



## Zabbix Documentation 3.0

**1.8 2.0 2.2 2.4**

**3.0**

**3.2 3.4**

---

### 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 auto registration
- 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
-