What's new in Zabbix 2.4.4

9.1 Extended IP range option in network discovery

Previously, IP range matching was possible by specifying a range like 192.168.1.1-255. That, however, was not sufficient for easily specifying multiple subnets, thus the range option has now been extended to also allow specifying a range like 192.168.1-10.1-255.

The extended option is supported in discovery rules and in discovery-based action conditions. The new range is limited by the total number of covered addresses (less than 64K) in network discovery rules, but not limited in action conditions.

9.2 VMware monitoring improvements

VMware performance collector based statistics retrieval was separated from VMware data retrieval:

- VMware collector now sends fewer requests to VMware servers, greatly improving performance of configuration data and performance collector based statistics gathering.
- VMware performance collector based statistics retrieval is much faster and can be done more frequently than VMware configuration data retrieval. To avoid it being delayed by VMware configuration data retrieval it is recommended to enable more VMware collectors than monitored services in your Zabbix server/proxy configuration.
- `vmware.vm.perfcounter` and `vmware.hv.perfcounter` items were added to allow custom hypervisor and virtual machine performance counter monitoring.

A configurable timeout was added to VMware data requests. See `VMwareTimeout` option in server and proxy configuration documentation.

VMware data requests were optimized to reduce the amount of transferred data by half.

9.3 Frontend improvements

9.3.1 Updated translations

- Brazilian Portuguese
- Chinese (China)
- Japanese
- Korean
- Polish
- Russian
- Slovak

9.3.2 Miscellaneous improvements

- Width of the Host column in Monitoring → Latest data has been increased
- Chinese (China) translation is 100% completed and is now displayed in the language dropdown
- Audit records about failed login attempts have been added

### 9.4 Daemon improvements

- When monitoring Windows eventlog Zabbix agent will no longer set an item state to NOTSUPPORTED in case of error when formatting the message. Instead, an unformatted message will be used.
- Item `proc_info` on Windows was improved to get more information about the processes.
- The `SourceIP` configuration parameter is now respected in web monitoring, VMware monitoring, Ez Texting alerts and net.tcp.service{.perf}[https] items.

### 9.5 Miscellaneous improvements

#### 9.5.1 Validation of global regular expressions in LLD rules

A check for valid reference has been added for global regular expressions in LLD rules. If entered reference is not valid, due to misspelling or missing referenced global regular expression, the respective LLD rule will become unsupported and appropriate error message will be displayed.