

4 Upgrade notes

Database upgrade to 2.0 for MySQL will run UPDATE statement that fixes web monitoring item units for all items including the ones with correct unit. This should be harmless and only result in some additional UPDATES.

Option `--with-pgsql` for **configure** script has been changed to `--with-postgresql`.

During database upgrade with MySQL *ERROR 1436 (HY000): Thread stack overrun* - increase **thread_stack** in **my.cnf**. 256K should be enough.

User group access property "API access" has been removed. Starting with Zabbix 2.0, all users have full access to the API.

{IPADDRESS} macro deprecated, use {HOST.IP}

Directory **misc/conf** was moved to be just **conf** in the top level source directory.

Variables TRIGGER_FALSE_PERIOD and TRIGGER_BLINK_PERIOD in include/defines.inc.php have been removed. These settings may now be configured in *Administration* → *General* → *Trigger displaying options*.

"Host profiles" were renamed to "host inventory". New host inventory macros {INVENTORY.*} were introduced. {PROFILE.*} macros are still supported but it's highly recommended to change those to {INVENTORY.*} . See [this page](#) for details.

Upgrading to 2.0.0 may increase configuration cache usage, because it now additionally caches general configuration and trigger information.

Graph item type *Aggregated* has been removed. If such items are present, upgrade procedure will convert them to normal items.

Sorting by 'State' column in *Configuration* → *Maintenance* has been removed. Sorting by 'IP range' and 'Delay' columns in *Configuration* → *Discovery* have been removed.

After upgrading, sorting in all locations (tables) will be reset to defaults.

4.1 Requirement changes

- Dropping MSIE 6 and 7 support for Zabbix frontend
- MySQL 5.0
- Windows 2000 (should specify minimum SP level)
- Minimum supported PHP version has been changed to 5.1.6
- Note that with the use of jQuery for the Zabbix frontend browser compatibility might have suffered somewhat - most notably, Konqueror does not work anymore.
- Minimum supported PostgreSQL version has been changed to 8.0
- Frontend now requires:
 - PHP gettext
 - PHP XML Reader
 - PHP XML Writer

4.2 Changed default configuration directories

- **configuration files location**

`/etc/zabbix` → `/usr/local/etc` (depends on compile-time installation variable `sysconfdir`)

- **external scripts**

`/etc/zabbix/externalscripts` → `/usr/local/share/zabbix/externalscripts` (depends on compile-time installation variable `datadir`)

- **alert scripts**

`/home/zabbix/bin` → `/usr/local/share/zabbix/alertscripts` (depends on compile-time installation variable `datadir`)

- **include directories** (recommended)

`/etc/zabbix/zabbix_server` → `/usr/local/etc/zabbix_server.conf.d`
`/etc/zabbix/zabbix_proxy` → `/usr/local/etc/zabbix_proxy.conf.d`
`/etc/zabbix/zabbix_agent` → `/usr/local/etc/zabbix_agent.conf.d`
`/etc/zabbix/zabbix_agentd` → `/usr/local/etc/zabbix_agentd.conf.d`

4.3 Installation procedure changes

Schema file **sqlite.sql** has been renamed to **sqlite3.sql**.

Image file **images_pgsql.sql** has been renamed to **images_postgresql.sql**.

Database creation files have been moved in **database** directory. It contains one directory per supported database type.

4.4 Item changes

net.tcp.dns and **net.tcp.dns.query** have been [renamed](#) to **net.dns** and **net.dns.record**, respectively. Old syntax still supported as an alias.

All items that return text (character, log, text types of information), including user parameters and external checks, now can return whitespace only as well, setting the return value to an empty string.

Internal item **zabbix[log]** has been removed.

External check parameter handling was changed. Previously, only one parameter was accepted. Starting with Zabbix 2.0, key syntax conforms to other types of items and multiple comma-separated parameters may be passed.

Multi-line values can now be stored for the output of external checks.

Hardcoded first parameter {HOST.CONN} for external checks has been removed and now external check parameters may be fully customised. Upgrade process adds this macro as a first parameter to all existing external checks.

After upgrading, it is recommended to manually review all external checks that have more than one parameter in the key for any possible conversion errors to correct.

The format of [simple checks](#) has been changed. The possibility of using IP addresses in simple checks has been added. Database upgrade process converts all existing simple check keys to the new syntax.

A **status** item has been removed. Instead of it a new [internal item](#) - **zabbix[host,agent,available]** has been added. The database upgrade process **doesn't convert** all existing 'status' keys and associated triggers to the new syntax, so they have to be converted manually.

4.5 Upgrade notes for proxies

Older Zabbix proxies (1.6 and 1.8) can not be used with Zabbix 2.0 server. All proxies must be upgraded at the same time as the server.

Zabbix 1.8 proxies may continue collecting data while the server database is upgraded. In this case proxy database must be converted before the new server is started up. Proxy will send all collected and converted values to the server once both server and proxy are upgraded and started up.

4.6 Upgrade notes for agents

Server parameter has been changed. Entries in it will never be used for active checks, only for passive. Only entries from **ServerActive** will be used for active checks.

Parameter **ServerPort** has been removed. If it will be still specified in the configuration file, agent will not start up.

Parameters **DisableActive** and **DisablePassive** have been removed. Instead, not specifying **ServerActive** will not do any active item processing, and specifying **StartAgents=0** will disable processing of incoming connections for passive items.

If these parameters will be still specified in the configuration file, agent will not start up.

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