

An uncompromising mature enterprise-level platform designed for real-time monitoring of millions of metrics collected from thousands of ASAP servers, virtual machines and network devices, effortlessly scaling to even larger environments. Gather and analyze accurate statistics and performance metrics, visualize it, get notified about current and potential issues without delay, and take advantage of our time-tested professional development and support.



Support small to very large distributed environments

IoT ready (Internet of Things)

Support wide variety of architectures

Send notifications or execute remote commands in case of current or potential problems

Rich visualization capabilities, customizable dashboard, custom graphs and network maps

Provide distributed monitoring options with the use of Zabbix proxies

ADVANTAGES



FEATURES

- Improve the quality of your services and reduce operating costs by avoiding downtime
- Monitor resource usage trends as your business grows and plan capacity increase in a timely manner
- Extensive documentation
- All Zabbix is open source



SCALABILITY

- Over 100,000 monitored devices
- Over 10,000,000 of metrics
- Thousands of checks per second
- Small to large distributed setups
- Easy maintenance



PROFESSIONAL SERVICES

- Technical Support and Training
- Trouble-free deployment
- Turn-key Solutions
- Consulting

ARCHITECTURE

Zabbix server is a central process of ASAP Zabbix software that performs monitoring, interacts with Zabbix proxies and agents, calculates triggers, sends notifications and acts as a central repository of data.

The server is the central repository in which all configuration, statistical and operational data is stored, and it is the entity in ASAP Zabbix that will actively alert administrators when problems arise in any of the monitored systems.

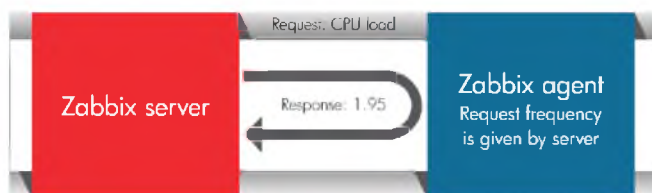
ZABBIX PROXY

A Zabbix proxy collects performance and availability data on behalf of the Zabbix server. This way, a proxy can take on itself some of the load of collecting tasks and offload the Zabbix server.

Also, using a proxy is the easiest way of implementing centralized and managed distributed monitoring.

ZABBIX AGENT | MODES

Passive Mode



Advantages of passive mode:

1. Ease of setup
2. Support for data collection with flexible intervals
3. Intuitiveness in communication (request <-> response).
4. Simpler troubleshooting

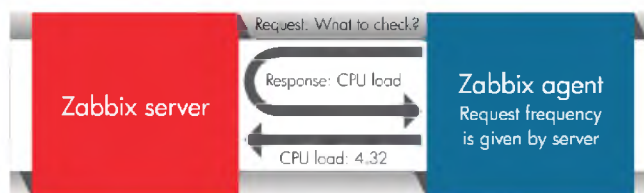
ZABBIX AGENT

Zabbix agent is a process deployed on monitoring targets to actively monitor local resources and applications (storage drives, memory, processor statistics, network, file systems, etc).

The agent gathers operational information locally and reports data to Zabbix server for further processing.

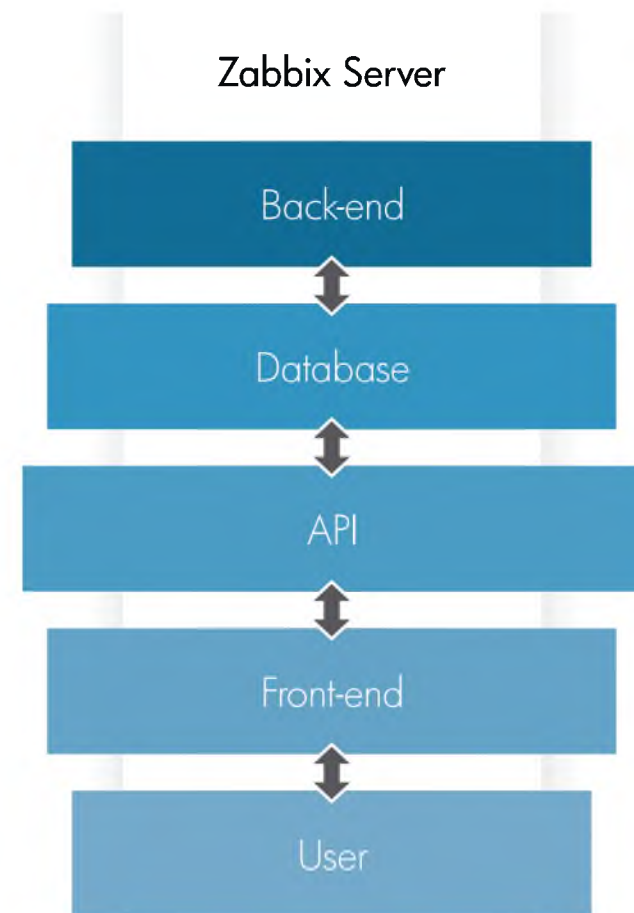
Zabbix agents are extremely efficient because of use of native system calls for gathering information.

Active Mode



Advantages of active mode:

1. Can be used behind NAT
2. Data buffering
3. Reduce load on Zabbix server. (No load on Zabbix pollers)
4. More secure



MAIN FEATURES

A solid monitoring solution for multiple OS platforms

- Cross-platform
- Extensive customization capabilities of Zabbix allow to integrate it in any environment
- Modularity and flexibility

True open-source software

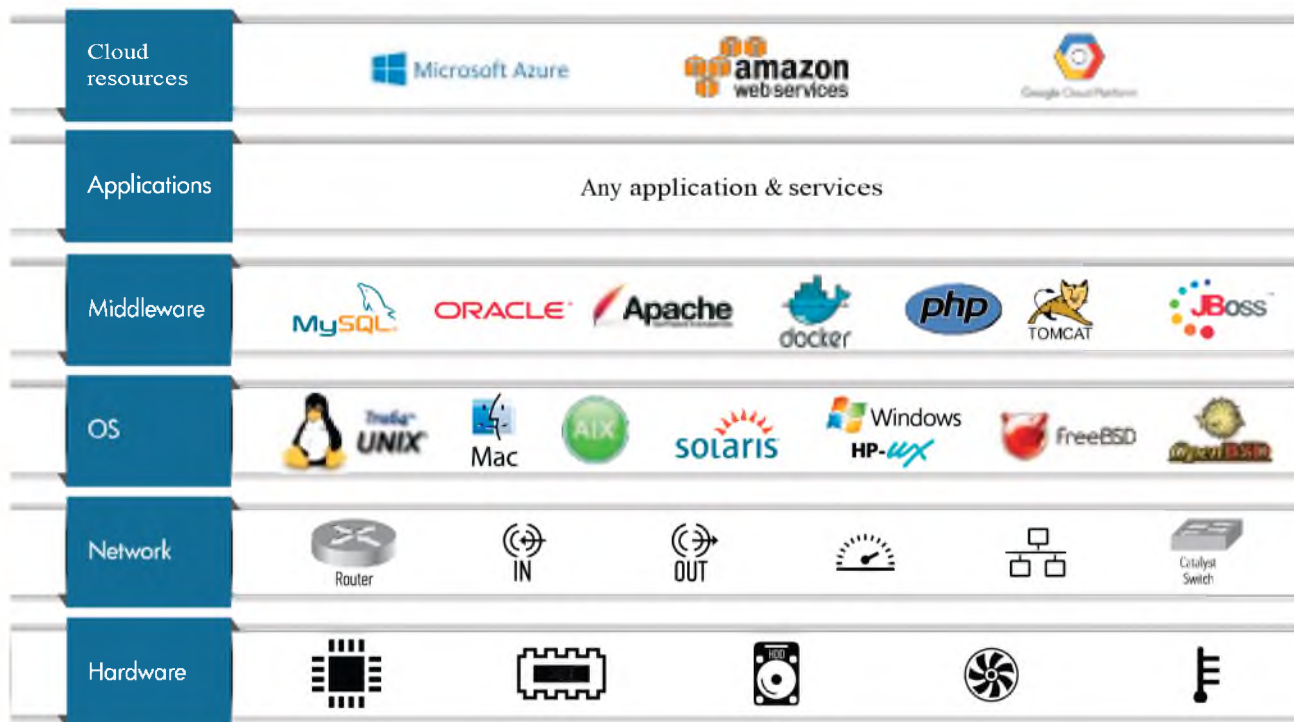
- Optimized for ASAP Servers
- Free for commercial and non-commercial use
- Phenomenal Zabbix community support from thousands of members around the world

Scaling to large environments

- Able to process more than 50,000 checks per second
- Scales up to hundreds of thousands of monitored devices
- Reliable commercial support

Data gathering

- Zabbix offers great performance and can be scaled to very large environments.
- Data is gathered using various methods, including Zabbix native agents and agentless options: SNMPv1, SNMPv2, SNMPv3, IPMI, WMI, trappers, SSH, Telnet, web checks.



Notification

Zabbix allows not only to collect, store and analyze information about monitored environment, but also to inform responsible personnel about occurred incidents through a variety of notification methods:

- e-mail
- SMS
- Jabber
- further notifications can be scripted and customized (depending on the context)

examples: (Skype, instant messaging, voice, etc.)

Powerful escalation module supports building of complicated workflows to assist delivering only relevant alert information to responsible personnel at the right time.