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# **icingapy Documentation**

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license Apache-2

downloads no longer available

pypi v0.1.1

A library for interacting/scrapping Icinga 1 CGI endpoints.

Full Documentation can be found at: <https://icingapy.readthedocs.io/>

How to setup the client:

```
>>> from icingapy import IcingaClient
icinga = IcingaClient('icinga.host.com', 'admin', 'Ch@ng3m3!')
```

Icinga Client currently support three methods. **summary**, **status**, **downtime**

**summary** queries the *status.cgi* endpoint and parses the table for a list of services, their status and info.

```
>>> icinga.summary('testhost')
{'Current Load': {'service': 'Current Load', 'status': 'OK', 'info': 'OK - load_
↪average: 0.38, 0.33, 0.31'},
'Current Users': {'service': 'Current Users', 'status': 'OK', 'info': 'USERS OK - 0_
↪users currently logged in'},
'Disk Space': {'service': 'Disk Space', 'info': 'DISK CRITICAL - free space: / 1423_
↪MB (10% inode=53%): '},
'HTTP': {'service': 'HTTP', 'status': 'OK', 'info': 'HTTP OK: HTTP/1.1 301 Moved_
↪Permanently - 529 bytes in 0.000 second response time'},
'SSH': {'service': 'SSH', 'info': 'connect to address 127.0.0.1 and port 22:_
↪Connection refused'},
'Total Processes': {'service': 'Total Processes', 'status': 'OK', 'info': 'PROCS OK:_
↪12 processes'}}
```

**status** queries the *extinfo.cgi* endpoint and parses the table to pull the same information (with the addition of last-check) as summary but for a single service

```
>>> icinga.status('testhost', 'Current Load')
{'service': 'Current Load',
'state': ' OK (for 0d 1h 50m 10s)',
'info': 'OK - load average: 0.38, 0.33, 0.31',
'last-check': '2018-09-29 17:22:07'}
```

**downtime** queries the *cmd.cgi* endpoint to post a downtime for a particular host or service host. Returns True/False. service, expire\_timedate, and msg are optional. Method defaults to a timedate of 1 hour. expire\_timedate expects a dictionary with keys matching datetime.timedelta parameters.

```
>>> icinga.downtime(host='localhost', service='Disk Space', expire_timedate={'hours':_
↪1}, msg='until logrotate'))
True
```



# CHAPTER 1

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## Indices and tables

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- `genindex`
- `modindex`
- `search`