

## 2 Zabbix proxy

The parameters supported in a Zabbix proxy configuration file:

Parameter	Mandatory	Range	Default	Description
CacheSize	no	128K-2G	8M	Size of configuration cache, in bytes. Shared memory size, for storing hosts and items data. The upper limit used to be 1G before version 2.0.5.
ConfigFrequency	no	1-604800	3600	How often proxy retrieves configuration data from Zabbix server in seconds. For a proxy in the passive mode this parameter will be ignored.
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. For SQLite3 path to database file must be provided. DBUser and DBPassword are ignored. 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.
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.

Parameter	Mandatory	Range	Default	Description
DebugLevel	no	0-4	3	Specifies debug level: 0 - no debug 1 - critical information 2 - error information 3 - warnings 4 - for debugging (produces lots of information)
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. For a proxy in the passive mode this parameter will be ignored.
HistoryCacheSize	no	128K-2G	8M	Size of history cache, in bytes. Shared memory size for storing history data. The upper limit used to be 1G before version 2.0.5.
HistoryTextCacheSize	no	128K-2G	16M	Size of text history cache, in bytes. Shared memory size for storing character, text or log history data. The upper limit used to be 1G before version 2.0.5.

Parameter	Mandatory	Range	Default	Description
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.  <b>This option is supported in version 1.8.6 and higher.</b>
HousekeepingFrequency	no	1-24	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.
Include	no			You may include individual files or all files in a directory in the configuration file. See <a href="#">special notes</a> about limitations.

Parameter	Mandatory	Range	Default	Description
JavaGateway	no			IP address (or hostname) of Zabbix Java gateway. Only required if Java pollers are started. <b>This option is supported in version 2.0.0 and higher.</b>
JavaGatewayPort	no	1024-32767	10052	Port that Zabbix Java gateway listens on. <b>This option is supported in version 2.0.0 and higher.</b>
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. <b>Multiple IP addresses are supported in version 1.8.3 and higher.</b>
ListenPort	no	1024-32767	10051	Listen port for trapper.
LogFileSize	no	0-1024	1	Maximum size of log file in MB. 0 - disable automatic log rotation.
LogFile	no			Name of log file. If not set, syslog is used.
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. <b>Supported since Zabbix 1.8.2 version.</b>
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.

Parameter	Mandatory	Range	Default	Description
ProxyMode	no	0-1	0	Proxy operating mode. 0 - proxy in the active mode 1 - proxy in the passive mode <b>This option is supported in version 1.8.3 and higher.</b>
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. For a proxy in the passive mode this parameter will be ignored.
Server	yes			IP address (or hostname) of Zabbix server. Active proxy will get configuration data from the server. For a proxy in the passive mode this parameter will be ignored.
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 SNMPTT configuration file. <b>This option is supported in version 2.0.0 and higher.</b>
SourceIP	no			Source IP address for outgoing connections.
SSHKeyLocation	no			Location of public and private keys for SSH checks and actions
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. <b>This option is supported in version 1.8.3 and higher.</b>
StartDiscoverers	no	0-250	1	Number of pre-forked instances of discoverers. The upper limit used to be 255 before version 1.8.5.

Parameter	Mandatory	Range	Default	Description
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. <b>This option is supported in version 2.0.0 and higher.</b>
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). The upper limit used to be 255 before version 1.8.5. <b>This option is missing in version 1.8.3.</b>
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. <b>This option is supported in version 2.0.0 and higher.</b>
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.
Timeout	no	1-30	3	Specifies how long we wait for agent, SNMP device or external check (in seconds).
TmpDir	no		/tmp	Temporary directory.
TrapperTimeout	no	1-300	300	Specifies how many seconds trapper may spend processing new data.

Parameter	Mandatory	Range	Default	Description
UnavailableDelay	no	1-3600	60	How often host is checked for availability during the <a href="#">unavailability</a> period, in seconds.
UnreachableDelay	no	1-3600	15	How often host is checked for availability during the <a href="#">unreachability</a> period, in seconds.
UnreachablePeriod	no	1-3600	45	After how many seconds of <a href="#">unreachability</a> treat a host as unavailable.

Zabbix supports configuration files only in UTF-8 encoding without [BOM](#).

From:

<https://www.zabbix.com/documentation/2.0/> - **Zabbix Documentation 2.0**

Permanent link:

[https://www.zabbix.com/documentation/2.0/manual/appendix/config/zabbix\\_proxy](https://www.zabbix.com/documentation/2.0/manual/appendix/config/zabbix_proxy)

Last update: **2016/09/10 11:59**

