

7 Upgrade notes for 2.0.0

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 8.1
- Frontend now requires:
 - PHP gettext
 - PHP XML Reader
 - PHP XML Writer

2 Frontend specific upgrade notes

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

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*.

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.

Multiple element selecting in maps while holding down *Shift* was removed. On Mac OSX multiple elements can now be selected by holding down *Command*.

Dropdown choice in *Administration* → *General* is not remembered anymore.

3 Database upgrading 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.

For better performance, especially with large databases on MySQL, increasing [innodb_buffer_pool_size](#) before upgrading is highly suggested. Also, disable binlog, if it is not needed, or increase [binlog_cache_size](#).

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

4 Zabbix server related notes

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

5 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`

6 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.

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

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

7 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.

A more strict parameter validation has been introduced. Whereas previously parameters for items that do not support parameters would be ignored, now the items will return ZBX_NOTSUPPORTED and become unsupported.

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.

8 Upgrade notes for proxies

Older Zabbix proxies (1.6 and 1.8) cannot be used with Zabbix 2.0 server; similarly, a Zabbix 2.0 proxy cannot be used with Zabbix 1.8 or older 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.

9 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.

See also: [Version compatibility](#).

10 Upgrade notes for web monitoring

If a host was assigned to be monitored by a proxy before upgrading to 2.0 and it had a web scenario assigned to it, this web scenario would be performed from the Zabbix server. After upgrade such a web scenario may stop working. After upgrading to 2.0 the proxy that this host is assigned to should be compiled with web monitoring support and be able to access websites, used in the scenario.

11 General notes

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

“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.

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