

Uptime Checks

Article Number: 784 | Rating: 5/5 from 1 votes | Last Updated: Sun, Nov 26, 2017 at 7:06 PM

Uptime Checks

Uptime checks can alert you to when a system has rebooted (or has not). The performance data returned can also help identify trends with systems that may be having issues.

The sections below provide examples of how to perform these checks using different methods.

Nagios Plugins

The `check_uptime` plugin is part of Nagios Plugins. The thresholds for the plugin are triggered if the system uptime is more than the supplied value.

System Uptime Longer Than 1 Day

Unit: Days

Critical: Up more than 1 day

Command:

```
./check_uptime -u days -c 1
```

Output:

```
Uptime CRITICAL: 25 day(s) 20 hour(s) 11 minute(s) | uptime=25.000000;;1.000000;
```

System Uptime Shorter Than 1 Day

The `check_uptime` plugin does not provide this check type, however you can use the `negate` plugin to invert the returned result from the plugin (hence making CRITICAL an OK state).

Unit: Days

Critical: Up less than 1 day

Command:

```
./negate -s ./check_uptime -u days -c 1
```

Output:

```
Uptime OK: 25 day(s) 20 hour(s) 14 minute(s) | uptime=25.000000;;1.000000;
```

NCPA

NCPA includes a system module that allows you to check the uptime, the response returned is in seconds.

System Uptime Longer Than 1 Day

Unit: Seconds

Critical: Up more than 86400 seconds (1 day)

Command:

```
./check_ncpa.py -H 10.25.14.91 -t Str0ngT0k3n -M 'system/uptime' --critical 86400
```

Output:

```
CRITICAL: Uptime was 1212855.00 s | 'uptime'=1212855.00s;;86400;
```

System Uptime Shorter Than 1 Day

Unit: Seconds

Critical: Up less than 86400 seconds (1 day)

Command:

```
./check_ncpa.py -H 10.25.14.91 -t Str0ngT0k3n -M 'system/uptime' --critical 86400:
```

Output:

```
OK: Uptime was 1212902.00 s | 'uptime'=1212902.00s;;86400;;
```

NSClient++ via check_nt

NSClient++ includes a UPTIME module. The thresholds for the module are triggered if the system uptime is less than the supplied value.

System Uptime Longer Than 1 Day

The UPTIME module does not provide this check type, however you can use the negate plugin to invert the returned result from the plugin (hence making CRITICAL an OK state).

Unit: Days

Critical: Up more than 1 day

Command:

```
./negate ./check_nt -H 10.25.14.10 -p 12489 -s 'Str0ngP@ssw0rd' -v UPTIME -l days -c 1
```

Output:

```
System Uptime - 6 day(s) 17 hour(s) 7 minute(s) |uptime=6
```

System Uptime Shorter Than 1 Day

Unit: Days

Critical: Up less than 1 day

Command:

```
./check_nt -H 10.25.14.10 -p 12489 -s 'Str0ngP@ssw0rd' -v UPTIME -l days -c 1
```

Output:

```
System Uptime - 6 day(s) 17 hour(s) 6 minute(s) |uptime=6
```

NSClient++ via check_nrpe

NSClient++ includes a check_uptime module.

System Uptime Longer Than 1 Day

Unit: Days

Critical: Up more than 1 day

Command:

```
./check_nrpe -H 10.25.11.3 -c check_uptime -a 'warn= uptime > 1d' 'crit= uptime > 1d'
```

Output:

```
CRITICAL: uptime: 2w 3d 18:16h, boot: 2017-11-09 06:35:02 (UTC) |'uptime'=1534571s;86400;86400
```

System Uptime Shorter Than 1 Day

Unit: Days

Critical: Up less than 1 day

Command:

```
./check_nrpe -H 10.25.11.3 -c check_uptime -a 'warn= uptime < 1d' 'crit= uptime < 1d'
```

Output:

```
OK: uptime: 2w 3d 18:16h, boot: 2017-11-09 06:35:02 (UTC) |'uptime'=1534615s;86400;86400
```

WMI

Check WMI Plus includes a checkuptime module.

System Uptime Longer Than 1 Day

Unit: Days

Critical: Up more than 1 day

Command:

```
./check_wmi_plus.pl -H 10.25.14.3 -u wmiagent -p Str0ngP@ssw0rd -m checkuptime -c 1day
```

Output:

```
CRITICAL - [Triggered by _UptimeSec>1day] - System Uptime is 5 days 23:07:54 (8587min).|'Uptime Minutes'=8587min;1440;
```

System Uptime Shorter Than 1 Day

Unit: Days

Critical: Up less than 1 day

Command:

```
./check_wmi_plus.pl -H 10.25.14.3 -u wmiagent -p Str0ngP@ssw0rd -m checkuptime -c 1day:
```

Output:

```
OK - System Uptime is 5 days 23:07:50 (8587min).|'Uptime Minutes'=8587min;1440;
```

SNMP

The `check_snmp` plugin allows you to check the `sysUpTime` OID, the response returned is in timeticks.

System Uptime Longer Than 1 Day

Unit: Timeticks

Critical: Up more than 8600000 timeticks (1 day)

Command:

```
./check_snmp -H 10.25.4.1 -o sysUpTime.0 -C public -P 2c -l Uptime -c 0:8600000
```

Output:

```
SNMP CRITICAL - Uptime *3151082700* | Uptime=3151082700;;8600000;
```

System Uptime Shorter Than 1 Day

Unit: Seconds

Critical: Up less than 86400 seconds (1 day)

Command:

```
./check_snmp -H 10.25.4.1 -o sysUpTime.0 -C public -P 2c -l Uptime -c 8600000:0
```

Output:

```
SNMP OK - Uptime 3151084000 | Uptime=3151084000;;8600000;
```

Final Thoughts

For any support related questions please visit the [Nagios Support Forums](#) at:

<http://support.nagios.com/forum/>

Posted by: **tlea** - Sun, Nov 26, 2017 at 7:06 PM. This article has been viewed 15647 times.

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