1 Items supported by platform

The table displays support for Zabbix agent items on various platforms:

- Items marked with "**X**" are supported, the ones marked with "**-**" are not supported.
- If an item is marked with "**?**", it is not known whether it is supported or not.
- If an item is marked with "**r**", it means that it requires root privileges.
- Parameters that are included in angle brackets **<**like_this**>** are optional.

Windows-only Zabbix agent items are not included in this table.

												NetBSD
											OpenBSD	
											Mac OS X	
										Tru64		
									AIX			
								HP-UX				
							Solaris					
						FreeBSD						
					Linux 2.6 (and later)							
				Linux 2.4								
			Windows									
Parameter / system												
		1	**2**	3	**4**	5	**6**	7	**8**	9	**10**	11
agent.hostname		X	X	X	X	X	X	X	X	X	X	X
agent.ping		X	X	X	X	X	X	X	X	X	X	X
agent.version		X	X	X	X	X	X	X	X	X	X	X
kernel.maxfiles		-	X	X	X	-	-	-	?	X	X	X
kernel.maxproc		-	-	X	X	X	-	-	?	X	X	X
log[file,<regexp>,<encoding>,<maxlines>,<mode>,<output>]		X	X	X	X	X	X	X	X	X	X	X
logrt[file_format,<regexp>,<encoding>,<maxlines>,<mode>,<output>]		X	X	X	X	X	X	X	X	X	X	X
net.dns[<ip>,zone,<type>,<timeout>,<count>]		X	X	X	X	X	X	X	X	X	X	X
net.dns.record[<ip>,zone,<type>,<timeout>,<count>]		X	X	X	X	X	X	X	X	X	X	X
net.if.collisions[if]		-	X	X	X	X	-	X	-	X	X	r
net.if.discovery		X	X	X	X	X	X	X	-	-	X	X
net.if.in[if,<mode>]		X	X	X	X	X	X [1]	X	-	X	X	r
	bytes *(default)*	X	X	X	X	X [2]	X	X	-	X	X	r
	packets	X	X	X	X	X	X	X	-	X	X	r
mode ▲	errors	X	X	X	X	X [2]	X	X	-	X	X	r
	dropped	X	X	X	X	-	X	-	-	X	X	r
net.if.out[if,<mode>]		X	X	X	X	X	X [1]	X	-	X	X	r
	bytes *(default)*	X	X	X	X	X [2]	X	X	-	X	X	r
	packets	X	X	X	X	X	X	X	-	X	X	r
mode ▲	errors	X	X	X	X	X [2]	X	X	-	X	X	r
	dropped	X	X	X	-	-	X	-	-	-	-	-
net.if.total[if,<mode>]		X	X	X	X	X	X [1]	X	-	X	X	r
	bytes *(default)*	X	X	X	X	X [2]	X	X	-	X	X	r
	packets	X	X	X	X	X	X	X	-	X	X	r
mode ▲	errors	X	X	X	X	X [2]	X	X	-	X	X	r
	dropped	X	X	X	-	-	X	-	-	-	-	-
net.tcp.listen[port]		X	X	X	X	X	-	-	-	X	-	-
net.tcp.port[<ip>,port]		X	X	X	X	X	X	X	X	X	X	X
net.tcp.service[service,<ip>,<port>]		X	X	X	X	X	X	X	X	X	X	X
net.tcp.service.perf[service,<ip>,<port>]		X	X	X	X	X	X	X	X	X	X	X
net.udp.listen[port]		-	X	X	X	X	-	-	-	X	-	-

		1	**2**	3	**4**	5	**6**	7	**8**	9	**10**	11
proc.mem[<name>,<user>,<mode>,<cmdline>]		-	X	X	X	X [3]	-	X	X	-	X	X
mode ▲	sum *(default)*	-	X	X	X	X	-	X	X	-	X	X
	avg	-	X	X	X	X	-	X	X	-	X	X
	max	-	X	X	X	X	-	X	X	-	X	X
	min	-	X	X	X	X	-	X	X	-	X	X
proc.num[<name>,<user>,<state>,<cmdline>]		X	X	X	X	X [3]	X	X	X	-	X	X
state ▲	all *(default)*	-	X	X	X	X	X	X	X	-	X	X
	sleep	-	X	X	X	X	X	X	X	-	X	X
	zomb	-	X	X	X	X	X	X	X	-	X	X
	run	-	X	X	X	X	X	X	X	-	X	X
cmdline ▲		-	X	X	X	X	X	X	X	-	X	X
sensor[device,sensor,<mode>]		-	X	X	-	-	-	-	-	-	X	-
system.boottime		-	X	X	X	X	-	-	-	X	X	X
system.cpu.intr		-	X	X	X	X	-	X	-	-	X	X
system.cpu.load[<cpu>,<mode>]		X	X	X	X	X	X	X	X	X	X	X
cpu ▲	all *(default)*	X	X	X	X	X	X	X	X	X	X	X
	percpu	X	X	X	X	X	X	X	-	X	X	X
mode ▲	avg1 *(default)*	X	X	X	X	X	X	X	X	X	X	X
	avg5	X	X	X	X	X	X	X	X	X	X	X
	avg15	X	X	X	X	X	X	X	X	X	X	X
system.cpu.num[<type>]		X	X	X	X	X	X	X	-	X	X	X
type ▲	online *(default)*	X	X	X	X	X	X	X	-	X	X	X
	max	-	X	X	X	X	-	-	-	X	-	-
system.cpu.switches		-	X	X	X	X	-	X	-	-	X	X
system.cpu.util[<cpu>,<type>,<mode>]		X	X	X	X	X	X	X	X	-	X	X
type ▲	user *(default)*	-	X	X	X	X	X	X	X	-	X	X
	nice	-	X	X	X	-	X	-	X	-	X	X
	idle	-	X	X	X	X	X	X	X	-	X	X
	system	X	X	X	X	X	X	X	X	-	X	X
	iowait	-	-	X	-	X	-	X	-	-	-	-
	interrupt	-	-	X	X	-	-	-	-	-	X	-
	softirq	-	-	X	-	-	-	-	-	-	-	-
	steal	-	-	X	-	-	-	-	-	-	-	-
mode ▲	avg1 *(default)*	X	X	X	X	X	X	X	X	-	X	X
	avg5	X	X	X	X	X	X	X	-	-	X	X
	avg15	X	X	X	X	X	X	X	-	-	X	X

		1	**2**	3	**4**	5	**6**	7	**8**	9	**10**	11
system.hostname[<type>]		X	X	X	X	X	X	X	X	X	X	X
system.hw.chassis[<info>]		-	X	X	-	-	-	-	-	-	-	-
system.hw.cpu[<cpu>,<info>]		-	X	X	-	-	-	-	-	-	-	-
system.hw.devices[<type>]		-	X	X	-	-	-	-	-	-	-	-
system.hw.macaddr[<interface>,<format>]		-	X	X	-	-	-	-	-	-	-	-
system.localtime[<type>]		X	X	X	X	X	X	X	X	X	X	X
type ▲	utc *(default)*	X	X	X	X	X	X	X	X	X	X	X
	local	X	X	X	X	X	X	X	X	X	X	X
system.run[command,<mode>]		X	X	X	X	X	X	X	X	X	X	X
mode ▲	wait *(default)*	X	X	X	X	X	X	X	X	X	X	X
	nowait	X	X	X	X	X	X	X	X	X	X	X
system.stat[resource,<type>]		-	-	-	-	-	-	X	-	-	-	-
system.sw.arch		X	X	X	X	X	X	X	X	X	X	X
system.sw.os[<info>]		-	X	X	-	-	-	-	-	-	-	-
system.sw.packages[<package>,<manager>,<format>]		-	X	X	-	-	-	-	-	-	-	-

system.swap.in[<device>,<type>] *(specifying a device is only supported under Linux)*		-	X	X	-	X	-	-	-	-	X	-
type ▲ *(pages will only work if device was not specified)*	count *(default under all except Linux)*	-	X	X	-	X	-	-	-	-	X	-
	sectors	-	X	X	-	-	-	-	-	-	-	-
	pages *(default under Linux)*	-	X	X	-	X	-	-	-	-	X	-
system.swap.out[<device>,<type>] *(specifying a device is only supported under Linux)*		-	X	X	-	X	-	-	-	-	X	-
type ▲ *(pages will only work if device was not specified)*	count *(default under all except Linux)*	-	X	X	-	X	-	-	-	-	X	-
	sectors	-	X	X	-	-	-	-	-	-	-	-
	pages *(default under Linux)*	-	X	X	-	X	-	-	-	-	X	-
system.swap.size[<device>,<type>] *(specifying a device is only supported under FreeBSD, for other platforms must be empty or "all")*		X	X	X	X	X	-	X	X	-	X	-
type ▲	free *(default)*	X	X	X	X	X	-	X	X	-	X	-
	total	X	X	X	X	X	-	X	X	-	X	-
	used	X	X	X	X	X	-	X	X	-	X	-
	pfree	-	X	X	X	X	-	X	X	-	X	-
	pused	-	X	X	X	X	-	X	X	-	X	-
system.uname		X	X	X	X	X	X	X	X	X	X	X
system.uptime		X	X	X	X	X	-	X	?	X	X	X
system.users.num		-	X	X	X	X	X	X	X	X	X	X
		1	**2**	3	**4**	5	**6**	7	**8**	9	**10**	11
vfs.dev.read[<device>,<type>,<mode>]		-	X	X	X	X	-	X	-	-	X	-
type ▲	sectors	-	X	X	-	-	-	-	-	-	-	-
	operations *(default for OpenBSD, AIX)*	-	X	X	X	X	-	X	-	-	X	-
	bytes *(default for Solaris)*	-	-	-	X	X	-	X	-	-	X	-
	sps *(default for Linux)*	-	X	X	-	-	-	-	-	-	-	-
	ops	-	X	X	X	-	-	-	-	-	-	-
	bps *(default for FreeBSD)*	-	-	-	X	-	-	-	-	-	-	-
mode ▲ *(compatible only with type in: sps, ops, bps)*	avg1 *(default)*	-	X	X	X	-	-	-	-	-	-	-
	avg5	-	X	X	X	-	-	-	-	-	-	-
	avg15	-	X	X	X	-	-	-	-	-	-	-
vfs.dev.write[<device>,<type>,<mode>]		-	X	X	X	X	-	X	-	-	X	-
type ▲	sectors	-	X	X	-	-	-	-	-	-	-	-
	operations *(default for OpenBSD, AIX)*	-	X	X	X	X	-	X	-	-	X	-
	bytes *(default for Solaris)*	-	-	-	X	X	-	X	-	-	X	-
	sps *(default for Linux)*	-	X	X	-	-	-	-	-	-	-	-
	ops	-	X	X	X	-	-	-	-	-	-	-
	bps *(default for FreeBSD)*	-	-	-	X	-	-	-	-	-	-	-
mode ▲ *(compatible only with type in: sps, ops, bps)*	avg1 *(default)*	-	X	X	X	-	-	-	-	-	-	-
	avg5	-	X	X	X	-	-	-	-	-	-	-
	avg15	-	X	X	X	-	-	-	-	-	-	-
vfs.file.cksum[file]		X	X	X	X	X	X	X	X	X	X	X
vfs.file.contents[file,<encoding>]		X	X	X	X	X	X	X	X	X	X	X
vfs.file.exists[file]		X	X	X	X	X	X	X	X	X	X	X
vfs.file.md5sum[file]		X	X	X	X	X	X	X	X	X	X	X
vfs.file.regexp[file,regexp,<encoding>,<output>]		X	X	X	X	X	X	X	X	X	X	X
vfs.file.regmatch[file,regexp,<encoding>]		X	X	X	X	X	X	X	X	X	X	X
vfs.file.size[file]		X	X	X	X	X	X	X	X	X	X	X
		1	**2**	3	**4**	5	**6**	7	**8**	9	**10**	11
vfs.file.time[file,<mode>]		X	X	X	X	X	X	X	X	X	X	X

	modify *(default)*	X	X	X	X	X	X	X	X	X	X
mode ▲	access	X	X	X	X	X	X	X	X	X	X
	change	X	X	X	X	X	X	X	X	X	X
vfs.fs.discovery		X	X	X	X	X	X	X	-	X	X	X
vfs.fs.inode[fs,<mode>]		-	X	X	X	X	X	X	X	X	X	X
	total *(default)*	-	X	X	X	X	X	X	X	X	X	X
	free	-	X	X	X	X	X	X	X	X	X	X
mode ▲	used	-	X	X	X	X	X	X	X	X	X	X
	pfree	-	X	X	X	X	X	X	X	X	X	X
	pused	-	X	X	X	X	X	X	X	X	X	X
vfs.fs.size[fs,<mode>]		X	X	X	X	X	X	X	X	X	X	X
	total *(default)*	X	X	X	X	X	X	X	X	X	X	X
	free	X	X	X	X	X	X	X	X	X	X	X
mode ▲	used	X	X	X	X	X	X	X	X	X	X	X
	pfree	X	X	X	X	X	X	X	X	X	X	X
	pused	X	X	X	X	X	X	X	X	X	X	X
vm.memory.size[<mode>]		X	X	X	X	X	X	X	X	X	X	X
	total *(default)*	X	X	X	X	X	X	X	X	X	X	X
	active	-	-	-	X	-	X	-	-	X	X	X
	anon	-	-	-	-	-	-	-	-	-	-	X
	buffers	-	X	X	X	-	-	-	-	-	X	X
	cached	X	X	X	X	-	-	X	-	-	X	X
	exec	-	-	-	-	-	-	-	-	-	-	X
	file	-	-	-	-	-	-	-	-	-	-	X
	free	X	X	X	X	X	X	X	X	X	X	X
mode ▲	inactive	-	-	-	X	-	-	-	-	X	X	X
	pinned	-	-	-	-	-	-	X	-	-	-	-
	shared	-	X	-	X	-	-	-	-	-	X	X
	wired	-	-	-	X	-	-	-	-	X	X	X
	used	X	X	X	X	X	X	X	X	X	X	X
	pused	X	X	X	X	X	X	X	X	X	X	X
	available	X	X	X	X	X	X	X	X	X	X	X
	pavailable	X	X	X	X	X	X	X	X	X	X	X
web.page.get[host,<path>,<port>]		X	X	X	X	X	X	X	X	X	X	X
web.page.perf[host,<path>,<port>]		X	X	X	X	X	X	X	X	X	X	X
web.page.regexp[host,<path>,<port>,<regexp>,<length>,<output>]		X	X	X	X	X	X	X	X	X	X	X
		1	**2**	3	**4**	5	**6**	7	**8**	9	**10**	11

See also a description of vm.memory.size parameters.

Footnotes

[1] Items net.if.in, net.if.out and net.if.total do not provide statistics of loopback interfaces (e.g. lo0).

[2] These values for these items are not supported for loopback interfaces on Solaris systems up to and including Solaris 10 6/06 as byte, error and utilisation statistics are not stored and/or reported by the kernel. However, if you're monitoring a Solaris system via net-snmp, values may be returned as net-snmp carries legacy code from the cmu-snmp dated as old as 1997 that, upon failing to read byte values from the interface statistics returns the packet counter (which does exist on loopback interfaces) multiplied by an arbitrary value of 308. This makes the assumption that the average length of a packet is 308 octets, which is a very rough estimation as the MTU limit on Solaris systems for loopback interfaces is 8892 bytes.

These values should not be assumed to be correct or even closely accurate. They are guestimates. The Zabbix agent does not do any guess work, but net-snmp will return a value for these fields.

[3] The command line on Solaris, obtained from /proc/pid/psinfo, is limited to 80 bytes and contains the command line as it was when the process was started.