

Pingdom Beta API Documentation



Updated Mar 15, 2011, API version: 2.0

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Introduction

Welcome to the Pingdom API!

The Pingdom API is a way for you to automate your interaction with the Pingdom system. With the API, you can create your own scripts or applications with most of the functionality you can find on the Pingdom Panel.

The Pingdom API is RESTful and HTTP-based. Basically, this means that the communication is made through normal HTTP requests.

Authentication

Authentication is needed in order to use the Pingdom API. You need a Pingdom account of course, and the credentials used for accessing the API is the very same used to access the Pingdom Panel (the web page) - in other words your email address and your password.

The method for authenticating is HTTP Basic Access Authentication (encrypted over HTTPS). This means you will provide your credentials every time you make a request. No sessions are used.

For further information on HTTP Basic Access Authentication, take a look on:

http://en.wikipedia.org/wiki/HTTP_authentication

Providing Parameters

GET requests should provide their parameters as a query string, part of the URL.

POST, PUT and DELETE requests should provide their parameters as a query string. This should be part of the body, URL or a combination.

The encoding of the query string should be standard url-encoding, as provided by various programming libraries.

HTTP/1.1 Status Code Definitions

The HTTP status code returned by a successful API request is defined in the documentation for that method. In most cases, this is 200 OK.

If something goes wrong, other codes may be returned.

This is the standard HTTP/1.1 status codes defined by [RFC 2616](#). Not all of them are used by the Pingdom API, but they are still listed here for reference.

Code	Description
100	Continue
101	Switching Protocols
200	OK
201	Created
202	Accepted
203	Non-Authoritative Information
204	No Content
205	Reset Content
206	Partial Content
300	Multiple Choices
301	Moved Permanently
302	Found
303	See Other
304	Not Modified
305	Use Proxy
306	(Unused)

307	Temporary Redirect
400	Bad Request
401	Unauthorized
402	Payment Required
403	Forbidden
404	Not Found
405	Method Not Allowed
406	Not Acceptable
407	Proxy Authentication Required
408	Request Timeout
409	Conflict
410	Gone
411	Length Required
412	Precondition Failed
413	Request Entity Too Large
414	Request-URI Too Long
415	Unsupported Media Type
416	Requested Range Not Satisfiable
417	Expectation Failed
500	Internal Server Error
501	Not Implemented
502	Bad Gateway
503	Service Unavailable
504	Gateway Timeout
505	HTTP Version Not Supported

JSON Responses

All responses are sent JSON-encoded.

All method-specific responses (i.e. successful ones) are described under each methods section.

However, if something goes wrong, our standard JSON error message (together with an appropriate status code) follows this format:

```
{
  "error": {
    "statuscode": 403,
    "statusdesc": "Forbidden",
    "errormessage": "Something went wrong! This string describes what happened."
  }
}
```

See <http://en.wikipedia.org/wiki/Json> for more information on JSON.

Please note that all attributes of a method response are not always present. A client application should never assume that a certain attribute is present in a response.

Limits

The Pingdom API has usage limits to avoid individual rampant applications degrading the overall user experience. There are two layers of limits,

the first cover a shorter period in time and the second a longer. This enables you to "burst" requests for shorter periods. There are two HTTP headers in every response describing your limits status.

The headers are:

Req-Limit-Short and Req-Limit-Long

An example of the values of these headers:

Req-Limit-Short: Remaining: 394 Time until reset: 3589
Req-Limit-Long: Remaining: 71994 Time until reset: 2591989

In this case, we can see that the user has 394 requests left until the short limit is reached. In 3589 seconds, the short limit will be reset. In similar, the long limit has 71994 requests left, and will be reset in 2591989 seconds.

If you feel restricted by these limits, feel free to contact Pingdom support and request a higher limit. The limits are primarily here to protect the system from badly coded applications, not to restrict you as a user.

gzip

Responses can be gzip-encoded on demand. This is nice if your bandwidth is limited, or if big results are causing performance issues.

To enable gzip, simply add the header
Accept-Encoding: gzip
to your request.

REST Requests

Resource: Actions

Method: Get Actions (Alerts) List

Description

Returns a list of actions (alerts) that has been generated for your account.

URL Syntax

/api/{version}/actions

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
from	Only include actions generated later than this timestamp. Format is UNIX time.	Integer	no		
to	Only include actions generated prior to this timestamp. Format is UNIX time.	Integer	no		
limit	Limits the number of returned results to the specified quantity.	Integer (max 300)	no	100	
offset	Offset for listing.	Integer	no	0	
checkids	Comma-separated list of check identifiers. Limit results to actions generated from these checks.	String	no		
contactids	Comma-separated list of contact identifiers. Limit results to actions sent to these contacts.	String	no	All contacts	

status	Comma-separated list of statuses. Limit results to actions with these statuses.	String (sent, delivered, error, not_delivered, no_credits)	no	All statuses	
via	Comma-separated list of via mediums. Limit results to actions with these mediums.	String (email, sms, twitter, iphone)	no	All mediums	

Response Attributes

Attribute	Description	Type	Additional information
actions.alerts.(entry)	Alert entry	Object	
actions.alerts.(entry).contactname	Name of alerted contact	String	
actions.alerts.(entry).contactid	Identifier of alerted contact	String	
actions.alerts.(entry).checkid	Identifier of check	String	
actions.alerts.(entry).time	Time of alert generation. Format UNIX time	Integer	
actions.alerts.(entry).via	Alert medium	String (email, sms, twitter, iphone)	
actions.alerts.(entry).status	Alert status	String (sent, delivered, error, not_delivered, no_credits)	
actions.alerts.(entry).messageshort	Short description of message	String	
actions.alerts.(entry).messagefull	Full message body	String	
actions.alerts.(entry).sentto	Target address, phone number etc	String	
actions.alerts.(entry).charged	True if your account was charged for this message	Boolean	

Examples

Get a list of the latest alerts.

GET /api/2.0/actions?limit=2

Response:

```
{
  "actions": [ {
    "contactname": "John Doe",
    "contactid": 111250,
    "checkid": 241688,
    "time": 1292248276,
    "via": "sms",
    "status": "delivered",
    "messageshort": "up",
    "messagefull": "PingdomAlert UP: MyCheck (example.com) is UP again at 2010-12-13
14:50:54. Downtime: 12m.",
    "sentto": "46-555555",
    "charged": true
  }, {
    "contactname": "John Doe",
    "contactid": 111250,
    "checkid": 241688,
    "time": 1292248254,
    "via": "email",
    "status": "sent",
    "messageshort": "up",
    "messagefull": "FROM:alert@pingdom.com\r\nTO:john@example.com\r\nSubject:UP alert:
MyCheck (example.com) is UP\r\n\r\nPingdomAlert UP:\r\nMyCheck (example.com) is UP
again at 2010-12-13 14:50:54, after 12m of downtime.",
    "sentto": "john@example.com",
    "charged": false
  }
]
```

Resource: Analysis

Method: Get Error Analysis Results List

Description

Returns a list of the latest error analysis results for a specified check.

URL Syntax

/api/{version}/analysis/{checkid}

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
limit	Limits the number of returned results to the specified quantity.	Integer	no	100	
offset	Offset for listing.	Integer	no	0	Requires limit.

Response Attributes

Attribute	Description	Type	Additional information
analysis.(entry).id	Analysis id	Integer	
analysis.(entry).timefirsttest	Time of test that initiated the confirmation test	Integer	
analysis.(entry).timeconfirmtest	Time of the confirmation test that performed the error analysis	Integer	

Examples

Get a list of the latest analyses for check 161748

GET /api/2.0/analysis/161748

Response:

```
{
  "analysis": [ {
    "id": 28739021,
    "timefirsttest": 1290441826,
    "timeconfirmtest": 1290441865
  }, {
    "id": 28737907,
    "timefirsttest": 1290440924,
    "timeconfirmtest": 1290440932
  }, {
    "id": 28589686,
    "timefirsttest": 1290263024,
    "timeconfirmtest": 1290263059
  }, {
    "id": 28063742,
    "timefirsttest": 1289647724,
    "timeconfirmtest": 1289647760
  } ]
}
```

Method: Get Raw Analysis Results

Description

Returns the raw result for a specified error analysis. This data is primarily intended for internal use, but you might be interested in it as well. However, there is no real documentation for this data at the moment. In the future, we may add a new API method that provides a more user-friendly format.

URL Syntax

/api/{version}/analysis/{checkid}/{analysisid}

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
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Response Attributes

Attribute	Description	Type	Additional information
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Examples

Resource: Checks

Method: Get Check List

Description

Returns a list overview of all checks.

URL Syntax

`/api/{version}/checks`

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
limit	Limits the number of returned probes to the specified quantity.	Integer	no	500	Max value is 25000
offset	Offset for listing.	Integer	no	0	Requires limit.

Response Attributes

Attribute	Description	Type	Additional information
checks.(entry).id	Check identifier	Integer	
checks.(entry).name	Check name	String	
checks.(entry).type	Check type	String	
checks.(entry).lasterrortime	Timestamp of last error (if any). Format is UNIX timestamp	Integer	
checks.(entry).lasttesttime	Timestamp of last test (if any). Format is UNIX timestamp	Integer	
checks.(entry).lastresponsetime	Response time (in milliseconds) of last test.	Integer	
checks.(entry).status	Current status of check	String (up, down, unconfirmed_down, unknown, paused)	

Examples

Get all checks

GET /api/2.0/checks

Response:

```
{
  "checks": [
    {
      "id": 138675,
      "name": "My check",
      "type": "http",
      "lasterrortime": 1288180046,
      "lasttesttime": 1292508337,
      "status": "up"
    },
    {
      "id": 138692,
      "name": "My check 2",
      "lasterrortime": 1292506211,
      "lasttesttime": 1292508321,
      "status": "down"
    },
    {
      "id": 138743,
      "name": "Another check of mine",
      "lasterrortime": 1288166123,
      "lasttesttime": 1292508339,
      "status": "unconfirmed_down"
    }
  ]
}
```

Get all checks using limit and offset

GET /api/2.0/checks?limit=2&offset=1

Response:

```
{
  "checks": [
    {
      "id": 138692,
      "name": "My check 2",
      "lasterrortime": 1292506211,
      "lasttesttime": 1292508321,
      "status": "down"
    },
    {
      "id": 138743,
      "name": "Another check of mine",
      "lasterrortime": 1288166123,
      "lasttesttime": 1292508339,
      "status": "unconfirmed_down"
    }
  ]
}
```

Method: Get Detailed Check Information

Description

Returns a detailed description of a specified check.

URL Syntax

/api/{version}/checks/{checkid}

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
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Response Attributes

General attributes

Attribute	Description	Type	Additional information
check.id	Check identifier	Integer	
check.name	Check name	String	
check.hostname	Target host	String	
check.status	Current check status	String (up, down, unconfirmed_down, unknown, paused)	
check.resolution	How often should the check be tested?	Integer	
check.type	Contains one element representing the type of check and type-specific settings	Object	
check.contactids.(entry)	Identifier of contact who should receive alerts	Integer	
check.sendtoemail	Send alerts as email	Boolean	
check.sendtosms	Send alerts as SMS	Boolean	
check.sendtotwitter	Send alerts through Twitter	Boolean	
check.sendtoiphone	Send alerts to iPhone	Boolean	
check.sendnotificationwhendown	Send notification when down n times	Integer	
check.notifyagainevery	Notify again every n result	Integer	
check.notifywhenbackup	Notify when back up again	Boolean	
check.lasterrortime	Timestamp of last error (if any). Format is UNIX timestamp	Integer	
check.lasttesttime	Timestamp of last test (if any). Format is UNIX timestamp	Integer	
check.created	Creating time. Format is UNIX timestamp	Integer	

HTTP attributes

Attribute	Description	Type	Additional information
check.type.http.url	Path to target on server	String	
check.type.http.encryption	Connection encryption	Boolean	
check.type.http.port	Target port	Integer	

check.type.http.username	Username for target HTTP authentication	String	
check.type.http.password	Password for target HTTP authentication	String	
check.type.http.shouldcontain	Target site should contain this string	String	
check.type.http.shouldnotcontain	Target site should NOT contain this string	String	
check.type.http.postdata	Data that should be posted to the web page, for example submission data for a sign-up or login form. The data needs to be formatted in the same way as a web browser would send it to the web server	String	
check.type.http.requestheaders.*	Custom HTTP header. Entry name should match header name	String	

HTTP Custom attributes

Attribute	Description	Type	Additional information
check.type.httpcustom.url	Path to target XML file on server	String	
check.type.httpcustom.encryption	Connection encryption	Boolean	
check.type.httpcustom.port	Target port	Integer	
check.type.http.username	Username for target HTTP authentication	String	
check.type.http.password	Password for target HTTP authentication	String	
check.type.httpcustom.additionalurls.(entry)	Full URL (including hostname) to target additional XML file.	String	

TCP attributes

Attribute	Description	Type	Additional information
check.type.tcp.port	Target port	Integer	
check.type.tcp.stringtosend	String to send	String	
check.type.tcp.stringtoexpect	String to expect in response	String	

Ping attributes

Attribute	Description	Type	Additional information
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DNS attributes

Attribute	Description	Type	Additional information
check.type.dns.nameserver	DNS server to use	String	
check.type.dns.expectedip	Expected IP	String	

UDP attributes

Attribute	Description	Type	Additional information
check.type.udp.port	Target port	Integer	
check.type.udp.stringtosend	String to send	String	
check.type.udp.stringtoexpect	String to expect in response	String	

SMTP attributes

Attribute	Description	Type	Additional information
check.type.smtp.port	Target port	Integer	
check.type.smtp.username	Username for target SMTP authentication	String	
check.type.smtp.password	Password for target SMTP authentication	String	

check.type.smtp.encryption	Connection encryption	Boolean	
check.type.smtp.stringtoexpect	String to expect in response	String	

POP3 attributes

Attribute	Description	Type	Additional information
check.type.pop3.port	Target port	Integer	
check.type.pop3.encryption	Connection encryption	Boolean	
check.type.pop3.stringtoexpect	String to expect in response	String	

IMAP attributes

Attribute	Description	Type	Additional information
check.type.imap.port	Target port	Integer	
check.type.imap.encryption	Connection encryption	Boolean	
check.type.imap.stringtoexpect	String to expect in response	String	

Examples

Get detailed information about check 85975

GET /api/2.0/checks/85975

Response:

```
{
  "check": {
    "id": 85975,
    "name": "My check 7",
    "resolution": 1,
    "sendtoemail": false,
    "sendtosms": false,
    "sendtotwitter": false,
    "sendtoiphone": false,
    "sendnotificationwhendown": 0,
    "notifyagainenever": 0,
    "notifywhenbackup": false,
    "created": 1240394682,
    "type": {
      "http": {
        "url": "/",
        "port": 80,
        "requestheaders": {
          "User-Agent": "Pingdom.com_bot_version_1.4_(http://www.pingdom.com/)"
        }
      }
    },
    "hostname": "s7.mydomain.com",
    "status": "up",
    "lasterrortime": 1293143467,
    "lasttesttime": 1294064823
  }
}
```

Method: Create New Check

Description

Creates a new check with settings specified by provided parameters.

URL Syntax

/api/{version}/checks

HTTP Method

POST

Successful HTTP Response

200

Parameters

General parameters for ALL new checks

Parameter name	Description	Type	Mandatory	Default	Additional information
name	Check name	String	yes		
host	Target host	String	yes		
type	Type of check	String (http, httpcustom, tcp, ping, dns, udp, smtp, pop3, imap)	yes		
paused	Paused	Boolean	no	false	
resolution	Check resolution	Integer (1, 5, 15, 30, 60)	no	5	
contactids	Contact identifiers. For example contactids=154325,465231,765871	Comma separated Integers	no		
sendtoemail	Send alerts as email	Boolean	no	false	
sendtosms	Send alerts as SMS	Boolean	no	false	
sendtotwitter	Send alerts through Twitter	Boolean	no	false	
sendtoiphone	Send alerts to iPhone	Boolean	no	false	
sendnotificationwhendown	Send notification when down n times	Integer	no	2	
notifyagainevery	Notify again every n result. 0 means that no extra notifications will be sent.	Integer	no	0	
notifywhenbackup	Notify when back up again	Boolean	no	true	

Type-specific parameters for HTTP checks

Parameter name	Description	Type	Mandatory	Default	Additional information
url	Target path on server	String	no	/	
encryption	Connection encryption	Boolean	no	false	
port	Target port	Integer	no	80	
auth	Username and password for target HTTP authentication. Example: user:password	String	no		
shouldcontain	Target site should contain this string	String	no		
shouldnotcontain	Target site should NOT contain this string	String	no		
postdata	Data that should be posted to the web page, for example submission data for a sign-up or login form. The data needs to be formatted in the same way as a web browser would send it to the web server	String	no		

requestheadername{X}	Custom HTTP header name. Replace {X} with a number unique for each header argument. Example: requestheadername1=My-Header:CoolValue	String	no		
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Type-specific parameters for HTTP Custom checks

Parameter name	Description	Type	Mandatory	Default	Additional information
url	Target path to XML file on server	String	yes		
encryption	Connection encryption	Boolean	no	false	
port	Target port	Integer	no	80	
auth	Username and password for target HTTP authentication. Example: user:password	String	no		
additionalurls	;-separated list of additional URLs with hostname included. Example: additionalurls=www.mysite.com;www.myothersite.com	String	no		

Type-specific parameters for TCP checks

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	yes		
stringtosend	String to send	String	no		
stringtoexpect	String to expect in response	String	no		

Type-specific parameters for Ping checks

Parameter name	Description	Type	Mandatory	Default	Additional information
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Type-specific parameters for DNS checks

Parameter name	Description	Type	Mandatory	Default	Additional information
expectedip	Expected ip	String	yes		
nameserver	Nameserver	String	yes		

Type-specific parameters for UDP checks

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	yes		
stringtosend	String to send	String	yes		
stringtoexpect	String to expect in response	String	yes		

Type-specific parameters for SMTP checks

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	no	25	
auth	Username and password for target SMTP authentication. Example: user:password	String	no		
stringtoexpect	String to expect in response	String	no		
encryption	Connection encryption	Boolean	no	false	

Type-specific parameters for POP3 checks

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

port	Target port	Integer	no	110	
stringtoexpect	String to expect in response	String	no		
encryption	Connection encryption	Boolean	no	false	

Type-specific parameters for IMAP checks

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	no	143	
stringtoexpect	String to expect in response	String	no		
encryption	Connection encryption	Boolean	no	false	

Response Attributes

Attribute	Description	Type	Additional information
check.id	New check identifier	Integer	
check.name	New check name	String	

Examples

Create a new HTTP check for www.mydomain.com with default settings

```
POST /api/2.0/checks
body:
name=My+new+HTTP+check&type=http&host=www.mydomain.com
```

Response:

```
{
  "check": {
    "id": 138631,
    "name": "My new HTTP check"
  }
}
```

Create a new SMTP check for smtp.mymailserver.com with SSL/TLS encryption, provided user/password, 15 minutes check resolution, with SMS and email alerts to contacts 123456 and 789012 after 1 down result

```
POST /api/2.0/checks
body:
name=My+new+SMTP+check&type=smtp&resolution=15&sendtoemail=true&sendtosms=true&sendnotificationwhendown=1&contactid=123456,789012
```

Response:

```
{
  "check": {
    "id": 138632,
    "name": "My new SMTP check"
  }
}
```

Method: Modify Check

Description

Modify settings for a check. The provided settings will overwrite previous values. Settings not provided will stay the same as before the update. To clear an existing value, provide an empty value. Please note that you cannot change the type of a check once it has been created.

URL Syntax

/api/{version}/checks/{checkid}

HTTP Method

PUT

Successful HTTP Response

200

Parameters

General parameters for ALL checks

Parameter name	Description	Type	Mandatory	Default	Additional information
name	Check name	String	no		
host	Target host	String	no		
paused	Paused	Boolean	no		
resolution	Check resolution	Integer (1, 5, 15, 30, 60)	no		
contactids	Contact identifiers. For example contactids=154325,465231,765871	Comma separated Integers	no		
sendtoemail	Send alerts as email	Boolean	no		
sendtosms	Send alerts as SMS	Boolean	no		
sendtotwitter	Send alerts through Twitter	Boolean	no		
sendtoiphone	Send alerts to iPhone	Boolean	no		
sendnotificationwhendown	Send notification when down n times	Integer	no		
notifyagainevery	Notify again every n result. 0 means that no extra notifications will be sent.	Integer	no		
notifywhenbackup	Notify when back up again	Boolean	no		

Type-specific parameters for HTTP checks

Parameter name	Description	Type	Mandatory	Default	Additional information
url	Target path on server	String	no		
encryption	Connection encryption	Boolean	no		
port	Target port	Integer	no		
auth	Username and password for target HTTP authentication. Example: user:password	String	no		
shouldcontain	Target site should contain this string	String	no		
shouldnotcontain	Target site should NOT contain this string	String	no		
postdata	Data that should be posted to the web page, for example submission data for a sign-up or login form. The data needs to be formatted in the same way as a web browser would send it to the web server	String	no		
requestheadername{X}	Custom HTTP header name. Replace {X} with a number unique for each header argument. Example: requestheadername1=My-Header:CoolValue	String	no		

Type-specific parameters for HTTP Custom checks

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

url	Target path to XML file on server	String	no		
encryption	Connection encryption	Boolean	no		
port	Target port	Integer	no		
auth	Username and password for target HTTP authentication. Example: user:password	String	no		
additionalurls	;-separated list of additional URLs with hostname included. Example: additionalurls=www.mysite.com;www.myothersite.com	String	no		

Type-specific parameters for TCP checks

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	no		
stringtosend	String to send	String	no		
stringtoexpect	String to expect in response	String	no		

Type-specific parameters for Ping checks

Parameter name	Description	Type	Mandatory	Default	Additional information
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Type-specific parameters for DNS checks

Parameter name	Description	Type	Mandatory	Default	Additional information
expectedip	Expected ip	String	no		
nameserver	Nameserver	String	no		

Type-specific parameters for UDP checks

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	no		
stringtosend	String to send	String	no		
stringtoexpect	String to expect in response	String	no		

Type-specific parameters for SMTP checks

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	no		
auth	Username and password for target SMTP authentication. Example: user:password	String	no		
stringtoexpect	String to expect in response	String	no		
encryption	Connection encryption	Boolean	no		

Type-specific parameters for POP3 checks

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	no	110	
stringtoexpect	String to expect in response	String	no		
encryption	Connection encryption	Boolean	no		

Type-specific parameters for IMAP checks

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	no	143	
stringtoexpect	String to expect in response	String	no		
encryption	Connection encryption	Boolean	no		

Response Attributes

Attribute	Description	Type	Additional information
message	Message	String	

Examples

Change user/password and resolution on SMTP check 138632

```
PUT /api/2.0/checks/138632
body:
auth=newuser%3Anewpassword&resolution=30
```

Response:

```
{
  "message": "Modification of check was successful!"
}
```

Pause check 138632

```
PUT /api/2.0/checks/138632
body:
paused=true
```

Response:

```
{
  "message": "Modification of check was successful!"
}
```

Method: Delete Check

Description

Deletes a check. THIS METHOD IS IRREVERSIBLE! You will lose all collected data. Be careful!

URL Syntax

```
/api/{version}/checks/{checkid}
```

HTTP Method

DELETE

Successful HTTP Response

200

Parameters

None

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

Response Attributes

Attribute	Description	Type	Additional information
message	Message	String	

Examples

Permanently delete check 134536

DELETE /api/2.0/checks/134536

Response:

```
{
  "message": "Deletion of check was successful!"
}
```

Resource: Contacts

Method: Get Contacts List

Description

Returns a list of all contacts.

URL Syntax

/api/{version}/contacts

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
limit	Limits the number of returned contacts to the specified quantity.	Integer	no	100	
offset	Offset for listing.	Integer	no	0	Requires limit.

Response Attributes

Attribute	Description	Type	Additional information
contacts.(entry).id	Contact identifier	Integer	
contacts.(entry).name	Contact name	String	
contacts.(entry).email	Contact email	String	
contacts.(entry).cellphone	Contact cellphone	String	
contacts.(entry).defaultsmsprovider	Default SMS provider	String	
contacts.(entry).directtwitter	Send Twitter messages in Direct Mode	Boolean	
contacts.(entry).twitteruser	Twitter username	String	
contacts.(entry).iphonetokens.(entry)	iPhone token	String	
contacts.(entry).paused	True if contact is paused	Boolean	

Examples

GET /api/2.0/contacts

Response:

```
{
  "contacts" : [ {
    "id" : 111250,
    "name" : "John Doe",
    "email" : "john@johnsdomain.com",
    "cellphone" : "46-5555555",
    "defaultsmsprovider" : "clickatell",
    "directtwitter" : false,
    "paused" : false
  } ]
}
```

Method: Create Contact

Description

Create a new contact.

URL Syntax

/api/{version}/contacts

HTTP Method

POST

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
name	Name	String	yes		
email	Email	String	no		
cellphone	Cellphone number, without the country code part. In some countries you are supposed to exclude leading zeroes.	String	no		Requires countrycode and countryiso
countrycode	Cellphone country code	String	no		Requires cellphone and countryiso
countryiso	Cellphone country ISO code. For example: US (USA), GB (Britain) or SE (Sweden)	String	no		Requires cellphone and countrycode
defaultsmsprovider	Default SMS provider	String (clickatell, bulksms, esendex, cellsynt)	no	clickatell	
directtwitter	Send twitter messages in Direct Mode	Boolean	no	true	
twitteruser	Twitter user	String	no		

Response Attributes

Attribute	Description	Type	Additional information
contact.id	New contact identifier	Integer	
contact.name	New contact name	String	

Examples

```
POST /api/2.0/contacts
body:
cellphone=705555555&countrycode=46&countryiso=se&email=danny%40dannysdomain.com&name=Danny+Boy
```

Response:

```
{
  "contact": {
    "id": 786111,
    "name": "Danny Boy"
  }
}
```

Method: Modify Contact

Description

Modify a contact.

URL Syntax

```
/api/{version}/contacts/{contactid}
```

HTTP Method

PUT

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
name	Name	String	no		
email	Email	String	no		
cellphone	Cellphone number, without the country code part. In some countries you are supposed to exclude leading zeroes.	String	no		Requires countrycode and countryiso
countrycode	Cellphone country code	String	no		Requires cellphone and countryiso
countryiso	Cellphone country ISO code. For example: US (USA), GB (Britain) or SE (Sweden)	String	no		Requires cellphone and countrycode
defaultsmsprovider	Default SMS provider	String (clickatell, bulksms, esendex, cellsynt)	no		
directtwitter	Send twitter messages in Direct Mode	Boolean	no		
twitteruser	Twitter user	String	no		

paused	Pause contact	Boolean	no		
--------	---------------	---------	----	--	--

Response Attributes

Attribute	Description	Type	Additional information
message	Message	String	

Examples

Change email on contact 786111

```
PUT /api/2.0/contacts/786111
body:
email=newmail%40dannysdomain.com
```

Response:

```
{
  "message": "Modification of contact was successful!"
}
```

Method: Delete Contact

Description

Deletes a contact.

URL Syntax

```
/api/{version}/contacts/{contactid}
```

HTTP Method

DELETE

Successful HTTP Response

200

Parameters

None

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

Response Attributes

Attribute	Description	Type	Additional information
message	Message	String	

Examples

Permanently delete contact 657234

```
DELETE /api/2.0/contacts/657234
```

Response:

```
{
  "message": "Deletion of contact was successful!"
}
```

Resource: Probes

Method: Get Probe Server List

Description

Returns a list of all Pingdom probe servers.

URL Syntax

/api/{version}/probes

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
limit	Limits the number of returned probes to the specified quantity.	Integer	no		
offset	Offset for listing.	Integer	no	0	Requires limit.
onlyactive	Return only active probes.	Boolean	no	false	
includedeleted	Include old probes that are no longer in use	Boolean	no	false	

Response Attributes

Attribute	Description	Type	Additional information
probes	A list of probes	Array	
probes.(entry)	Probe body	Object	
probes.(entry).id	Unique probe id	Integer	
probes.(entry).country	Country	String	
probes.(entry).city	City	String	
probes.(entry).name	Name	String	
probes.(entry).active	Is the probe currently active?	Boolean	
probes.(entry).hostname	DNS name	String	
probes.(entry).ip	IP address	String	
probes.(entry).countryiso	Country ISO code	String	

Examples

Get all (existing) probes

GET /api/2.0/probes

Response:

```
{
  "probes": [
    {
      "id": 1,
      "country": "United Kingdom",
      "city": "Manchester",
      "name": "Manchester, UK",
      "active": true,
      "hostname": "s424.pingdom.com",
      "ip": "212.84.74.156",
      "countryiso": "GB"
    },
    {
      "id": 2,
      "country": "United States",
      "city": "New York",
      "name": "New York, NY",
      "active": true,
      "hostname": "s413.pingdom.com",
      "ip": "70.32.40.2",
      "countryiso": "US"
    },
    {
      "id": 3,
      "country": "Denmark",
      "city": "Copenhagen",
      "name": "Copenhagen, Denmark",
      "active": true,
      "hostname": "s416.pingdom.com",
      "ip": "82.103.128.63",
      "countryiso": "DK"
    }
  ]
}
```

Resource: Reference

Method: Get Reference

Description

Get a reference of regions, timezones and date/time/number formats and their identifiers.

URL Syntax

/api/{version}/reference

HTTP Method

GET

Successful HTTP Response

200

Parameters

None

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

Response Attributes

Attribute	Description	Type	Additional information
regions.id	Region identifier	Integer	
regions.description	Region description	String	
timezones.id	Time zone identifier	Integer	
timezones.description	Time zone description	String	
datetimeformats.id	Date/time format identifier	Integer	
datetimeformats.description	Date/time format description	String	
numberformats.id	Number format identifier	Integer	
numberformats.description	Number format description	String	

Examples

GET /api/2.0/reference

Response:

```
{
  "regions": [ {
    "id": 2,
    "description": "United States (Alaska)"
  }, {
    "id": 1,
    "description": "United States (Hawaii)"
  }, {
    "id": 3,
    "description": "United States (Pacific Time)"
  }, {
    "id": 4,
    "description": "United States (Mountain Time)"
  }, {
    "id": 5,
    "description": "United States (Central Time)"
  }, {
    "id": 6,
    "description": "United States (Eastern Time)"
  }, {
    "id": 7,
    "description": "Sweden"
  }, {
    "id": 8,
    "description": "United Kingdom"
  }, {
    "id": 9,
    "description": "India"
  }, {
    "id": 10,
    "description": "Canada (Pacific Time)"
  }, {
    "id": 11,
    "description": "Canada (Mountain Time)"
  }, {
    "id": 12,
    "description": "Canada (Central Time)"
  }, {

```

```
"id" : 13,
"description" : "Canada (Eastern Time)"
}, {
  "id" : 14,
  "description" : "Canada (Atlantic Time)"
}, {
  "id" : 15,
  "description" : "Canada (Newfoundland)"
}, {
  "id" : 16,
  "description" : "China"
}, {
  "id" : 17,
  "description" : "Australia (Adelaide)"
}, {
  "id" : 18,
  "description" : "Australia (Canberra, Melbourne, Sydney)"
}, {
  "id" : 19,
  "description" : "Turkey"
}, {
  "id" : 20,
  "description" : "Spain"
}, {
  "id" : 21,
  "description" : "Brazil (Eastern Time)"
}, {
  "id" : 22,
  "description" : "Brazil (Atlantic Time)"
}, {
  "id" : 23,
  "description" : "Brazil (Brazil, Buenos Aires, Georgetown)"
}, {
  "id" : 24,
  "description" : "Brazil (Mid-Atlantic)"
}, {
  "id" : 25,
  "description" : "Indonesia (Bangkok, Hanoi, Jakarta)"
}, {
  "id" : 26,
  "description" : "Indonesia (Beijing, Perth, Singapore, Hong Kong)"
}, {
  "id" : 27,
  "description" : "Indonesia (Tokyo, Seoul, Osaka)"
}, {
  "id" : 28,
  "description" : "Romania"
}, {
  "id" : 29,
  "description" : "Mexico (Pacific Time)"
}, {
  "id" : 30,
  "description" : "Mexico (Mountain Time)"
}, {
  "id" : 31,
  "description" : "Mexico (Central Time)"
}, {
  "id" : 32,
  "description" : "Bulgaria"
}, {
  "id" : 33,
  "description" : "Portugal (Azores)"
}, {
```

```
"id" : 34,
"description" : "Portugal (Western Europe Time, London, Lisbon)"
}, {
  "id" : 35,
  "description" : "Egypt"
}, {
  "id" : 36,
  "description" : "Italy"
}, {
  "id" : 37,
  "description" : "Pakistan"
}, {
  "id" : 38,
  "description" : "France"
}, {
  "id" : 39,
  "description" : "New Zealand"
}, {
  "id" : 40,
  "description" : "Australia (Lord Howe Island)"
}, {
  "id" : 41,
  "description" : "New Zealand (Chatham Islands)"
}, {
  "id" : 42,
  "description" : "Germany"
}, {
  "id" : 43,
  "description" : "Saudi Arabia"
}, {
  "id" : 44,
  "description" : "Australia (Perth)"
} ],
"timezones" : [ {
  "id" : 1,
  "description" : "(GMT -12:00) Eniwetok, Kwajalein"
}, {
  "id" : 2,
  "description" : "(GMT -11:00) Midway Island, Samoa"
}, {
  "id" : 3,
  "description" : "(GMT -10:00) Hawaii"
}, {
  "id" : 4,
  "description" : "(GMT -9:00) Alaska"
}, {
  "id" : 5,
  "description" : "(GMT -8:00) Pacific Time (US & Canada)"
}, {
  "id" : 6,
  "description" : "(GMT -7:00) Mountain Time (US & Canada)"
}, {
  "id" : 7,
  "description" : "(GMT -6:00) Central Time (US & Can.), Mexico"
}, {
  "id" : 8,
  "description" : "(GMT -5:00) Eastern Time (US & Can.)"
}, {
  "id" : 9,
  "description" : "(GMT -4:00) Atlantic Time (Can.)"
}, {
  "id" : 10,
  "description" : "(GMT -3:30) Newfoundland"
```

```
, {
  "id": 11,
  "description": "(GMT -3:00) Brazil, Buenos Aires, Georgetown"
}, {
  "id": 12,
  "description": "(GMT -2:00) Mid-Atlantic"
}, {
  "id": 13,
  "description": "(GMT -1:00 hour) Azores"
}, {
  "id": 14,
  "description": "(GMT) Western Europe Time, London, Lisbon"
}, {
  "id": 15,
  "description": "(GMT +1:00 hour) Brussels, Copenhagen, Madrid"
}, {
  "id": 16,
  "description": "(GMT +2:00) Athens, Cairo"
}, {
  "id": 17,
  "description": "(GMT +3:00) Baghdad, Moscow, Riyadh"
}, {
  "id": 18,
  "description": "(GMT +3:30) Tehran"
}, {
  "id": 19,
  "description": "(GMT +4:00) Abu Dhabi, Muscat"
}, {
  "id": 20,
  "description": "(GMT +4:30) Kabul"
}, {
  "id": 21,
  "description": "(GMT +5:00) Islamabad, Karachi"
}, {
  "id": 22,
  "description": "(GMT +5:30) Bombay, Calcutta, Colombo, New Delhi"
}, {
  "id": 23,
  "description": "(GMT +6:00) Almaty, Dhaka"
}, {
  "id": 24,
  "description": "(GMT +7:00) Bangkok, Hanoi, Jakarta"
}, {
  "id": 25,
  "description": "(GMT +8:00) Beijing, Perth, Singapore, Hong Kong"
}, {
  "id": 26,
  "description": "(GMT +9:00) Tokyo, Seoul, Osaka"
}, {
  "id": 27,
  "description": "(GMT +9:30) Adelaide"
}, {
  "id": 28,
  "description": "(GMT +10:00) Canberra, Melbourne, Sydney"
}, {
  "id": 29,
  "description": "(GMT +11:00) Solomon Isl., New Caledonia"
}, {
  "id": 30,
  "description": "(GMT +12:00) Auckland, Fiji, Kamchatka"
}, {
  "id": 32,
  "description": "(GMT +10:30) Lord Howe Island"
```

```

}, {
  "id": 33,
  "description": "(GMT +12:45) Chatham Islands"
}, {
  "id": 34,
  "description": "(GMT +10:00) Brisbane"
}, {
  "id": 35,
  "description": "(GMT +13:00) New Zealand Daylight Time, Tonga"
}, {
  "id": 36,
  "description": "(GMT) Reykjavik"
}, {
  "id": 37,
  "description": "(GMT +2:00) South African Standard Time"
}, {
  "id": 38,
  "description": "(GMT -4:30) Caracas"
}, {
  "id": 39,
  "description": "(GMT -6:00) Central America, El Salvador"
} ],
"datetimeformats": [ {
  "id": 1,
  "description": "07/31/2006 02:45:05pm"
}, {
  "id": 2,
  "description": "31/07/2006 02:45:05pm"
}, {
  "id": 3,
  "description": "31/07/2006 14:45:05"
}, {
  "id": 4,
  "description": "2006-07-31 14:45:05"
}, {
  "id": 5,
  "description": "31.07.2006. 14:45:05"
}, {
  "id": 6,
  "description": "31/07/2006 14h45m05"
}, {
  "id": 7,
  "description": "31-07-2006 02:45:05pm"
}, {
  "id": 8,
  "description": "31-07-2006 14:45:05"
} ],
"numberformats": [ {
  "id": 1,
  "description": "123,456,789.00"
}, {
  "id": 2,
  "description": "123 456 789.00"
}, {
  "id": 3,
  "description": "123456789.00"
}, {
  "id": 4,
  "description": "123.456.789,00"
}, {
  "id": 5,
  "description": "123 456 789,00"
}, {

```

```
    "id" : 6,
    "description" : "123456789,00"
  } ]
}
```

Resource: Reports.email

Method: Get Email Report Subscription List

Description

Returns a list of email report subscriptions.

URL Syntax

/api/{version}/reports.email

HTTP Method

GET

Successful HTTP Response

200

Parameters

None

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

Response Attributes

Attribute	Description	Type	Additional information
subscriptions.(entry).id	Subscription identifier	Integer	
subscriptions.(entry).name	Subscription name	String	
subscriptions.(entry).type	Subscription type	String	
subscriptions.(entry).checkid	Check identifier for check subscriptions	String	
subscriptions.(entry).frequency	Report frequency	String	
subscriptions.(entry).additionalemails.(entry)	Additional receiving email	String	
subscriptions.(entry).contactids.(entry)	Identifier for receiving contact	String	

Examples

GET /api/2.0/reports.email

Response:

```
{
  "subscriptions" : [ {
    "id" : 114979,
    "name" : "My subscription",
    "type" : "overview",
    "frequency" : "monthly",
    "contactids" : [ 111250 ]
  } ]
}
```

Method: Create Email Report

Description

Creates a new email report.

URL Syntax

/api/{version}/reports.email

HTTP Method

POST

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
name	Name	String	yes		
checkid	Check identifier. If omitted, this will be an overview report	Integer	no		
frequency	Report frequency	String (monthly, weekly, daily)	no	monthly	
contactids	Comma separated list of receiving contact identifiers	String	no		
additionalemails	Comma separated list of additional receiving emails	String	no		

Response Attributes

Attribute	Description	Type	Additional information
message	Message	String	

Examples

```
POST /api/2.0/reports.email
body:
name=My+subscription&frequency=weekly&contactids=123456,134253
```

Response:

```
{
  "message": "Subscription added"
}
```

Method: Modify Email Report

Description

Modify an email report.

URL Syntax

/api/{version}/reports.email/{reportid}

HTTP Method

PUT

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
name	Name	String	no		
checkid	Check identifier. If omitted, this will be an overview report	Integer	no		
frequency	Report frequency	String (monthly, weekly, daily)	no		
contactids	Comma separated list of receiving contact identifiers	String	no		
additionalemails	Comma separated list of additional receiving emails	String	no		

Response Attributes

Attribute	Description	Type	Additional information
message	Message	String	

Examples

```
PUT /api/2.0/reports.email/634253
body:
name=My+subscription+modified&frequency=monthly&contactids=123456
```

Response:

```
{
  "message": "Subscription modified"
}
```

Method: Delete Email Report

Description

Delete an email report.

URL Syntax

```
/api/{version}/reports.email/{reportid}
```

HTTP Method

DELETE

Successful HTTP Response

200

Parameters

None

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

Response Attributes

Attribute	Description	Type	Additional information
message	Message	String	

Examples

```
DELETE /api/2.0/reports.email/634253
```

Response:

```
{
  "message": "Subscription deleted"
}
```

Resource: Reports.public

Method: Get Public Report List

Description

Returns a list of public (web-based) reports.

URL Syntax

```
/api/{version}/reports.public
```

HTTP Method

GET

Successful HTTP Response

200

Parameters

None

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

Response Attributes

Attribute	Description	Type	Additional information
public.(entry).checkid	Check identifier	Integer	
public.(entry).checkname	Check name	String	
public.(entry).reporturl	URL to report	String	

Examples

```
GET /api/2.0/reports.public
```

Response:

```
{
  "public": [ {
    "checkid": 85975,
    "checkname": "ubuntu packages",
    "reporturl": "
http://www.pingdom.com/reports/rwknj2rkd39h/check_overview/?name=ubuntu+packages"
  } ]
}
```

Method: Publish Public Report

Description

Activate public report for a specified check.

URL Syntax

/api/{version}/reports.public/{checkid}

HTTP Method

PUT

Successful HTTP Response

200

Parameters

None

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

Response Attributes

Attribute	Description	Type	Additional information
message	Message	String	

Examples

```
PUT /api/2.0/reports.public/123456
```

Response:

```
{  
  "message": "Check published"  
}
```

Method: Withdraw Public Report

Description

Deactivate public report for a specified check.

URL Syntax

/api/{version}/reports.public/{checkid}

HTTP Method

DELETE

Successful HTTP Response

200

Parameters

None

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

Response Attributes

Attribute	Description	Type	Additional information
message	Message	String	

Examples

```
DELETE /api/2.0/reports.public/123456
```

Response:

```
{
  "message": "Check unpublished"
}
```

Resource: Reports.shared

Method: Get Shared Reports (Banners) List

Description

Returns a list of shared reports (banners).

URL Syntax

```
/api/{version}/reports.shared
```

HTTP Method

GET

Successful HTTP Response

200

Parameters

None

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

Response Attributes

Attribute	Description	Type	Additional information
shared.banners.(entry).id	Banner identifier	Integer	
shared.banners.(entry).name	Banner name	String	
shared.banners.(entry).checkid	Check identifier	Integer	
shared.banners.(entry).auto	Automatic period activated?	Boolean	
shared.banners.(entry).type	Banner type	String (response, uptime)	
shared.banners.(entry).url	Banner URL	String	
shared.banners.(entry).fromyear	Period start: year	Integer	
shared.banners.(entry).frommonth	Period start: month	Integer	
shared.banners.(entry).fromday	Period start: day	Integer	
shared.banners.(entry).toyear	Period end: year	Integer	
shared.banners.(entry).tomonth	Period end: month	Integer	
shared.banners.(entry).today	Period end: day	Integer	

Examples

GET /api/2.0/reports.shared

Response:

```
{
  "shared" : {
    "banners" : [ {
      "id" : "9338512f",
      "name" : "mydomain.com",
      "checkid" : 241688,
      "auto" : true,
      "type" : "uptime",
      "url" : "http://share.pingdom.com/banners/9338512f"
    }, {
      "id" : "476a37ba",
      "name" : "myotherdomain.com",
      "checkid" : 241688,
      "auto" : true,
      "type" : "uptime",
      "url" : "http://share.pingdom.com/banners/476a37ba"
    } ]
  }
}
```

Method: Create Shared Report (Banner)

Description

Create a shared report (banner).

URL Syntax

/api/{version}/reports.shared

HTTP Method

POST

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
sharedtype	Shared report type. For now, only "banner" is valid	String (banner)	yes		
checkid	Identifier of target check	Integer	yes		
auto	Automatic period	Boolean	no	true	If false, requires: fromyear, frommonth, fromday, toyear, tomonth, today
fromyear	Period start: year	Integer	no		
frommonth	Period start: month	Integer	no		
fromday	Period start: day	Integer	no		
toyear	Period end: year	Integer	no		
tomonth	Period end: month	Integer	no		
today	Period end: day	Integer	no		

type	Banner type	String (uptime, response)	no	uptime	
------	-------------	---------------------------	----	--------	--

Response Attributes

Attribute	Description	Type	Additional information
message	Message	String	

Examples

```
POST /api/2.0/reports.shared
body:
sharedtype=banner&checkid=123456
```

Response:

```
{
  "message": "Banner created"
}
```

Method: Delete Shared Report (Banner)

Description

Delete a shared report (banner).

URL Syntax

```
/api/{version}/reports.shared/{reportid}
```

HTTP Method

DELETE

Successful HTTP Response

200

Parameters

None

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

Response Attributes

Attribute	Description	Type	Additional information
message	Message	String	

Examples

```
DELETE /api/2.0/reports.shared/476a37ba
```

Response:

```
{
  "message": "Banner deleted"
}
```

Resource: Results

Method: Get Raw Check Results

Description

Return a list of raw test results for a specified check

URL Syntax

/api/{version}/results/{checkid}

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
to	End of period. Format is UNIX timestamp	Integer	no	current time	
from	Start of period. Format is UNIX timestamp	Integer	no	0	
probes	Filter to only show results from a list of probes. Format is a comma separated list of probe identifiers	String	no	all probes	
status	Filter to only show results with specified statuses. Format is a comma separated list of (down, up, unconfirmed, unknown)	String	no	all statuses	
limit	Number of results to show	Integer	no	100	Will be set to 100 if the provided value is greater than 100
includeanalysis	Attach available error analysis identifiers to corresponding results	Boolean	no	false	

Response Attributes

Attribute	Description	Type	Additional information
results.(entry).probeid	Probe identifier	Integer	
results.(entry).time	Time when test was performed. Format is UNIX timestamp	Integer	
results.(entry).status	Result status	String (up, down, unconfirmed_down, unknown)	
results.(entry).responsetime	Response time (in milliseconds)	Integer	Will be 0 if no response was received
results.(entry).statusdesc	Short status description	String	
results.(entry).statusdesclong	Long status description	String	
results.(entry).analysisid	Long status description	String	
activeprobes	For your convinience, a list of used probes that produced the showed results	Array	
activeprobes.(entry)	Probe identifier	Integer	

Examples

Get the 5 latest results for check 85975

GET /api/2.0/results/85975?limit=5

Response:

```
{
  "results": [ {
    "probeid": 33,
    "time": 1294235764,
    "status": "up",
    "responsetime": 91,
    "statusdesc": "OK",
    "statusdesclong": "OK"
  }, {
    "probeid": 34,
    "time": 1294235703,
    "status": "up",
    "responsetime": 442,
    "statusdesc": "OK",
    "statusdesclong": "OK"
  }, {
    "probeid": 35,
    "time": 1294235643,
    "status": "up",
    "responsetime": 187,
    "statusdesc": "OK",
    "statusdesclong": "OK"
  }, {
    "probeid": 36,
    "time": 1294235583,
    "status": "up",
    "responsetime": 403,
    "statusdesc": "OK",
    "statusdesclong": "OK"
  }, {
    "probeid": 37,
    "time": 1294235523,
    "status": "up",
    "responsetime": 111,
    "statusdesc": "OK",
    "statusdesclong": "OK"
  } ],
  "activeprobes": [ 33, 34, 35, 36, 37 ]
}
```

Resource: Sertime

Method: Get Current Server Time

Description

Get the current time of the API server.

URL Syntax

/api/{version}/sertime

HTTP Method

GET

Successful HTTP Response

200

Parameters

None

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

Response Attributes

Attribute	Description	Type	Additional information
servertime	Current server time. Format is UNIX timestamp	Integer	

Examples

```
GET /api/2.0/servertime
```

Response:

```
{
  "servertime" : 1294237910
}
```

Resource: Settings

Method: Get Account Settings

Description

Returns all account-specific settings.

URL Syntax

```
/api/{version}/settings
```

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
----------------	-------------	------	-----------	---------	------------------------

Response Attributes

Attribute	Description	Type	Additional information
settings.firstname	First name	String	
settings.lastname	Last name	String	
settings.company	Company	String	
settings.email	Email	String	
settings.phone	Phone	String	
settings.cellphone	Cellphone	String	
settings.address	Address line 1	String	

settings.address2	Address line 2	String	
settings.zip	Zip, postal code or equivalent	String	
settings.location	City / location	String	
settings.state	State or equivalent	String	
settings.autologout	Enable auto-logout	Boolean	
settings.country	Country	Object	
settings.country.name	Country name	Object	
settings.country.iso	Country ISO-code	Object	
settings.region	Region	String	
settings.accountcreated	Account creation timestamp, UNIX time format	Integer	
settings.timezone	Time zone	Object	
settings.timezone.id	Time zone name	String	
settings.timezone.description	Time zone description	String	
settings.dateformat	Date format	String	
settings.timeformat	Time format	String	
settings.numberformat	Number format	String	
settings.numberexample	Example of number presentation	String	
settings.publicreports	Public reports settings	String	
settings.publicreports.customdesign	Use custom design for public reports	Boolean	
settings.publicreports.textcolor	Custom text color	String	
settings.publicreports.backgroundcolor	Background color	String	
settings.publicreports.logourl	URL to custom logotype	String	
settings.publicreports.months	Number of months to show	String	
settings.publicreports.showoverview	Enable overview	Boolean	

Examples

GET /api/2.0/settings

Response:

```
{
  "settings": {
    "firstname": "John",
    "lastname": "Smith",
    "company": "Pingdom",
    "email": "johndoe@pingdom.com",
    "phone": "",
    "cellphone": "46-555555555",
    "address": "Pingdom Street 1",
    "address2": "",
    "zip": "55555",
    "location": "Pingdom City",
    "state": "",
    "autologout": false,
    "country": {
      "name": "Sweden",
      "iso": "SE"
    },
    "region": "Sweden",
    "timezone": {
      "id": "CET",
      "description": "(GMT +1:00 hour) Brussels, Copenhagen, Madrid"
    },
    "dateformat": "%Y-%m-%d",
    "timeformat": "%H:%M:%S",
    "numberformat": ", ",
    "numberexample": "123 456 789,00"
  }
}
```

Method: Modify Account Settings

Description

Modify account-specific settings.

URL Syntax

/api/{version}/settings

HTTP Method

PUT

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
firstname	First name	String	no		
lastname	Last name	String	no		
company	Company	String	no		
email	Email	String	no		Please note that your email is used for authentication purposes such as using this API or logging into the Pingdom Panel

cellphone	Cellphone (without country code)	String	no		Requires cellcountrycode and cellcountryiso
cellcountrycode	Cellphone country code, for example 1 (USA) or 46 (Sweden)	Integer	no		
cellcountryiso	Cellphone country ISO code, for example US (USA) or SE (Sweden)	String	no		
phone	Phone (without country code)	String	no		Requires phonecountrycode and phonecountryiso
phonecountrycode	Phone country code, for example 1 (USA) or 46 (Sweden)	Integer	no		
phonecountryiso	Phone country ISO code, for example US (USA) or SE (Sweden)	String	no		
address	Address line 1	String	no		
address2	Address line 2	String	no		
zip	Zip, postal code or equivalent	String	no		
location	City / location	String	no		
state	State, province or equivalent	String	no		
autologout	Enable auto-logout	Boolean	no		
regionid	Region identifier. See the API resource "Reference" for more information	Integer	no		
timezoneid	Time zone identifier. See the API resource "Reference" for more information	Integer	no		
datetimeformatid	Date/time format identifier. See the API resource "Reference" for more information	Integer	no		
numberformatid	Number format identifier. See the API resource "Reference" for more information	Integer	no		
pubrcustomdesign	Use custom design for public reports	Boolean	no		
pubrtextcolor	Public reports, custom text color	String	no		Example: FFFFFFFF or 99CC00
pubrbackgroundcolor	Public reports, background color	String	no		Example: FFFFFFFF or 99CC00
pubrlogourl	Public reports, URL to custom logotype	String	no		Example: stats.pingdom.com/images/logo.png
pubrmonths	Public reports, number of months to show	String (none, all, 3)	no		
pubrshowoverview	Public reports, enable overview	Boolean	no		

Response Attributes

Attribute	Description	Type	Additional information
-----------	-------------	------	------------------------

Examples

Change company name to Pingdom and state to Neverland

PUT /api/2.0/settings

body:

company=Pingdom&state=Neverland

Response:

```
{
  "message": "Settings updated successfully"
}
```

Resource: Summary.average

Method: Get A Response Time / Uptime Average

Description

Get a summarized response time / uptime value for a specified check and time period.

URL Syntax

/api/{version}/summary.average/{checkid}

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
from	Start time of period. Format is UNIX timestamp	Integer	no	0	
to	End time of period. Format is UNIX timestamp	Integer	no	current time	
probes	Filter to only use results from a list of probes. Format is a comma separated list of probe identifiers	String	no	all probes	
includeuptime	Include uptime information	Boolean	no	false	
bycountry	Split response times into country groups	Boolean	no	false	
byprobe	Split response times into probe groups	Boolean	no	false	

Response Attributes

Attribute	Description	Type	Additional information
summary.responsetime.from	Start time of period	Integer	
summary.responsetime.to	End time of period	Integer	
summary.responsetime.avgresponse	Total average response time in milliseconds	Integer	
summary.responsetime.(entry).countryiso	Country group ISO code	Integer	
summary.responsetime.(entry).probeid	Probe group probe identifier	Integer	
summary.responsetime.(entry).avgresponse	Group average response time in milliseconds	Integer	

summary.status.totalup	Total uptime in seconds	Integer	Please note that the accuracy of this value is depending on your check resolution
summary.status.totaldown	Total downtime in seconds	Integer	Please note that the accuracy of this value is depending on your check resolution
summary.status.totalunknown	Total unknown/unmonitored/paused in seconds	Integer	Please note that the accuracy of this value is depending on your check resolution. Also note that time before the check was created counts as unknown

Examples

```
GET /api/2.0/summary.average/85975
body:
includeuptime=true
```

Response:

```
{
  "summary" : {
    "responsetime" : {
      "from" : 0,
      "to" : 1294245352,
      "avgresponse" : 458
    },
    "status" : {
      "totalup" : 53072286,
      "totaldown" : 771879,
      "totalunknown" : 1240401138
    }
  }
}
```

```
GET /api/2.0/summary.average/85975
body:
bycountry=true
```

Response:

```
{
  "summary": {
    "responsetime": {
      "from": 0,
      "to": 1294245226,
      "avgresponse": [ {
        "countryiso": "SE",
        "avgresponse": 250
      }, {
        "countryiso": "US",
        "avgresponse": 650
      }, {
        "countryiso": "GB",
        "avgresponse": 129
      }, {
        "countryiso": "CA",
        "avgresponse": 442
      }, {
        "countryiso": "NL",
        "avgresponse": 162
      }, {
        "countryiso": "DE",
        "avgresponse": 200
      }, {
        "countryiso": "DK",
        "avgresponse": 229
      }, {
        "countryiso": "FR",
        "avgresponse": 204
      }, {
        "countryiso": "ES",
        "avgresponse": 285
      } ]
    }
  }
}
```

Resource: Summary.outage

Method: Get Outages List

Description

Get a list of status changes for a specified check and time period.

URL Syntax

```
/api/{version}/summary.outage/{checkid}
```

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
from	Start time of period. Format is UNIX timestamp	Integer	no	One week earlier than to	
to	End time of period. Format is UNIX timestamp	Integer	no	current time	

Response Attributes

Attribute	Description	Type	Additional information
summary.states.(entry).status	Interval status	String (up, down, unknown)	
summary.states.(entry).timefrom	Interval start. Format UNIX timestamp	Integer	
summary.states.(entry).timeto	Interval end. Format UNIX timestamp	Integer	

Examples

GET /api/2.0/summary.outage/85975

Response:

```
{
  "summary": {
    "states": [ {
      "status": "up",
      "timefrom": 1293143523,
      "timeto": 1294180263
    }, {
      "status": "down",
      "timefrom": 1294180263,
      "timeto": 1294180323
    }, {
      "status": "up",
      "timefrom": 1294180323,
      "timeto": 1294223466
    }, {
      "status": "down",
      "timefrom": 1294223466,
      "timeto": 1294223523
    }, {
      "status": "up",
      "timefrom": 1294223523,
      "timeto": 1294228503
    }, {
      "status": "down",
      "timefrom": 1294228503,
      "timeto": 1294228563
    }, {
      "status": "up",
      "timefrom": 1294228563,
      "timeto": 1294228623
    }, {
      "status": "down",
      "timefrom": 1294228623,
      "timeto": 1294228743
    }, {
      "status": "up",
      "timefrom": 1294228743,
      "timeto": 1294228803
    }, {
      "status": "down",
      "timefrom": 1294228803,
```

```

    "timeto" : 1294228987
  }, {
    "status" : "up",
    "timefrom" : 1294228987,
    "timeto" : 1294229047
  }, {
    "status" : "down",
    "timefrom" : 1294229047,
    "timeto" : 1294229583
  }, {
    "status" : "up",
    "timefrom" : 1294229583,
    "timeto" : 1294229643
  }, {
    "status" : "down",
    "timefrom" : 1294229643,
    "timeto" : 1294230063
  }, {
    "status" : "up",
    "timefrom" : 1294230063,
    "timeto" : 1294389243
  } ]
}

```

Resource: Summary.performance

Method: Get Intervals Of Average Response Time And Uptime

Description

Get a list of intervals of average response time and uptime. Useful for generating graphs.

URL Syntax

/api/{version}/summary.performance/{checkid}

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
from	Start time of period. Format is UNIX timestamp	Integer	no	10 intervals earlier than to	
to	End time of period. Format is UNIX timestamp	Integer	no	current time	
resolution	Interval size	String (hour, day, week)	no	hour	
includeuptime	Include uptime information.	Boolean	no	false	

probes	Filter to only use results from a list of probes. Format is a comma separated list of probe identifiers. Can not be used if includeuptime is set to true. Also note that this can cause intervals to be omitted, since there may be no results from the desired probes in them.	String	no	all probes	
--------	---	--------	----	------------	--

Response Attributes

Attribute	Description	Type	Additional information
summary.hours.(entry).starttime	Hour interval start. Format UNIX timestamp	Integer	
summary.hours.(entry).avgresponse	Average response time for this interval in milliseconds	Integer	
summary.hours.(entry).uptime	Total uptime for this interval in seconds	Integer	
summary.hours.(entry).downtime	Total downtime for this interval in seconds	Integer	
summary.hours.(entry).unmonitored	Total unmonitored time for this interval in seconds	Integer	
summary.days.(entry).starttime	Day interval start. Format UNIX timestamp	Integer	
summary.days.(entry).avgresponse	Average response time for this interval in milliseconds	Integer	
summary.days.(entry).uptime	Total uptime for this interval in seconds	Integer	
summary.days.(entry).downtime	Total downtime for this interval in seconds	Integer	
summary.days.(entry).unmonitored	Total unmonitored time for this interval in seconds	Integer	
summary.weeks.(entry).starttime	Week interval start. Format UNIX timestamp	Integer	
summary.weeks.(entry).avgresponse	Average response time for this interval in milliseconds	Integer	
summary.weeks.(entry).uptime	Total uptime for this interval in seconds	Integer	
summary.weeks.(entry).downtime	Total downtime for this interval in seconds	Integer	
summary.weeks.(entry).unmonitored	Total unmonitored time for this interval in seconds	Integer	

Examples

GET /api/2.0/summary.performance/85975?includeuptime=true&resolution=week

Response:

```
{
  "summary": {
    "weeks": [ {
      "starttime": 1287957600,
      "avgresponse": 468,
      "uptime": 608400,
      "downtime": 0,
      "unmonitored": 0
    }, {
      "starttime": 1288566000,
      "avgresponse": 467,
      "uptime": 604620,
      "downtime": 180,
      "unmonitored": 0
    }, {
      "starttime": 1289170800,
      "avgresponse": 440,
      "uptime": 604680,
      "downtime": 120,
      "unmonitored": 0
    }, {
      "starttime": 1289775600,
      "avgresponse": 451,
      "uptime": 604680,
```

```

        "downtime" : 120,
        "unmonitored" : 0
    }, {
        "starttime" : 1290380400,
        "avgresponse" : 456,
        "uptime" : 604680,
        "downtime" : 120,
        "unmonitored" : 0
    }, {
        "starttime" : 1290985200,
        "avgresponse" : 465,
        "uptime" : 604496,
        "downtime" : 304,
        "unmonitored" : 0
    }, {
        "starttime" : 1291590000,
        "avgresponse" : 489,
        "uptime" : 604610,
        "downtime" : 190,
        "unmonitored" : 0
    }, {
        "starttime" : 1292194800,
        "avgresponse" : 466,
        "uptime" : 604800,
        "downtime" : 0,
        "unmonitored" : 0
    }, {
        "starttime" : 1292799600,
        "avgresponse" : 452,
        "uptime" : 604680,
        "downtime" : 120,
        "unmonitored" : 0
    }, {
        "starttime" : 1293404400,
        "avgresponse" : 447,
        "uptime" : 604800,
        "downtime" : 0,
        "unmonitored" : 0
    }, {
        "starttime" : 1294009200,
        "avgresponse" : 465,
        "uptime" : 382511,
        "downtime" : 1437,
        "unmonitored" : 0
    } ]
}

```

Resource: Summary.probes

Method: Get Active Probes For A Period

Description

Get a list of probes that performed tests for a specified check during a specified period.

URL Syntax

/api/{version}/summary.probes/{checkid}

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
from	Start time of period. Format is UNIX timestamp	Integer	yes		
to	End time of period. Format is UNIX timestamp	Integer	no	current time	

Response Attributes

Attribute	Description	Type	Additional information
probes.(entry)	Probe identifier	Integer	

Examples

```
GET /api/2.0/summary.probes/85975?from=1294393564&to=1294394816
```

Response:

```
{
  "probes" : [ 43, 42, 41, 40, 39, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 24, 23,
    22, 21 ]
}
```

Resource: Single

Method: Make A Single Test

Description

Performs a single test using a specified Pingdom probe against a specified target. Please note that this method is meant to be used occasionally, not to set up your own monitoring solution.

URL Syntax

```
/api/{version}/single
```

HTTP Method

GET

Successful HTTP Response

200

Parameters

General parameters for ALL single tests

Parameter name	Description	Type	Mandatory	Default	Additional information
host	Target host	String	yes		
type	Type of test	String (http, httpcustom, tcp, ping, dns, udp, smtp, pop3, imap)	yes		
probeid	Probe identifier	Integer	no	A random probe	

Type-specific parameters for HTTP tests

Parameter name	Description	Type	Mandatory	Default	Additional information
url	Target path on server	String	no	/	
encryption	Connection encryption	Boolean	no	false	
port	Target port	Integer	no	80	
auth	Username and password for target HTTP authentication. Example: user:password	String	no		
shouldcontain	Target site should contain this string	String	no		
shouldnotcontain	Target site should NOT contain this string	String	no		
postdata	Data that should be posted to the web page, for example submission data for a sign-up or login form. The data needs to be formatted in the same way as a web browser would send it to the web server	String	no		
requestheadname{X}	Custom HTTP header name. Replace {X} with a number unique for each header argument. Example: requestheadname1=My-Header:CoolValue	String	no		

Type-specific parameters for HTTP Custom tests

Parameter name	Description	Type	Mandatory	Default	Additional information
url	Target path to XML file on server	String	yes		
encryption	Connection encryption	Boolean	no	false	
port	Target port	Integer	no	80	
auth	Username and password for target HTTP authentication. Example: user:password	String	no		
additionalurls	;-separated list of additional URLs with hostname included. Example: additionalurls=www.mysite.com;www.myothersite.com	String	no		

Type-specific parameters for TCP tests

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	yes		
stringtosend	String to send	String	no		
stringtoexpect	String to expect in response	String	no		

Type-specific parameters for Ping tests

Parameter name	Description	Type	Mandatory	Default	Additional information
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Type-specific parameters for DNS tests

Parameter name	Description	Type	Mandatory	Default	Additional information
expectedip	Expected ip	String	yes		
nameserver	Nameserver	String	yes		

Type-specific parameters for UDP tests

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	yes		
stringtosend	String to send	String	yes		
stringtoexpect	String to expect in response	String	yes		

Type-specific parameters for SMTP tests

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	no	25	
auth	Username and password for target SMTP authentication. Example: user:password	String	no		
stringtoexpect	String to expect in response	String	no		
encryption	Connection encryption	Boolean	no	false	

Type-specific parameters for POP3 tests

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	no	110	
stringtoexpect	String to expect in response	String	no		
encryption	Connection encryption	Boolean	no	false	

Type-specific parameters for IMAP tests

Parameter name	Description	Type	Mandatory	Default	Additional information
port	Target port	Integer	no	143	
stringtoexpect	String to expect in response	String	no		
encryption	Connection encryption	Boolean	no	false	

Response Attributes

Attribute	Description	Type	Additional information
result.status	Test result status	String (up, down)	
result.responsetime	Response time in milliseconds	Integer	
result.statusdesc	Short status description	String	
result.statusdesclong	Long status description	String	
result.probeid	Probe identifier	Integer	
result.probedesc	Probe description	String	

Examples

```
GET /api/2.0/single?host=pingdom.com&type=http&probeid=17
```

Response:

```
{
  "result": {
    "status": "up",
    "responsetime": 73,
    "statusdesc": "OK",
    "statusdesclong": "OK",
    "probeid": 17,
    "probedesc": "Stockholm, Sweden"
  }
}
```

Resource: Traceroute

Method: Make A Traceroute

Description

Perform a traceroute to a specified target from a specified Pingdom probe.

URL Syntax

/api/{version}/traceroute

HTTP Method

GET

Successful HTTP Response

200

Parameters

Parameter name	Description	Type	Mandatory	Default	Additional information
host	Target host	String	yes		
probeid	Probe identifier	Integer	no	A random probe	

Response Attributes

Attribute	Description	Type	Additional information
traceroute.result	Traceroute output	String	
traceroute.probeid	Probe identifier	Integer	
traceroute.probedescription	Probe description	String	

Examples

```
GET api/2.0/traceroute?host=pingdom.com&probeid=23
```

Response:

```
{
  "traceroute": {
    "result": "traceroute to pingdom.com (83.140.19.136), 30 hops max, 40 byte
packets\n 1  67.192.120.130 (67.192.120.130)  4.803 ms  5.000 ms  5.202 ms\n 2
67.192.56.2 (67.192.56.2)  0.332 ms  0.352 ms  0.431 ms\n 3
vlan905.edge4.dfw1.rackspace.com (67.192.56.228)  0.384 ms  0.444 ms  0.497 ms\n 4
12.87.41.177 (12.87.41.177)  1.926 ms  1.983 ms *\n 5  crl.dlstx.ip.att.net
(12.122.139.122)  3.696 ms  3.725 ms  3.741 ms\n 6  dlstx01jt.ip.att.net
(12.122.80.41)  1.792 ms  1.817 ms  1.840 ms\n 7  192.205.34.82 (192.205.34.82)  1.668
ms  1.828 ms  192.205.34.142 (192.205.34.142)  1.722 ms\n 8
RIX-TELECOM-AB.TenGigabitEthernet9-3.ar2.ANR3.gblx.net (64.208.169.138)  147.221 ms
146.710 ms  146.473 ms\n 9  po41-20g-r86.crl-r85.hy-sto.se.p80.net (82.96.1.162)
146.334 ms  146.347 ms  146.776 ms\n10  83.140.54.18.cust.port80.se (83.140.54.18)
146.741 ms  146.311 ms  146.283 ms\n11  83.140.19.136 (83.140.19.136)  146.789 ms
146.710 ms  146.795 ms\n",
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