

## 3 Zabbix features

### Overview

Zabbix is a highly integrated network monitoring solution, offering a multiplicity of features in a single package.

### Data gathering

- availability and performance checks
- support for SNMP (both trapping and polling), IPMI, JMX, VMware monitoring
- custom checks
- gathering desired data at custom intervals
- performed by server/proxy and by agents

### Flexible threshold definitions

- you can define very flexible problem thresholds, called triggers, referencing values from the backend database

### Highly configurable alerting

- sending notifications can be customized for the escalation schedule, recipient, media type
- notifications can be made meaningful and helpful using macro variables
- automatic actions include remote commands

### Real-time graphing

- monitored items are immediately graphed using the built-in graphing functionality

### Web monitoring capabilities

- Zabbix can follow a path of simulated mouse clicks on a web site and check for functionality and response time

### Extensive visualisation options

- ability to create custom graphs that can combine multiple items into a single view
- network maps
- custom screens and slide shows for a dashboard-style overview
- reports
- high-level (business) view of monitored resources

### Historical data storage

- data stored in a database
- configurable history
- built-in housekeeping procedure

### Easy configuration

- add monitored devices as hosts

- hosts are picked up for monitoring, once in the database
- apply templates to monitored devices

## Use of templates

- grouping checks in templates
- templates can inherit other templates

## Network discovery

- automatic discovery of network devices
- agent autoregistration
- discovery of file systems, network interfaces and SNMP OIDs

## Fast web interface

- a web-based frontend in PHP
- accessible from anywhere
- you can click your way through
- audit log

## Zabbix API

- Zabbix API provides programmable interface to Zabbix for mass manipulations, 3rd party software integration and other purposes.

## Permissions system

- secure user authentication
- certain users can be limited to certain views

## Full featured and easily extensible agent

- deployed on monitoring targets
- can be deployed on both Linux and Windows

## Binary daemons

- written in C, for performance and small memory footprint
- easily portable

## Ready for complex environments

- remote monitoring made easy by using a Zabbix proxy

From:

<https://www.zabbix.com/documentation/5.0/> - **Zabbix Documentation 5.0**

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