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ONLINE / 2021**

# **TOP 10 REASONS TO MIGRATE TO ZABBIX 6.0 LTS**

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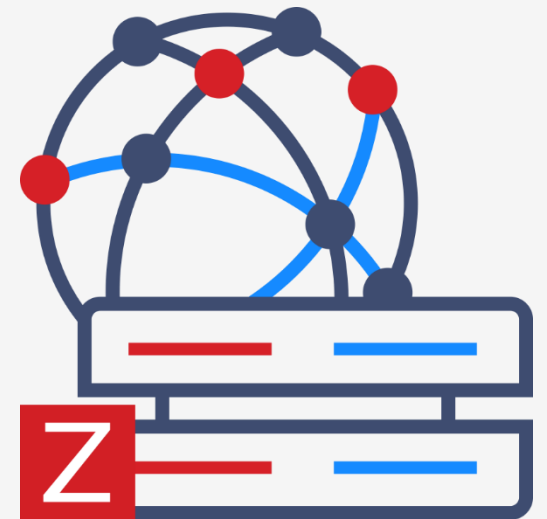
# 01

NEW MONITORING POSSIBILITIES



# NEW MONITORING POSSIBILITIES

- ✔ Monitoring of SSL certificate validity and expiration data (expiry date, issuer, version, subject and other attributes)
- ✔ New metrics (ZAgent2): file owner, file properties, extended interface info, extended TCP info, SHA2 hashes for files and many others
- ✔ New templates: NGINX+, HPE/DELL servers, CISCO ASA, system, Cloudflare and so on.
- ✔ VMWare maintenance status monitoring
- ✔ Support of monitoring of VMWare health and sensor status



# 02

## ADVANCED PROBLEM DETECTION



# ADVANCED PROBLEM DETECTION

- ✓ New trigger functions: *monoinc()* and *monodec()* – detect monotonic increase and decrease, e.g. queues or disk space
- ✓ Baseline monitoring – let Zabbix setup thresholds by utilizing machine learning techniques
- ✓ Advanced anomaly detection – detect deviations with one function
- ✓ Extended Prometheus-related metrics possibilities





# 03

INCREASED SECURITY



# INCREASED SECURITY

- ✔ New password complexity requirements: configurable password policy, common password list check
- ✔ Audit log advanced upgrade: log all changes of all Zabbix objects, new API methods, new filters



# 04

## HA AND LOAD BALANCING





# HA AND LOAD BALANCING – OUT OF BOX

Key aspects:

- ✔ Protection against software and hardware failures
- ✔ Minimize downtime during software/hardware maintenance
- ✔ Quick change between HA and non-HA modes
- ✔ Multiple Zabbix Server instances (nodes), only one active
- ✔ All use the same database
- ✔ Two modes: active and standby
- ✔ Nodes compatible across minor Zabbix versions



# 05

## ADVANCED BUSINESS SERVICE MONITORING



# ADVANCED BSM

- ✓ Make Zabbix scale up to 100 000 services
- ✓ Tag based mapping between services and problems
- ✓ User permissions for the service tree
- ✓ Support of alerting on service status changes
- ✓ Support of complex service status calculation and propagation rules
- ✓ Advanced SLA reporting
- ✓ Root cause analysis
- ✓ Import/export for services
- ✓ New widgets for SLA reporting





# 06

ADVANCED VISUALIZATION



# ADVANCED VISUALIZATION

- ✓ New widgets: advanced host status, data table, events over time and geographical map
- ✓ Single value display widget
- ✓ Extend graph widget with stacked graphs and items linked by ID
- ✓ Pie graphs
- ✓ Vector graphs in Latest data
- ✓ Simple widget prototyping



# 07

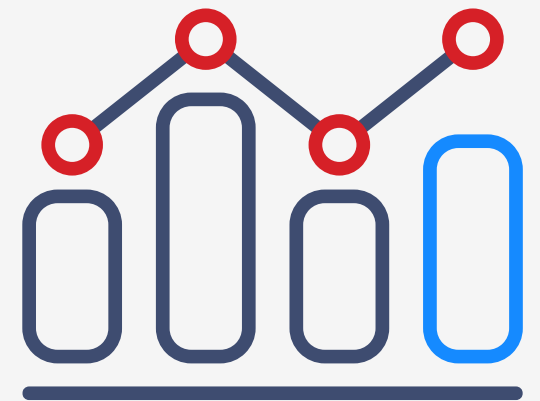
LESS LIMITATIONS





# LESS LIMITATIONS

- ✓ *Timeout* parameter for *zabbix\_get* and *zabbix\_sender*
- ✓ *backlog* parameter for all Zabbix components
- ✓ Reloading Zabbix agent's configuration file without restart
- ✓ Increasing maximum buffer size for proxies
- ✓ Detect agent version with new agent item *agent.variant*
- ✓ New aggregation function *count()*



08

BETTER USABILITY



# BETTER USABILITY

- ✓ Ability to create items and hosts from Monitoring part of UI
- ✓ Different look&feel for Zabbix UI
- ✓ Re-branding support
- ✓ Better and more consistent UI (collection of small improvements)
- ✓ Easier to setup PDF reporting (plus SSL certificate ignore option)





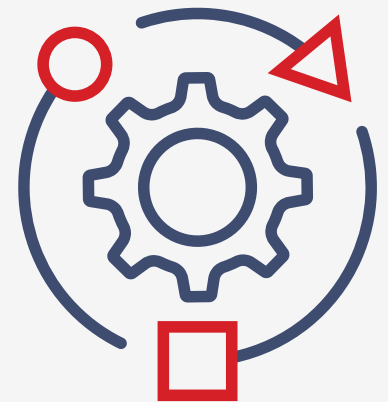
# 09

BETTER PERFORMANCE



# BETTER PERFORMANCE

- ✓ API performance improvements to speedup operations with 1M of devices
- ✓ Primary keys for historical tables
- ✓ Better performance of template linkage by Zabbix Server



# 10

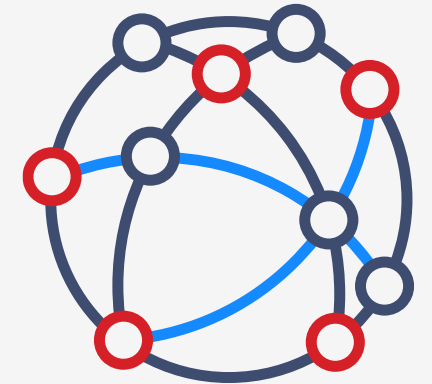
OTHER IMPROVEMENTS





# OTHER IMPROVEMENTS

- ✓ Replace simple macros with expression macros
- ✓ Get rid of tab "Templates", move templates to the first tab
- ✓ Automatic type selection in item form
- ✓ Replace link Share by Integrations
- ✓ Suppress "Escalation cancelled" messages
- ✓ Drop support of older database engines
- ✓ And many and many others ...





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# Thank you!

[www.zabbix.com](http://www.zabbix.com)