

## 9 What's new in Zabbix 1.8.5

### 9.1 Frontend improvements

#### 9.1.1 Network map improvements

Network maps can now be referenced on the frontend not only by id, but also by name, just like [screens in 1.8.4](#). Adding GET parameter **mapname** will open the map with that name, for example:

```
http://zabbix/zabbix/maps.php?mapname=Drag%20and%20drop%20map
```

If both **sysmapid** (network map ID) and **mapname** are specified, **mapname** has higher priority.

If **mapname** parameter is used, selected network map won't be saved in user profile - that is, revisiting map section later will retrieve previously chosen map, not the one referenced by name.

#### 9.1.2 Removed Zapcat compatibility switch

[Zapcat compatibility switch](#), added in 1.8.4, has been removed. Instead, expression parser has been reworked to accept Zapcat syntax by default.

#### 9.1.3 Reordered configuration menu

Sequence of configuration menu entries *Discovery* and *IT services* was changed to match the one in monitoring section.

#### 9.1.4 Added translations

- Slovak

#### 9.1.5 Updated translations

- Brazilian Portuguese
- Latvian
- Japanese
- Russian
- Ukrainian

### 9.2 Zabbix daemon improvements

#### 9.2.1 Zabbix agent improvements

### 9.2.1.1 Improved performance

Zabbix agent performance has been improved, especially on systems with many cores.

### 9.2.1.2 Unified internal process startup messages

Zabbix agent now prints internal process types upon startup just like the server does. Example Zabbix agent daemon startup log:

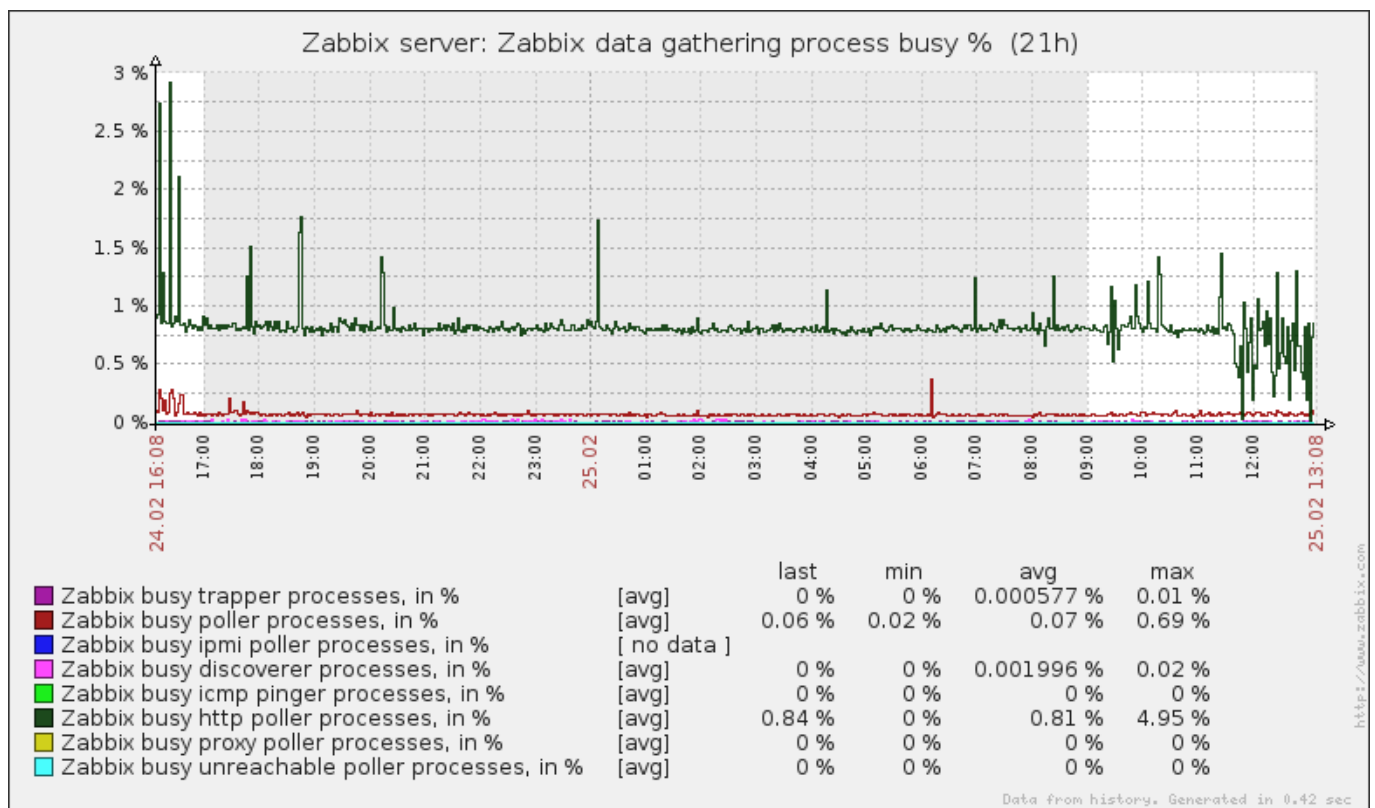
```

943:20110224:111750.848 agent #0 started [collector]
943:20110224:111750.848 agent #1 started [listener]
943:20110224:111750.850 agent #2 started [listener]
943:20110224:111750.851 agent #3 started [listener]
943:20110224:111750.851 agent #4 started [active checks]

```

### 9.2.2 New items supported

[New internal item](#) was added to monitor Zabbix process state. Item **zabbix[process,<type>,<mode>,<state>]** allows to monitor busy or idle percentage of different Zabbix server processes over the last minute.



It is now possible to determine how much each of Zabbix server internal processes spent in a busy state. This should help with evaluating performance, estimating how many poller processes to use and other Zabbix finetuning tasks.

### 9.2.3 Process limits changed

Zabbix daemon internal process limits have been changed. These changes affect Zabbix server and proxy daemons.

Option	Previous limit	New limit
StartDBSyncers	64	100
StartDiscoverers	255	250
StartHTTTPollers	255	1000
StartIPMIPollers	255	1000
StartPingers	255	1000
StartPollersUnreachable	255	1000
StartPollers	255	1000
StartProxyPollers	255	250
StartTrappers	255	1000

For Zabbix agent daemon, maximum value of **StartAgents** has been increased from 16 to 100.

### 9.2.4 Listening on IPv6 and IPv4

Support for listening on all IPv4 and IPv6 addresses at the same time has been added.

### 9.2.5 Global regular expression support with proxies

Global (user definable) regular expression support has been added for use with Zabbix proxies.

## 9.3 Misc improvements

Added Ubuntu upstart configuration files.

### 9.3.1 New trigger functions

Several new [trigger functions](#) have been added.

- **dayofmonth** returns current date
- **logeventid** checks whether Event ID of the last log entry matches a regular expression

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