returns <code>true</code> if this service monitor is the host check for its parent Element
isHidden	Boolean	hidden monitors are internal monitors that up.time uses, and can generally be ignored
name	String	display name of the service monitor
type	String	the service monitor type, typically as seen in the up.time UI

## Actions On A Service Monitor

### View Service Monitor Status Summary

Produces basic availability information, similar to the status shown on Global Scan. The 'status' task can only be called against one service monitor at a time, based on ID.

#### Endpoint

GET `https://youruptime/api/v1/monitors/<id>/status`

#### Example Response

GET `https://youruptime/api/v1/monitors/1/status`

```
{
  "elementId": 1,
  "elementStatus": {
    {
      "id": 1,
      "isMonitored": true,
      "lastCheckTime": "2012-09-17T14:14:17",
      "lastTransitionTime": "2012-09-13T11:34:24",
      "message": "",
      "name": "win-dleith",
      "powerState": "On",
      "status": "OK"
    },
    "id": 1,
    "isHidden": false,
    "isHostCheck": false,
    "isMonitored": true,
    "lastCheckTime": "2012-09-17T14:13:56",
    "lastTransitionTime": "2012-09-13T11:34:38",
    "message": "",
    "name": "UPTIME-win-dleith",
    "status": "UNKNOWN"
  }
}
```

### Response Field Details

For the returned Element, the following fields will be provided:

Field	Type	Description
elementId	Integer	ID for this service monitor's parent Element; can be null for unassigned monitors
elementStatus	Object	an object listing the status of the parent Element for this monitor (see <a href="#">Element Status Object</a> below for more detail)

id	Integer	ID for this service monitor
isMonitored	Boolean	monitoring Status for this service monitor
isHidden	Boolean	hidden monitors are internal monitors that up.time uses, and can generally be ignored
isHostCheck	Boolean	returns <code>true</code> if this service monitor is the host check for its parent Element
lastCheckTime	String - Date Time	the last time this service monitor was executed successfully
lastTransitionTime	String - Date Time	the last time this service monitor changed status, which can be used to determine time in its current status
message	String	output message produced the last time the service monitor was executed
name	String	name of this service monitor
status	String	last known status of this service monitor

#### Element Status Object

If this service monitor has a parent Element, its status details will be listed in the `elementStatus` object:

Field	Type	Description
id	Integer	ID of the parent Element
isMonitored	Boolean	monitoring status for the parent Element
name	String	display name of the parent Element
message	String	output message produced the last time the parent Element changed status
status	String	last known status of the parent Element
lastCheckTime	String - Date Time	the last time the parent Element's status was successfully checked
lastTransitionTime	String - Date Time	the last time the parent Element changed status, which can be used to determine time in its current status
powerState	String	the current power state of the parent Element (only provided for virtual Elements; all other Elements will return null)