IN THE BEGINNING WAS THE WORD

* THE FIRST VERSE IN THE OPENING CHAPTER OF THE GOSPEL OF JOHN
MANY YEARS LATER

THE CODE APPEARED
Zabbix source appeared

`Alexei Vladishev` committed `a1e67017141` 28 Mar 2001

Initial revision

```
#include "common.h"
#include "db.h"
#include "debug.h"
#include "functions.h"

void signal_handler( int sig )
{
  if (SIGALRM == sig )
  {
    signal( SIGALRM, signal_handler );
  
    dbgwrite( dbg_syswarn, "Timeout while executing operation." );
  }
```
Source provides flexibility and control
Zabbix sources are very popular

Downloads of Zabbix source from SourceForge by months
# Zabbix binaries

## FOR PRODUCTION USE
- Install from Packages

## FOR CONTAINERS
- Zabbix Docker images

## FOR QUICK DEPLOYMENT
- Zabbix Appliance

## FOR DEEP CUSTOMIZATION
- Zabbix Sources

## FOR AGENT DEPLOYMENT
- Zabbix Agents

---

## Download and install pre-compiled Zabbix agents

<table>
<thead>
<tr>
<th>Version</th>
<th>OS</th>
<th>Hardware</th>
<th>Encryption</th>
<th>MD5</th>
<th>Zabbix Manual</th>
<th>Download</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.2</td>
<td>macOS (pkg)</td>
<td>amd64</td>
<td>GnuTLS</td>
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<td>amd64</td>
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<td></td>
<td>Download</td>
</tr>
</tbody>
</table>
ALL YOU WANT IS
GIVE IT A TRY

DEPLOYING ZABBIX
IN THE CLOUD
# Zabbix appliances

## Install Zabbix Appliance

<table>
<thead>
<tr>
<th>Zabbix 4.2</th>
<th>Zabbix 4.0 LTS</th>
<th>Zabbix 3.0 LTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Version</strong></td>
<td><strong>Release</strong></td>
<td><strong>Date</strong></td>
</tr>
<tr>
<td>Zabbix 4.2</td>
<td>4.2.5</td>
<td>Jul 29, 2019</td>
</tr>
<tr>
<td>Zabbix 4.2</td>
<td>4.2.5</td>
<td>Jul 29, 2019</td>
</tr>
<tr>
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<td>Zabbix 4.2</td>
<td>4.2.5</td>
<td>Jul 29, 2019</td>
</tr>
</tbody>
</table>
with its own fan group

Downloads of Zabbix appliance by months
BUT SOURCE REQUIRES KNOWLEDGE AND TIME

DEPLOYING ZABBIX IN THE CLOUD
Packages appeared for Zabbix server

1. Choose your platform

<table>
<thead>
<tr>
<th>ZABBIX VERSION</th>
<th>OS DISTRIBUTION</th>
<th>OS VERSION</th>
<th>DATABASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.2</td>
<td>Red Hat Enterprise Linux</td>
<td>8</td>
<td>MySQL</td>
</tr>
<tr>
<td>4.0 LTS</td>
<td>CentOS</td>
<td>7</td>
<td>PostgreSQL</td>
</tr>
<tr>
<td>3.0 LTS</td>
<td>Oracle Linux</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>2.2 LTS</td>
<td>Ubuntu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pre-4.4</td>
<td>Debian</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>SUSE Linux Enterprise Server</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Raspbian</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

release notes 4.2
which became even more popular.
WITH THE WORLD GETTING BIGGER, PEOPLE WERE SEARCHING FOR ISOLATION

DEPLOYING ZABBIX IN THE CLOUD
We packed Zabbix into containers
Zabbix

by Zabbix

Product Overview

Zabbix is the ultimate enterprise-level software designed for real-time monitoring of millions of metrics collected from tens of thousands of servers, virtual machines and network devices. Zabbix is Open Source and comes at no cost.

Zabbix is an all-in-one monitoring solution that allows users to collect, store, manage and analyze information received from IT infrastructure, as well as display on-screen, and alert by e-mail, SMS or Jabber when thresholds are reached.

Zabbix allows administrators to recognize server and device problems within a short period of time and therefore reduces the system downtime and risk of system failure. The monitoring solution is being actively used by SMBs and large enterprises across all industries and almost in every country of the world.

Resources
Red Hat Openshift

Deploy an existing image from an image stream tag or image registry.

- Image Stream Tag
- Image Name

To deploy an image from a private repository, you must create an image pull secret with your image registry credentials.

Image: zabbix/zabbix-appliance
- 41 days ago, 9.7 MB, 15 layers
- Image stream: zabbix-appliance container will track this image.
- This image will be deployed in DeploymentConfig: zabbix-appliance.
- Ports 80/HTTP, 443/HTTPS, and 10000/UDP will be load-balanced by Service zabbix-appliance.
Docker Hub

Repositories

Displaying 12 of 12 repositories

**zabbix/zabbix-agent**
By **zabbix** • Updated 8 days ago

Zabbix agent with TLS encryption support

- Container
- Linux
- x86-64

**zabbix/zabbix-web-apache-mysql**
By **zabbix** • Updated 6 hours ago

Zabbix frontend based on Apache web-server with MySQL database support
Why clouds?

- Agile - quick availability of required resources
- Effective scaling up and down
- No capital expenses
- Better disaster recovery
- Instant provisioning
- Start with POC, continue to grow further
Which clouds?

Figure 1. Magic Quadrant for Cloud Infrastructure as a Service, Worldwide

Source: Gartner (July 2019)
AWS Marketplace

Zabbix server virtual appliance 4.2 Medium Performance

By: Zabbix SIA  Latest Version: 4.2.6

Zabbix is an enterprise-class open source distributed monitoring software designed to monitor and track performance and availability of network servers, devices, services and other IT

Product Overview

Zabbix is an enterprise-class open source distributed monitoring solution designed to monitor and track performance and availability of network servers, devices, services and other IT resources.

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Zabbix allows administrators to recognize server and device problems within a short period of time and therefore reduces the system downtime and risk of system failure. The monitoring solution is being actively used by SMBs and large enterprises across all industries and almost in every country of the world.

Highlights

- All-in-one monitoring solution
- Appliance ready to use out of the box: includes MySQL, Nginx, and PHP
- Highly Performing and Flexible
Zabbix Server 4.2

Zabbix

Zabbix is a software that monitors and tracks performance and availability of IT infrastructure.

Zabbix is an enterprise-class open source distributed monitoring solution designed to monitor and track performance and availability of network servers, devices, services and other IT resources.

Zabbix is an all-in-one monitoring solution that allows users to collect, store, manage and analyze information received from IT infrastructure, as well as display on-screen, and alert by e-mail, SMS or Jabber when thresholds are reached.

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Learn more

- Learn from documentation
- Purchase Technical Support contract
- Zabbix official Forum
- Webinars
- Community template repository
- \n
ZABBIX SERIES

ZABBIX 4.2

WHAT'S NEW
Digital Ocean

Zabbix

by Zabbix

Version 4.2  OS CentOS 7

Description

Zabbix is an enterprise-class open source distributed monitoring solution designed to monitor and track performance and availability of network servers, devices, services and other IT resources. Zabbix is an all-in-one monitoring solution that allows users to collect, store, manage and analyze information received from IT infrastructure, as well as display on-screen, and alert by e-mail, SMS or Jabber when thresholds are reached. Zabbix allows administrators to recognize server and device problems within a short period of time and therefore reduces the system downtime and risk of system failure. The monitoring solution is being actively used by SMBs and large enterprises across all industries and almost in every country of the world.

Software Included

Support Details

Supported By: Zabbix
Support URL: https://www.zabbix.com/support

Learn More

Product Docs
Technical overviews, how-tos, release notes, and support material
Easy to find

For production use: Install from Packages
For Clouds: Zabbix Cloud Images
For containers: Zabbix Container Images
For quick deployment: Zabbix Appliance
For deep customization: Zabbix Sources
For agent deployment: Zabbix Agents

Zabbix Cloud Images

- AWS: Zabbix Server 4.2, Mysql + Nginx
- Azure: Zabbix Server 4.2, Mysql + Nginx
- DigitalOcean: Zabbix Server 4.2, Mysql + Nginx
- Google Cloud: Zabbix Server 4.2, Mysql + Nginx (coming soon)
Pricing

$0.125/h per vCPU + Infrastructure cost
Price/performance

The table shows current software and infrastructure pricing for services hosted in US East (N. Virginia). Additional taxes or fees may apply.

### Zabbix server virtual appliance 4.2 Medium Performance

<table>
<thead>
<tr>
<th>EC2 instance type</th>
<th>Software/hr</th>
<th>EC2/hr</th>
<th>Total/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>t2.medium</td>
<td>$0.25</td>
<td>$0.046</td>
<td>$0.296</td>
</tr>
<tr>
<td>t2.large</td>
<td>$0.25</td>
<td>$0.093</td>
<td>$0.343</td>
</tr>
</tbody>
</table>

- **Type of data**
  - **Zabbix configuration**: 0.01 GB
  - **History**: 593.84 GB
  - **Trends**: 22.03 GB
  - **Events**: 10.46 GB
  - **Minimum space required on disk**: 626.34 GB

---

Up to **1,000** NVPS

~**$309,56** / month includes:

- Zabbix virtual appliance
- Infrastructure (t2.large)
- Storage (EBS general purpose SSD)
- Traffic not included

---

Customer Environment parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit of measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of hosts</td>
<td>1,000</td>
<td></td>
</tr>
<tr>
<td>Average number of items from 1 host</td>
<td>30</td>
<td>items</td>
</tr>
<tr>
<td>Number of items collected</td>
<td>30,000</td>
<td>items</td>
</tr>
<tr>
<td>Average frequency of reading items</td>
<td>30</td>
<td>seconds</td>
</tr>
<tr>
<td>Store history for</td>
<td>90</td>
<td>days</td>
</tr>
<tr>
<td>Housekeeper should keep trends for</td>
<td>365</td>
<td>days</td>
</tr>
<tr>
<td>Housekeeper should keep events for</td>
<td>365</td>
<td>days</td>
</tr>
</tbody>
</table>
Technical Support

- Not included in the virtual appliance price
- Experimental for the clouds for now
- Will not cover 3rd party offerings

Discuss support availability with our Sales Team
THANK YOU!

Sergey Sorokin  
ZABBIX Business Development Director