Configuration for the CheckSystem

This page describes the configuration options for the CheckSystem module.

CheckSystem Section

This is a wrapper page the actual data is on the following page CheckSystem/config

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Configuration for CheckSystem module

Section with configuration keys for the CheckSystem module

Path / Section	Key	Default value	Desc
/settings/system/windows/pdh/counters/cpu	collection strategy	round robin	Collection Stra
/settings/default	cache allowed hosts	1	CACHE ALL
/settings/default	certificate		SSL CERTIFI
/settings/default	verify mode	none	VERIFY MOD
/settings/default	allowed hosts	127.0.0.1	ALLOWED H
/settings/default	allowed ciphers	ADH	ALLOWED C
/settings/default	inbox	inbox	INBOX
/settings/default	timeout	30	TIMEOUT
/settings/default	password		PASSWORD
/settings/default	use ssl	1	ENABLE SSL
/settings/system/windows/pdh			PDH COUNT INFORMATI
/settings/system/windows	default buffer length	1h	DEFAULT LE
/settings/system/windows/pdh/counters	memory commit bytes	\4\26	memory comm
/settings/system/windows/pdh/counters	memory commit limit	\4\30	memory comm
/settings/system/windows/pdh/counters	cpu	\238(_total)\6	cpu
/settings/system/windows/pdh/counters	uptime	\2\674	uptime
/settings/default	certificate key		SSL CERTIFI
/settings/default	certificate format	PEM	CERTIFICAT
/settings/default	dh	${certificate-path}/nrpe_dh_512.pem	DH KEY
/settings/default	ca	${certificate-path}/ca.pem	CA
/settings/default	bind to		BIND TO AD
/settings/default	thread pool	10	THREAD PO
/settings/default	socket queue size	0	LISTEN QUE
/settings/default	modern commands	1	Register mode built-in comm
mapping /settings/system/windows/service mapping	DELAYED	ignored	SERVICE_DE
mapping /settings/system/windows/service mapping	DISABLED	stopped	SERVICE_DI
mapping /settings/system/windows/service mapping	DEMAND_START	ignored	SERVICE_DE
mapping /settings/system/windows/service mapping	AUTO_START	started	SERVICE_AU
mapping /settings/system/windows/service mapping	SYSTEM_START	ignored	SERVICE_SY
mapping /settings/system/windows/service mapping	BOOT_START	ignored	SERVICE_BO
/settings/system/windows	subsystem	default	PDH SUBSYS
/settings/system/windows	default intervall	1	DEFAULT IN

/settings/system/windows	modern commands	1	Register mode built-in comma

Section: /settings/system/windows/pdh/counters/cpu

Keys:

Key	Default	Title	Description
collection strategy	round robin	Collection Strategy	Collection strategy for CPU is usually round robin, for others static.

Sample:

```
#
#
[/settings/system/windows/pdh/counters/cpu]
# Collection Strategy
# Collection strategy for CPU is usually round robin, for others static.
collection strategy=round robin
```

Collection Strategy

Description: Collection strategy for CPU is usually round robin, for others static.

Key: collection strategy

Default value: round robin

Used by: CheckSystem

Sample:

```
# Collection Strategy
# Collection strategy for CPU is usually round robin, for others static.
[/settings/system/windows/pdh/counters/cpu]
collection strategy=round robin
```

Section: /settings/default

Keys:

Key	Default	Title	Description
cache allowed hosts	1	CACHE ALLOWED HOSTS	If hostnames should be cached, improves speed and security somewhat but wont allow you to have dynamic IPs for your nagios server.
certificate		SSL CERTIFICATE	**TODO**
verify mode	none	VERIFY MODE	**TODO**
	127.0.0.1		

allowed hosts		ALLOWED HOSTS	A comaseparated list of allowed hosts. You can use netmasks (/ syntax) or * to create ranges.
allowed ciphers	ADH	ALLOWED CIPHERS	A better value is: ALL:!ADH:!LOW:!EXP:!MD5:@STRENGTH
inbox	inbox	INBOX	The default channel to post incoming messages on
timeout	30	TIMEOUT	Timeout when reading packets on incoming sockets. If the data has not arrived within this time we will bail out.
password		PASSWORD	Password used to authenticate againast server
use ssl	1	ENABLE SSL ENCRYPTION	This option controls if SSL should be enabled.

Advanced Keys:

Key	Default	Title	Description
certificate key		SSL CERTIFICATE	**TODO**
certificate format	PEM	CERTIFICATE FORMAT	**TODO**
dh	${certificate-path}/nrpe_dh_512.pem	DH KEY	**TODO**
ca	${certificate-path}/ca.pem	CA	**TODO**
bind to		BIND TO ADDRESS	Allows you to bind server to a specific local address. This has to be a dotted ip address not a host name. Leaving this blank will bind to all available IP addresses.
thread pool	10	THREAD POOL	**TODO**
socket queue size	0	LISTEN QUEUE	Number of sockets to queue before starting to refuse new incoming connections. This can be used to tweak the amount of simultaneous sockets that the server accepts.
modern commands	1	Register modern aliases for built-in commands	Register moden alias for commands (ccheck_xxx as opposed of CheckXXX) these are the names which will be used in future version of NSClient++

Sample:

```
cached, improves speed and security somewhat but wont allow you to have dynamic IPs for your nagios server.
```

```
be_dh_512.pem




 pem
er to a specific local address. This has to be a dotted ip address not a host name. Leaving this blank will bin

 allowed hosts. You can use netmasks (/ syntax) or * to create ranges.



 ADH:!LOW:!EXP:!MD5:@STRENGTH

post incoming messages on

ckets on incoming sockets. If the data has not arrived within this time we will bail out.

eue before starting to refuse new incoming connections. This can be used to tweak the amount of simultaneous so

ticate againast server

 SSL should be enabled.

 for built-in commands
r commands (ccheck_xxx as opposed of CheckXXX) these are the names which will be used in future version of NSCl
```

CACHE ALLOWED HOSTS

Description: If hostnames should be cached, improves speed and security somewhat but wont allow you to have dynamic IPs for your nagios server.

Key: cache allowed hosts

Default value: 1

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
 ALLOWED HOSTS
stnames should be cached, improves speed and security somewhat but wont allow you to have dynamic IPs for your
ngs/default]
```

```
llowed hosts=1
```

SSL CERTIFICATE

Description:

Advanced: (means it is not commonly used)

Key: certificate key

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# SSL CERTIFICATE
#
[/settings/default]
certificate key=
```

CERTIFICATE FORMAT

Description:

Advanced: (means it is not commonly used)

Key: certificate format

Default value: PEM

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# CERTIFICATE FORMAT
#
[/settings/default]
certificate format=PEM
```

DH KEY

Description:

Advanced: (means it is not commonly used)

Key: dh

Default value: ${certificate-path}/nrpe_dh_512.pem

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# DH KEY
#
[/settings/default]
dh=${certificate-path}/nrpe_dh_512.pem
```

SSL CERTIFICATE

Description:

Key: certificate

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# SSL CERTIFICATE
#
[/settings/default]
certificate=
```

VERIFY MODE

Description:

Key: verify mode

Default value: none

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# VERIFY MODE
#
[/settings/default]
verify mode=none
```

CA

Description:

Advanced: (means it is not commonly used)

Key: ca

Default value: ${certificate-path}/ca.pem

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# CA
#
[/settings/default]
ca=${certificate-path}/ca.pem
```

BIND TO ADDRESS

Description: Allows you to bind server to a specific local address. This has to be a dotted ip address not a host name. Leaving this blank will bind to all available IP addresses.

Advanced: (means it is not commonly used)

Key: bind to

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
er to a specific local address. This has to be a dotted ip address not a host name. Leaving this blank will bin
```

ALLOWED HOSTS

Description: A comaseparated list of allowed hosts. You can use netmasks (/ syntax) or * to create ranges.

Key: allowed hosts

Default value: 127.0.0.1

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# ALLOWED HOSTS
# A comaseparated list of allowed hosts. You can use netmasks (/ syntax) or * to create ranges.
[/settings/default]
allowed hosts=127.0.0.1
```

THREAD POOL

Description:

Advanced: (means it is not commonly used)

Key: thread pool

Default value: 10

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# THREAD POOL
#
[/settings/default]
thread pool=10
```

ALLOWED CIPHERS

Description: A better value is: ALL:!ADH:!LOW:!EXP:!MD5:@STRENGTH

Key: allowed ciphers

Default value: ADH

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# ALLOWED CIPHERS
# A better value is: ALL:!ADH:!LOW:!EXP:!MD5:@STRENGTH
[/settings/default]
allowed ciphers=ADH
```

INBOX

Description: The default channel to post incoming messages on

Key: inbox

Default value: inbox

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# INBOX
# The default channel to post incoming messages on
[/settings/default]
inbox=inbox
```

TIMEOUT

Description: Timeout when reading packets on incoming sockets. If the data has not arrived within this time we will bail out.

Key: timeout

Default value: 30

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# TIMEOUT
# Timeout when reading packets on incoming sockets. If the data has not arrived within this time we will bail
[/settings/default]
timeout=30
```

LISTEN QUEUE

Description: Number of sockets to queue before starting to refuse new incoming connections. This can be used to tweak the amount of simultaneous sockets that the server accepts.

Advanced: (means it is not commonly used)

Key: socket queue size

Default value: 0

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
ueue before starting to refuse new incoming connections. This can be used to tweak the amount of simultaneous s
```

PASSWORD

Description: Password used to authenticate againast server

Key: password

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# PASSWORD
# Password used to authenticate againast server
[/settings/default]
password=
```

ENABLE SSL ENCRYPTION

Description: This option controls if SSL should be enabled.

Key: use ssl

Default value: 1

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
# ENABLE SSL ENCRYPTION
# This option controls if SSL should be enabled.
[/settings/default]
use ssl=1
```

Register modern aliases for built-in commands

Description: Register moden alias for commands (ccheck_xxx as opposed of CheckXXX) these are the names which will be used in future version of NSClient++

Advanced: (means it is not commonly used)

Key: modern commands

Default value: 1

Used by: NRPEServer, CheckMKServer, CheckSystem, NSCAServer, NSClientServer, NSCPServer

Sample:

```
odern aliases for built-in commands
oden alias for commands (ccheck_xxx as opposed of CheckXXX) these are the names which will be used in future ve
efault]
nds=1
```

SERVICE MAPPING SECTION

Confiure which services has to be in which state

Section: /settings/system/windows/service mapping

Advanced Keys:

Key	Default	Title	Description
DELAYED	ignored	SERVICE_DELAYED	TODO
DISABLED	stopped	SERVICE_DISABLED	TODO
DEMAND_START	ignored	SERVICE_DEMAND_START	TODO
AUTO_START	started	SERVICE_AUTO_START	TODO
SYSTEM_START	ignored	SERVICE_SYSTEM_START	TODO
BOOT_START	ignored	SERVICE_BOOT_START	TODO

Sample:

```
# SERVICE MAPPING SECTION
# Confiure which services has to be in which state
[/settings/system/windows/service mapping]
# SERVICE_DELAYED
# TODO
DELAYED=ignored
# SERVICE_DISABLED
```

```
# TODO
DISABLED=stopped
# SERVICE_DEMAND_START
# TODO
DEMAND_START=ignored
# SERVICE_AUTO_START
# TODO
AUTO_START=started
# SERVICE_SYSTEM_START
# TODO
SYSTEM_START=ignored
# SERVICE_BOOT_START
# TODO
BOOT_START=ignored
```

SERVICE_DELAYED

Description: TODO

Advanced: (means it is not commonly used)

Key: DELAYED

Default value: ignored

Used by: CheckSystem

Sample:

```
# SERVICE_DELAYED
# TODO
[/settings/system/windows/service mapping]
DELAYED=ignored
```

SERVICE_DISABLED

Description: TODO

Advanced: (means it is not commonly used)

Key: DISABLED

Default value: stopped

Used by: CheckSystem

Sample:

```
# SERVICE_DISABLED
# TODO
[/settings/system/windows/service mapping]
DISABLED=stopped
```

SERVICE_DEMAND_START

Description: TODO

Advanced: (means it is not commonly used)

Key: DEMAND_START

Default value: ignored

Used by: CheckSystem

Sample:

```
# SERVICE_DEMAND_START
# TODO
[/settings/system/windows/service mapping]
DEMAND_START=ignored
```

SERVICE_AUTO_START

Description: TODO

Advanced: (means it is not commonly used)

Key: AUTO_START

Default value: started

Used by: CheckSystem

Sample:

```
# SERVICE_AUTO_START
# TODO
[/settings/system/windows/service mapping]
AUTO_START=started
```

SERVICE_SYSTEM_START

Description: TODO

Advanced: (means it is not commonly used)

Key: SYSTEM_START

Default value: ignored

Used by: CheckSystem

Sample:

```
# SERVICE_SYSTEM_START
# TODO
[/settings/system/windows/service mapping]
SYSTEM_START=ignored
```

SERVICE_BOOT_START

Description: TODO

Advanced: (means it is not commonly used)

Key: BOOT_START

Default value: ignored

Used by: CheckSystem

Sample:

```
# SERVICE_BOOT_START
# TODO
[/settings/system/windows/service mapping]
BOOT_START=ignored
```

PDH COUNTER INFORMATION

Section: /settings/system/windows/pdh

Sample:

```
# PDH COUNTER INFORMATION
#
[/settings/system/windows/pdh]
```

WINDOWS CHECK SYSTEM

Section for system checks and system settings

Section: /settings/system/windows

Keys:

Key	Default	Title	Description
default buffer length	1h	DEFAULT LENGTH	Used to define the default intervall for range buffer checks (ie. CPU).

Advanced Keys:

Key	Default	Title	Description
subsystem	default	PDH SUBSYSTEM	Set which pdh subsystem to use.
	1		

default intervall		DEFAULT INTERVALL	Used to define the default intervall for range buffer checks (ie. CPU).
modern commands	1	Register modern aliases for built-in commands	Register moden alias for commands (ccheck_xxx as opposed of CheckXXX) these are the names which will be used in future version of NSClient++ parent for this key is found under: /settings/default this is marked as advanced in favour of the parent.

Sample:

```
e. CPU).

e. CPU).

ckXXX) these are the names which will be used in future version of NSClient++ parent for this key is found unde
```

DEFAULT LENGTH

Description: Used to define the default intervall for range buffer checks (ie. CPU).

Key: default buffer length

Default value: 1h

Used by: CheckSystem

Sample:

```
# DEFAULT LENGTH
# Used to define the default intervall for range buffer checks (ie. CPU).
[/settings/system/windows]
default buffer length=1h
```

PDH SUBSYSTEM

Description: Set which pdh subsystem to use.

Advanced: (means it is not commonly used)

Key: subsystem

Default value: default

Used by: CheckSystem

Sample:

```
# PDH SUBSYSTEM
# Set which pdh subsystem to use.
[/settings/system/windows]
subsystem=default
```

DEFAULT INTERVALL

Description: Used to define the default intervall for range buffer checks (ie. CPU).

Advanced: (means it is not commonly used)

Key: default intervall

Default value: 1

Used by: CheckSystem

Sample:

```
# DEFAULT INTERVALL
# Used to define the default intervall for range buffer checks (ie. CPU).
[/settings/system/windows]
default intervall=1
```

Register modern aliases for built-in commands

Description: Register moden alias for commands (ccheck_xxx as opposed of CheckXXX) these are the names which will be used in future version of NSClient++ parent for this key is found under: /settings/default this is marked as advanced in favour of the parent.

Advanced: (means it is not commonly used)

Key: modern commands

Default value: 1

Used by: CheckSystem

Sample:

```
ckXXX) these are the names which will be used in future version of NSClient++ parent for this key is found unde
```

PDH COUNTERS

Define various PDH counters to check.

Section: /settings/system/windows/pdh/counters

Keys:

Key	Default	Title	Description
memory commit bytes	\4\26	memory commit bytes	System counter for check_xx commands..
memory commit limit	\4\30	memory commit limit	System counter for check_xx commands..
cpu	\238(_total)\6	cpu	System counter for check_xx commands..
uptime	\2\674	uptime	System counter for check_xx commands..

Sample:

```
# PDH COUNTERS
# Define various PDH counters to check.
[/settings/system/windows/pdh/counters]
# memory commit bytes
# System counter for check_xx commands..
memory commit bytes=\4\26
# memory commit limit
# System counter for check_xx commands..
memory commit limit=\4\30
# cpu
# System counter for check_xx commands..
cpu=\238(_total)\6
# uptime
# System counter for check_xx commands..
uptime=\2\674
```

memory commit bytes

Description: System counter for check_xx commands..

Key: memory commit bytes

Default value: \4\26

Used by: CheckSystem

Sample:

```
# memory commit bytes
# System counter for check_xx commands..
[/settings/system/windows/pdh/counters]
memory commit bytes=\4\26
```

memory commit limit

Description: System counter for check_xx commands..

Key: memory commit limit

Default value: \4\30

Used by: CheckSystem

Sample:

```
# memory commit limit
# System counter for check_xx commands..
[/settings/system/windows/pdh/counters]
memory commit limit=\4\30
```

cpu

Description: System counter for check_xx commands..

Key: cpu

Default value: \238(_total)\6

Used by: CheckSystem

Sample:

```
# cpu
# System counter for check_xx commands..
[/settings/system/windows/pdh/counters]
cpu=\238(_total)\6
```

uptime

Description: System counter for check_xx commands..

Key: uptime

Default value: \2\674

Used by: CheckSystem

Sample:

```
# uptime
# System counter for check_xx commands..
[/settings/system/windows/pdh/counters]
uptime=\2\674
```