

2 Zabbix proxy

The default values reflect daemon defaults, not the values in the shipped configuration files.

The parameters supported in a Zabbix proxy configuration file:

Parameter	Mandatory	Range	Default	Description
AllowRoot	no		0	Allow the proxy to run as 'root'. If disabled and the proxy is started by 'root', the proxy will try to switch to the 'zabbix' user instead. Has no effect if started under a regular user. 0 - do not allow 1 - allow This parameter is supported since Zabbix 2.2.0.
CacheSize	no	128K-8G	8M	Size of configuration cache, in bytes. Shared memory size, for storing host and item data. Upper limit used to be 2GB before Zabbix 2.2.3.
ConfigFrequency	no	1-604800	3600	How often proxy retrieves configuration data from Zabbix server in seconds. Active proxy parameter. Ignored for passive proxies (see ProxyMode parameter).
DBHost	no		localhost	Database host name. In case of MySQL localhost or empty string results in using a socket. In case of PostgreSQL only empty string results in attempt to use socket.
DBName	yes			Database name or path to database file for SQLite3 (multi-process architecture of Zabbix does not allow to use in-memory database , e.g. :memory: , file: :memory:?cache=shared or file:memdb1?mode=memory&cache=shared). Warning: Do not attempt to use the same database Zabbix server is using.
DBPassword	no			Database password. Ignored for SQLite. Comment this line if no password is used.
DBSchema	no			Schema name. Used for IBM DB2 and PostgreSQL.
DBSocket	no		3306	Path to MySQL socket. Database port when not using local socket. Ignored for SQLite.
DBUser				Database user. Ignored for SQLite.
DataSenderFrequency	no	1-3600	1	Proxy will send collected data to the server every N seconds. Note that active proxy will still poll Zabbix server every second for remote command tasks. Active proxy parameter. Ignored for passive proxies (see ProxyMode parameter).
DebugLevel	no	0-5	3	Specifies debug level: 0 - basic information about starting and stopping of Zabbix processes 1 - critical information 2 - error information 3 - warnings 4 - for debugging (produces lots of information) 5 - extended debugging (produces even more information)
EnableRemoteCommands	no		0	Whether remote commands from Zabbix server are allowed. 0 - not allowed 1 - allowed This parameter is supported since Zabbix 3.4.0.
ExternalScripts	no		/usr/local/share/zabbix/externalscripts	Location of external scripts (depends on compile-time installation variable <i>datadir</i>).
Fping6Location	no		/usr/sbin/fping6	Location of fping6. Make sure that fping6 binary has root ownership and SUID flag set. Make empty ("Fping6Location=") if your fping utility is capable to process IPv6 addresses.
FpingLocation	no		/usr/sbin/fping	Location of fping. Make sure that fping binary has root ownership and SUID flag set!
HeartbeatFrequency	no	0-3600	60	Frequency of heartbeat messages in seconds. Used for monitoring availability of proxy on server side. 0 - heartbeat messages disabled. Active proxy parameter. Ignored for passive proxies (see ProxyMode parameter).
HistoryCacheSize	no	128K-2G	16M	Size of history cache, in bytes. Shared memory size for storing history data.
HistoryIndexCacheSize	no	128K-2G	4M	Size of history index cache, in bytes. Shared memory size for indexing history data stored in history cache. The index cache size needs roughly 100 bytes to cache one item. This parameter is supported since Zabbix 3.0.0.
Hostname	no		Set by HostnameItem	Unique, case sensitive Proxy name. Make sure the proxy name is known to the server! Allowed characters: alphanumeric, '.', '_', and '-'. Maximum length: 64
HostnameItem	no		system.hostname	Item used for setting Hostname if it is undefined (this will be run on the proxy similarly as on an agent). Does not support UserParameters, performance counters or aliases, but does support system.run[]. Ignored if Hostname is set. This parameter is supported since Zabbix 1.8.6.

Parameter	Mandatory	Range	Default	Description
HousekeepingFrequency	no	0-24	1	How often Zabbix will perform housekeeping procedure (in hours). Housekeeping is removing outdated information from the database. <i>Note:</i> To prevent housekeeper from being overloaded (for example, when configuration parameters ProxyLocalBuffer or ProxyOfflineBuffer are greatly reduced), no more than 4 times HousekeepingFrequency hours of outdated information are deleted in one housekeeping cycle. Thus, if HousekeepingFrequency is 1, no more than 4 hours of outdated information (starting from the oldest entry) will be deleted per cycle. <i>Note:</i> To lower load on proxy startup housekeeping is postponed for 30 minutes after proxy start. Thus, if HousekeepingFrequency is 1, the very first housekeeping procedure after proxy start will run after 30 minutes, and will repeat every hour thereafter. This postponing behavior is in place since Zabbix 2.4.0. Since Zabbix 3.0.0 it is possible to disable automatic housekeeping by setting HousekeepingFrequency to 0. In this case the housekeeping procedure can only be started by <i>housekeeper_execute</i> runtime control option and the period of outdated information deleted in one housekeeping cycle is 4 times the period since the last housekeeping cycle, but not less than 4 hours and not greater than 4 days.
Include	no			You may include individual files or all files in a directory in the configuration file. To only include relevant files in the specified directory, the asterisk wildcard character is supported for pattern matching. For example: <code>/absolute/path/to/config/files/*.conf</code> . Pattern matching is supported since Zabbix 2.4.0. See special notes about limitations.
JavaGateway	no			IP address (or hostname) of Zabbix Java gateway. Only required if Java pollers are started. This parameter is supported since Zabbix 2.0.0.
JavaGatewayPort	no	1024-32767	10052	Port that Zabbix Java gateway listens on. This parameter is supported since Zabbix 2.0.0.
ListenIP	no		0.0.0.0	List of comma delimited IP addresses that the trapper should listen on. Trapper will listen on all network interfaces if this parameter is missing. Multiple IP addresses are supported since Zabbix 1.8.3.
ListenPort	no	1024-32767	10051	Listen port for trapper.
LoadModule	no			Module to load at proxy startup. Modules are used to extend functionality of the proxy. Formats: <code>LoadModule=<module.so></code> <code>LoadModule=<path/module.so></code> (since 4.0.9) <code>LoadModule=<abs_path/module.so></code> Either the module must be located in directory specified by LoadModulePath or (since 4.0.9) the path must precede the module name. If the preceding path is absolute (starts with '/') then LoadModulePath is ignored. It is allowed to include multiple LoadModule parameters.
LoadModulePath	no			Full path to location of proxy modules. Default depends on compilation options.
LogFile	yes, if LogType is set to <i>file</i> , otherwise no			Name of log file.
LogFileSize	no	0-1024	1	Maximum size of log file in MB. 0 - disable automatic log rotation. <i>Note:</i> If the log file size limit is reached and file rotation fails, for whatever reason, the existing log file is truncated and started anew.
LogRemoteCommands	no		0	Enable logging of executed shell commands as warnings. 0 - disabled 1 - enabled This parameter is supported since Zabbix 3.4.0.
LogType	no		file	Log output type: <i>file</i> - write log to file specified by LogFile parameter, <i>system</i> - write log to syslog, <i>console</i> - write log to standard output. This parameter is supported since Zabbix 3.0.0.
LogSlowQueries	no	0-3600000	0	How long a database query may take before being logged (in milliseconds). 0 - don't log slow queries. This option becomes enabled starting with DebugLevel=3. This parameter is supported since Zabbix 1.8.2.
PidFile	no		/tmp/zabbix_proxy.pid	Name of PID file.
ProxyLocalBuffer	no	0-720	0	Proxy will keep data locally for N hours, even if the data have already been synced with the server. This parameter may be used if local data will be used by third party applications.
ProxyMode	no	0-1	0	Proxy operating mode. 0 - proxy in the active mode 1 - proxy in the passive mode This parameter is supported since Zabbix 1.8.3. <i>Note</i> that (sensitive) proxy configuration data may become available to parties having access to the Zabbix server trapper port when using an active proxy. This is possible because anyone may pretend to be an active proxy and request configuration data; authentication does not take place.
ProxyOfflineBuffer	no	1-720	1	Proxy will keep data for N hours in case of no connectivity with Zabbix server. Older data will be lost.
ServerPort	no	1024-32767	10051	Port of Zabbix trapper on Zabbix server. Active proxy parameter. Ignored for passive proxies (see ProxyMode parameter).

Parameter	Mandatory	Range	Default	Description
Server	yes			<p>If ProxyMode is set to <i>active mode</i>: IP address or DNS name of Zabbix server to get configuration data from and send data to.</p> <p>If ProxyMode is set to <i>passive mode</i>: List of comma delimited IP addresses, optionally in CIDR notation, or DNS names of Zabbix server. Incoming connections will be accepted only from the addresses listed here. If IPv6 support is enabled then '127.0.0.1', '::127.0.0.1', '::ffff:127.0.0.1' are treated equally and '*/0' will allow any IPv4 or IPv6 address. '0.0.0.0/0' can be used to allow any IPv4 address. <i>Example:</i> Server=127.0.0.1,192.168.1.0/24,::1,2001:db8::/32,zabbix.example.com</p>
SNMPTrapperFile	no		/tmp/zabbix_traps.tmp	Temporary file used for passing data from SNMP trap daemon to the proxy. Must be the same as in zabbix_trap_receiver.pl or SNMPPTT configuration file. This parameter is supported since Zabbix 2.0.0.
SocketDir	no		/tmp	Directory to store IPC sockets used by internal Zabbix services. This parameter is supported since Zabbix 3.4.0.
SourceIP	no			Source IP address for outgoing connections.
SSHKeyLocation	no			Location of public and private keys for SSH checks and actions
SSLCertLocation	no			Location of SSL client certificate files for client authentication. This parameter is used in web monitoring only and is supported since Zabbix 2.4.0.
SSLKeyLocation	no			Location of SSL private key files for client authentication. This parameter is used in web monitoring only and is supported since Zabbix 2.4.0.
SSLCALocation	no			Location of certificate authority (CA) files for SSL server certificate verification. Note that the value of this parameter will be set as libcurl option CURLOPT_CAPATH. For libcurl versions before 7.42.0, this only has effect if libcurl was compiled to use OpenSSL. For more information see CURL web page . This parameter is used in web monitoring since Zabbix 2.4.0 and in SMTP authentication since Zabbix 3.0.0.
StartDBSyncers	no	1-100	4	Number of pre-forked instances of DB Syncers. The upper limit used to be 64 before version 1.8.5. This parameter is supported since Zabbix 1.8.3.
StartDiscoverers	no	0-250	1	Number of pre-forked instances of discoverers. The upper limit used to be 255 before version 1.8.5.
StartHTTTPollers	no	0-1000	1	Number of pre-forked instances of HTTP pollers.
StartIPMIPollers	no	0-1000	0	Number of pre-forked instances of IPMI pollers. The upper limit used to be 255 before version 1.8.5.
StartJavaPollers	no	0-1000	0	Number of pre-forked instances of Java pollers. This parameter is supported since Zabbix 2.0.0.
StartPingers	no	0-1000	1	Number of pre-forked instances of ICMP pingers. The upper limit used to be 255 before version 1.8.5.
StartPollersUnreachable	no	0-1000	1	Number of pre-forked instances of pollers for unreachable hosts (including IPMI and Java). Since Zabbix 2.4.0, at least one poller for unreachable hosts must be running if regular, IPMI or Java pollers are started. The upper limit used to be 255 before version 1.8.5. This option is missing in version 1.8.3.
StartPollers	no	0-1000	5	Number of pre-forked instances of pollers. The upper limit used to be 255 before version 1.8.5.
StartSNMPTrapper	no	0-1	0	If set to 1, SNMP trapper process will be started. This parameter is supported since Zabbix 2.0.0.
StartTrappers	no	0-1000	5	Number of pre-forked instances of trappers. Trappers accept incoming connections from Zabbix sender and active agents. The upper limit used to be 255 before version 1.8.5.
StartVMwareCollectors	no	0-250	0	Number of pre-forked vmware collector instances. This parameter is supported since Zabbix 2.2.0.
StatsAllowedIP	no			<p>List of comma delimited IP addresses, optionally in CIDR notation, or DNS names of external Zabbix instances. Stats request will be accepted only from the addresses listed here. If this parameter is not set no stats requests will be accepted.</p> <p>If IPv6 support is enabled then '127.0.0.1', '::127.0.0.1', '::ffff:127.0.0.1' are treated equally and '*/0' will allow any IPv4 or IPv6 address. '0.0.0.0/0' can be used to allow any IPv4 address. <i>Example:</i> StatsAllowedIP=127.0.0.1,192.168.1.0/24,::1,2001:db8::/32,zabbix.example.com</p> <p>This parameter is supported since Zabbix 4.0.5.</p>
Timeout	no	1-30	3	Specifies how long we wait for agent, SNMP device or external check (in seconds).
TLSAccept	yes, if TLS certificate or PSK parameters are defined (even for <i>unencrypted</i> connection), otherwise no			<p>What incoming connections to accept from Zabbix server. Used for a passive proxy, ignored on an active proxy. Multiple values can be specified, separated by comma: <i>unencrypted</i> - accept connections without encryption (default) <i>psk</i> - accept connections with TLS and a pre-shared key (PSK) <i>cert</i> - accept connections with TLS and a certificate</p> <p>This parameter is supported since Zabbix 3.0.0.</p>
TLSCAFile	no			Full pathname of a file containing the top-level CA(s) certificates for peer certificate verification, used for encrypted communications between Zabbix components. This parameter is supported since Zabbix 3.0.0.
TLSCertFile	no			Full pathname of a file containing the proxy certificate or certificate chain, used for encrypted communications between Zabbix components. This parameter is supported since Zabbix 3.0.0.

Parameter	Mandatory	Range	Default	Description
TLSCConnect	yes, if TLS certificate or PSK parameters are defined (even for <i>unencrypted</i> connection), otherwise no			How the proxy should connect to Zabbix server. Used for an active proxy, ignored on a passive proxy. Only one value can be specified: <i>unencrypted</i> - connect without encryption (default) <i>psk</i> - connect using TLS and a pre-shared key (PSK) <i>cert</i> - connect using TLS and a certificate This parameter is supported since Zabbix 3.0.0.
TLSCRLFile	no			Full pathname of a file containing revoked certificates. This parameter is used for encrypted communications between Zabbix components. This parameter is supported since Zabbix 3.0.0.
TLSSKeyFile	no			Full pathname of a file containing the proxy private key, used for encrypted communications between Zabbix components. This parameter is supported since Zabbix 3.0.0.
TLSPSKFile	no			Full pathname of a file containing the proxy pre-shared key. used for encrypted communications with Zabbix server. This parameter is supported since Zabbix 3.0.0.
TLSPSKIdentity	no			Pre-shared key identity string, used for encrypted communications with Zabbix server. This parameter is supported since Zabbix 3.0.0.
TLSServerCertIssuer	no			Allowed server certificate issuer. This parameter is supported since Zabbix 3.0.0.
TLSServerCertSubject	no			Allowed server certificate subject. This parameter is supported since Zabbix 3.0.0.
TmpDir	no		/tmp	Temporary directory.
TrapperTimeout	no	1-300	300	Specifies how many seconds trapper may spend processing new data.
User	no		zabbix	Drop privileges to a specific, existing user on the system. Only has effect if run as 'root' and AllowRoot is disabled. This parameter is supported since Zabbix 2.4.0.
UnavailableDelay	no	1-3600	60	How often host is checked for availability during the <i>unavailability</i> period, in seconds.
UnreachableDelay	no	1-3600	15	How often host is checked for availability during the <i>unreachability</i> period, in seconds.
UnreachablePeriod	no	1-3600	45	After how many seconds of <i>unreachability</i> treat a host as unavailable.
VMwareCacheSize	no	256K-2G	8M	Shared memory size for storing VMware data. A VMware internal check <code>zabbix[vmware,buffer,...]</code> can be used to monitor the VMware cache usage (see Internal checks). Note that shared memory is not allocated if there are no vmware collector instances configured to start. This parameter is supported since Zabbix 2.2.0.
VMwareFrequency	no	10-86400	60	Delay in seconds between data gathering from a single VMware service. This delay should be set to the least update interval of any VMware monitoring item. This parameter is supported since Zabbix 2.2.0.
VMwarePerfFrequency	no	10-86400	60	Delay in seconds between performance counter statistics retrieval from a single VMware service. This delay should be set to the least update interval of any VMware monitoring item that uses VMware performance counters. This parameter is supported since Zabbix 2.2.9, 2.4.4
VMwareTimeout	no	1-300	10	The maximum number of seconds vmware collector will wait for a response from VMware service (vCenter or ESX hypervisor). This parameter is supported since Zabbix 2.2.9, 2.4.4

Zabbix supports configuration files only in UTF-8 encoding without **BOM**.

Comments starting with “#” are only supported in the beginning of the line.

From: <https://www.zabbix.com/documentation/4.0/> - **Zabbix Documentation 4.0**

Permanent link: https://www.zabbix.com/documentation/4.0/manual/appendix/config/zabbix_proxy

Last update: **2019/06/03 08:03**

