



Webinar

Install Zabbix 7.0 in 5 minutes

all our microphones are muted

ask your questions in Q&A, not in the Chat

use Chat for discussion, networking or applause

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Installation options



Install Zabbix 7.0 in 5 minutes

Zabbix installation and configuration

› <https://www.zabbix.com/download>

Zabbix
Packages

Zabbix
Cloud
Images

Zabbix
Containers

Zabbix
Appliance

Zabbix
Sources

Zabbix
Agents

Install Zabbix 7.0 in 5 minutes

Zabbix installation and configuration

ZABBIX VERSION	OS DISTRIBUTION	OS VERSION	ZABBIX COMPONENT	DATABASE [?]	WEB SERVER
7.0 LTS	Alma Linux	9 Stream	Server, Frontend, Agent	MySQL	Apache
6.4	CentOS	8 Stream	Proxy	PostgreSQL	Nginx
6.0 LTS	Debian	7	Agent		
5.0 LTS	Debian (arm64)	6	Agent 2		
	OpenSUSE Leap		Java Gateway		
	Oracle Linux		Web Service		
	Raspberry Pi OS				
	Red Hat Enterprise Linux				
	Rocky Linux				
	SUSE Linux Enterprise Server				
	Ubuntu				
	Ubuntu (arm64)				

[Release Notes 7.0](#)

Install Zabbix 7.0 in 5 minutes

Zabbix cloud images

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CLOUD VENDOR

ZABBIX VERSION

COMPONENT

DATABASE

WEB SERVER

 AWS

6.4

Zabbix Proxy

SQLite

-

 Azure

6.2

Zabbix Server

 DigitalOcean

6.0

 Google Cloud Platform

5.4

 Red Hat OpenShift

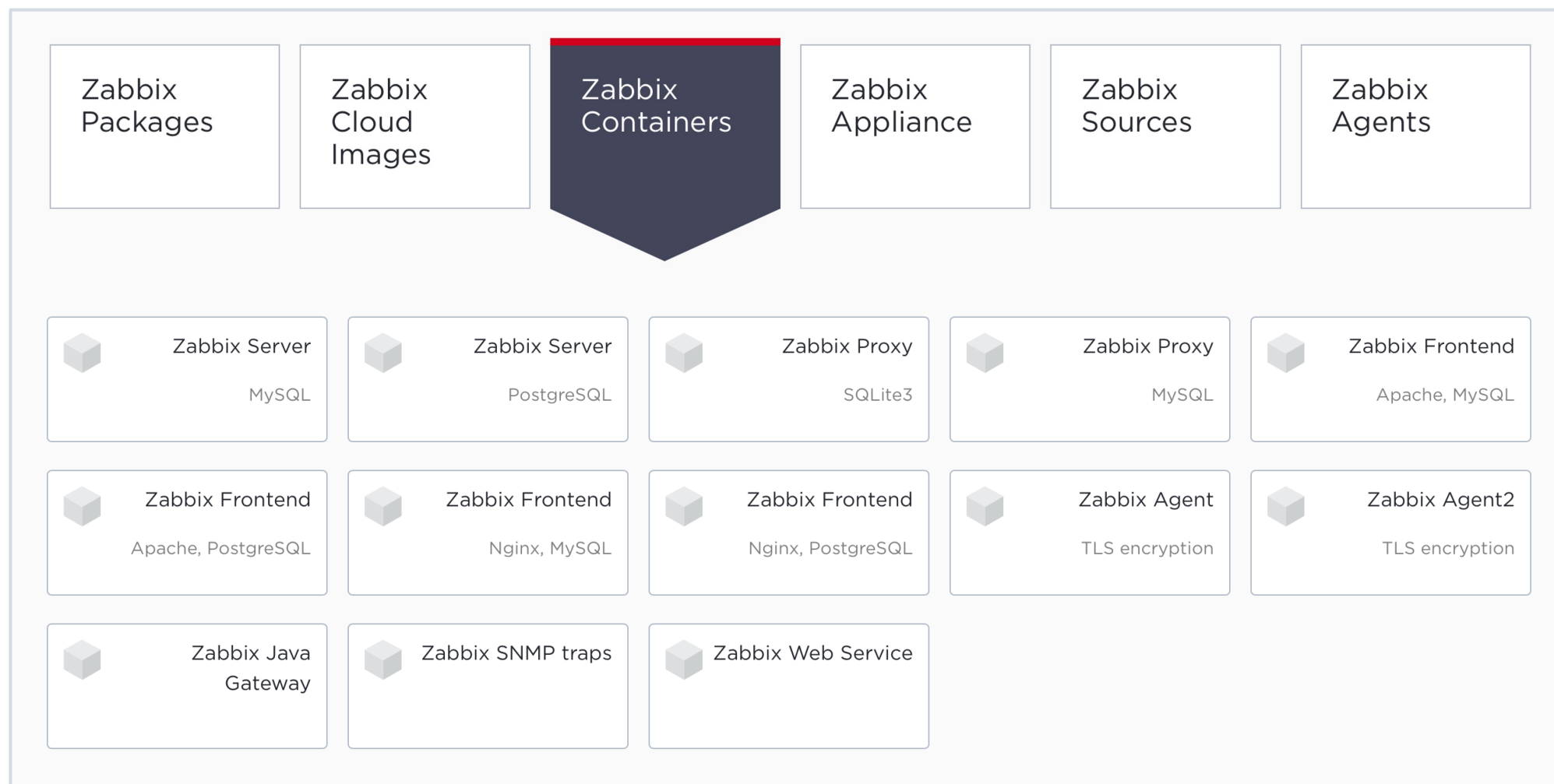
5.0

Proceed to install Zabbix

<https://aws.amazon.com/marketplace/pp/prodview-fboyxmrsydyqu>

Install Zabbix 7.0 in 5 minutes

Zabbix from containers



Install Zabbix 7.0 in 5 minutes

Ready-made solution

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Install Zabbix Appliance

[Zabbix 7.0 LTS](#)

[Zabbix 6.4](#)

[Zabbix 6.0 LTS](#)

[Zabbix 5.0 LTS](#)

[Pre-Release](#)

Version	Release	Date	Platform	Release Notes	Zabbix Manual	Verify	Download
Zabbix 7.0 LTS	7.0.0	Jun 04, 2024	Installation CD/DVD (.iso)			SHA1 SHA256	Download
Zabbix 7.0 LTS	7.0.0	Jun 04, 2024	KVM, QEMU (.qcow2)			SHA1 SHA256	Download
Zabbix 7.0 LTS	7.0.0	Jun 04, 2024	Microsoft Hyper-V 2008			SHA1 SHA256	Download

Install Zabbix 7.0 in 5 minutes

Zabbix installation from sources

Zabbix Packages

Zabbix Cloud Images

Zabbix Containers

Zabbix Appliance

Zabbix Sources

Zabbix Agents

Download sources from Git repository

 Zabbix Git repository

Download ready-to use Zabbix distributives

Zabbix 7.0 LTS

Zabbix 6.4

Zabbix 6.0 LTS

Zabbix 5.0 LTS

Pre-Release

Unsupported Versions

Version	Release	Date	Release Notes	Zabbix Manual	Verify	Download
Zabbix 7.0 LTS Server, Proxy, Agent, GUI	7.0.0	Jun 04, 2024			SHA1 SHA256	Download

Install Zabbix 7.0 in 5 minutes

Zabbix installation and configuration

► <https://www.zabbix.com/download> Preferred way is using the Zabbix repository (except for Windows machines)

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Zabbix agent

☒ Show legacy downloads



OS DISTRIBUTION	OS VERSION	HARDWARE	ZABBIX VERSION	ENCRYPTION	PACKAGING
Windows	Any	amd64	7.0 LTS	OpenSSL	MSI
Linux		i386	6.4	No encryption	Archive
macOS			6.2		
AIX			6.0 LTS		
FreeBSD			5.4		
HPUX			5.2		
NetBSD			5.0 LTS		
OpenBSD			4.4		
SLES			4.2		
Solaris			4.0 LTS		
Tru64			3.0 LTS		

Zabbix Release:

Install Zabbix 7.0 in 5 minutes

Docker

ZABBIX Documentation 7.0 (current) English 

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Zabbix Manual

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Overview

This section describes how to deploy Zabbix with [Docker](#) or [Docker Compose](#).

Zabbix officially provides:

- Separate Docker images for each Zabbix component to run as portable and self-sufficient containers.
- Compose files for defining and running multi-container Zabbix components in Docker.

Attention: Since Zabbix 6.0, deterministic triggers need to be created during the installation. If binary logging is enabled for MySQL/MariaDB, this requires superuser privileges or setting the variable/configuration parameter `log_bin_trust_function_creators = 1`. See [Database creation scripts](#) for instructions how to set the variable. Note that if executing from a console, the variable will only be set temporarily and will be dropped when a Docker is restarted. In this case, keep your SQL service running, only stop zabbix-server service by running 'docker compose down zabbix-server' and then 'docker compose up -d zabbix-server'. Alternatively, you can set this variable in the configuration file.

Source files

Docker file sources are stored in the Zabbix [official repository](#) on GitHub, where you can follow latest file changes or fork the project to make your own images.

Docker

Zabbix provides images based on a variety of OS base images. To get the list of supported base operating system images for a specific Zabbix component, see the component's description in [Docker Hub](#). All Zabbix images are configured to rebuild latest images if base images are updated.

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Environment variables

Examples

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Download and install Zabbix

- ▶ Choose your platform for Zabbix server
- ▶ Install and configure Zabbix server
 - ▶ Install Repository with PostgreSQL database
 - ▶ Install Zabbix server, frontend, web service, agent
 - ▶ Create initial database
 - ▶ Configure the database for Zabbix server
 - ▶ Start Web, Zabbix server and agent processes
- ▶ Configure Zabbix frontend
 - ▶ Connect to your newly installed Zabbix frontend: `http://server_ip_or_name/zabbix`
 - ▶ Follow steps described in Zabbix documentation: Installing frontend
- ▶ Start using Zabbix
 - ▶ See Quickstart guide in Zabbix manual

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Installation process



Install Zabbix 7.0 in 5 minutes

- › `setenforce 0`
- › `dnf install -y https://download.postgresql.org/pub/repos/yum/reporpms/EL-9-x86_64/pgdg-redhat-repo-latest.noarch.rpm`
- › `dnf -qy module disable postgresql`
- › `dnf install -y postgresql16-server`
- › `/usr/pgsql-16/bin/postgresql-16-setup initdb`
- › `systemctl enable postgresql-16 --now`

- › `rpm -Uvh https://repo.zabbix.com/zabbix/7.0/centos/9/x86\_64/zabbix-release-7.0-2.el9.noarch.rpm`
- › `dnf clean all`
- › `dnf install zabbix-server-psql zabbix-web-psql zabbix-apache-conf zabbix-sql-scripts zabbix-agent2 zabbix-web-service`
- › `cd /tmp`
- › `sudo -u postgres createuser --pwprompt zabbix`
- › `sudo -u postgres createdb -O zabbix zabbix`
- › `zcat /usr/share/zabbix-sql-scripts/postgresql/server.sql.gz | sudo -u zabbix psql zabbix`

- › `firewall-cmd --permanent --add-service=http`
- › `firewall-cmd --permanent --add-port=10051/tcp`
- › `firewall-cmd --reload`

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```
› tee /etc/yum.repos.d/timescale_timescaledb.repo <<EOL
› [timescale_timescaledb]
› name=timescale_timescaledb
› baseurl=https://packagecloud.io/timescale/timescaledb/el/$(rpm -E %{rhel})/\$basearch
› repo_gpgcheck=1
› gpgcheck=0
› enabled=1
› gpgkey=https://packagecloud.io/timescale/timescaledb/gpgkey
› sslverify=1
› sslcacert=/etc/pki/tls/certs/ca-bundle.crt
› metadata_expire=300
› EOL

› dnf install timescaledb-2-postgresql-16 timescaledb-2-loader-postgresql-16
› timescaledb-tune --pg-config /usr/pgsql-16/bin --max-conns=100
› systemctl restart postgresql-16.service
› echo "CREATE EXTENSION IF NOT EXISTS timescaledb CASCADE;" | sudo -u postgres psql zabbix
› cat /usr/share/zabbix-sql-scripts/postgresql/timescaledb/schema.sql | sudo -u zabbix psql zabbix
```

Install Zabbix 7.0 in 5 minutes

- nano /etc/zabbix/zabbix_server.conf
- ...
- DBPassword=password
- StartReportWriters=1
- WebServiceURL=http://localhost:10053/report
- ...

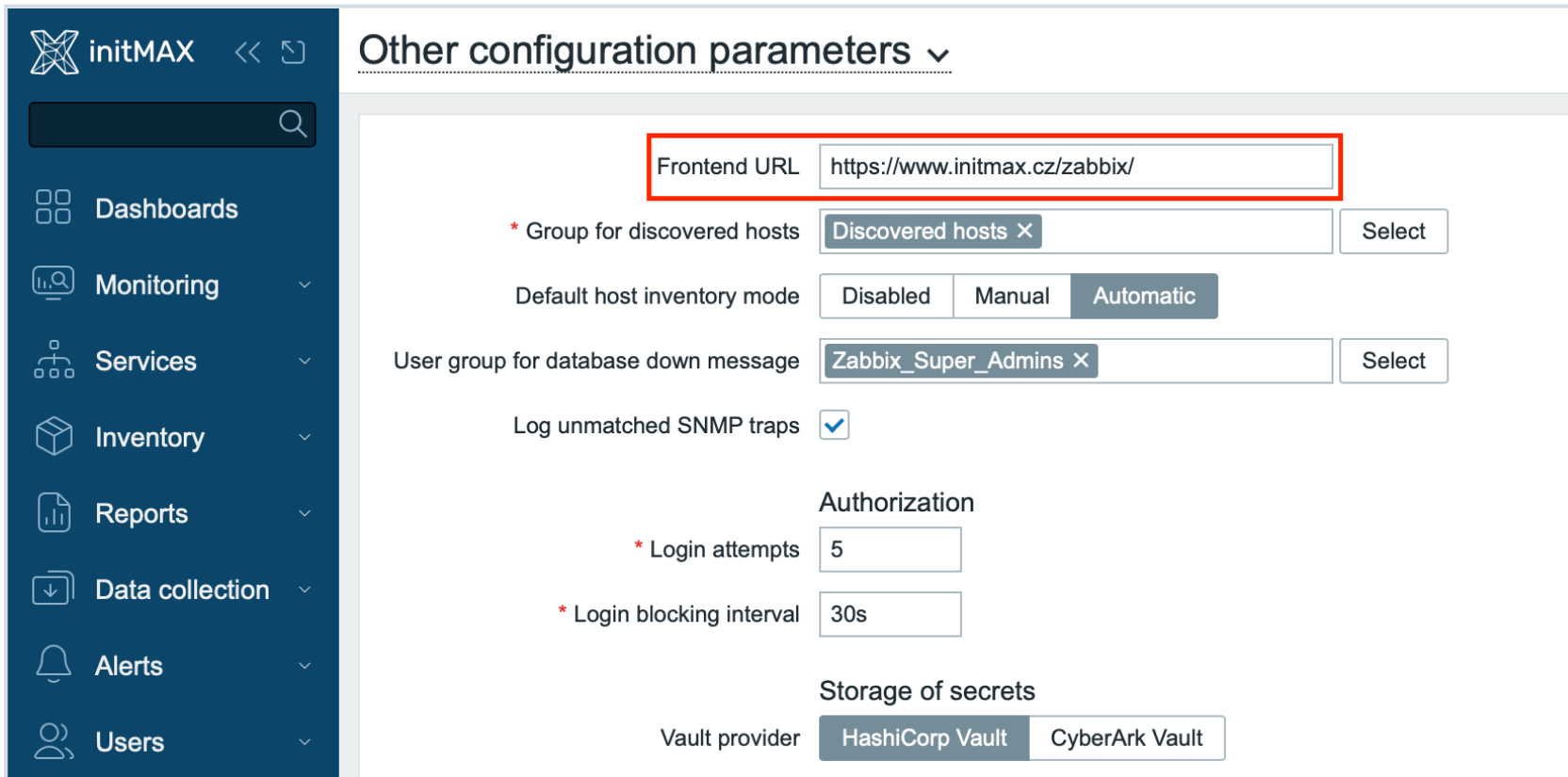
- dnf install glibc-langpack-cs.x86_64 glibc-langpack-sk.x86_64
- systemctl restart zabbix-server zabbix-web-service zabbix-agent httpd php-fpm
- systemctl enable zabbix-server zabbix-web-service zabbix-agent httpd php-fpm
- less /var/log/zabbix/zabbix_server.log

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Frontend settings

- Fill your: Frontend URL in Administration > General > Other

```
wget https://dl.google.com/linux/direct/google-chrome-stable_current_x86_64.rpm  
dnf localinstall google-chrome-stable_current_x86_64.rpm
```



initMAX << 🔍

Other configuration parameters ▾

Frontend URL

* Group for discovered hosts

Default host inventory mode

User group for database down message

Log unmatched SNMP traps ☒

Authorization

* Login attempts

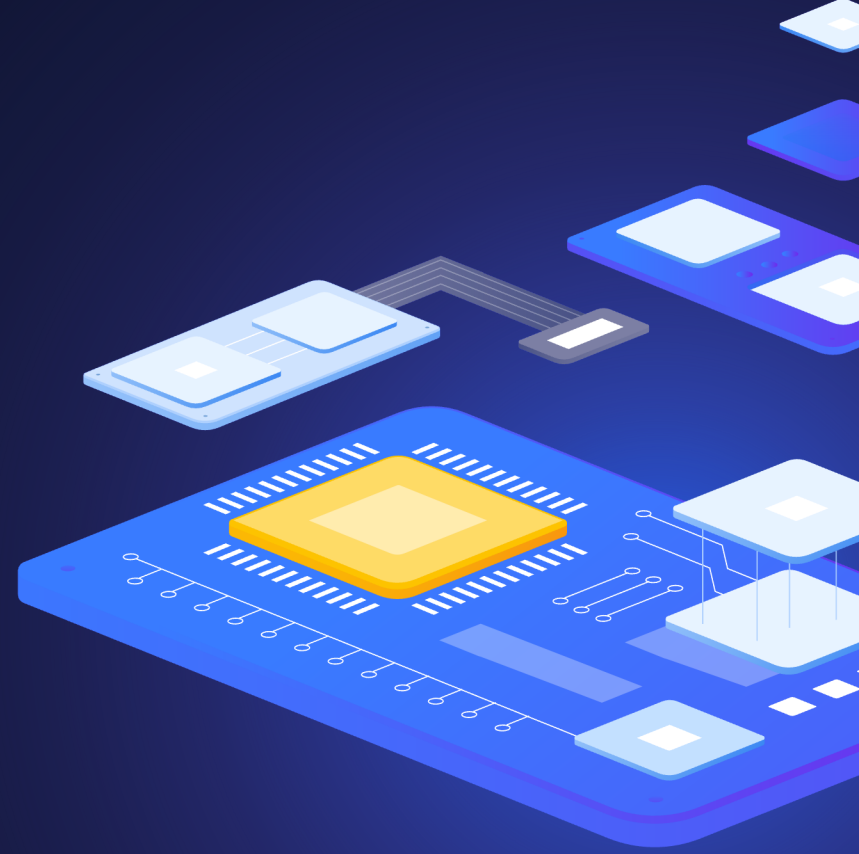
* Login blocking interval

Storage of secrets

Vault provider

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Demonstration



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Demonstration commands

Latest how-to for installing Zabbix 7.0

- › All necessary steps can be found in a separate guide on our wiki.
<https://www.initmax.com/wiki/zabbix-7-0-instructions-for-installation-in-5-minutes/> EN
<https://www.initmax.cz/wiki/zabbix-7-0-instalace-v-5-minutach/> CZ

Support for the New Item Browser

- › All necessary steps can be found in a separate guide on our wiki.
<https://www.initmax.com/wiki/installation-and-basic-usage-of-browser-item/> EN
<https://www.initmax.cz/wiki/instalace-a-zakladni-pouziti-pro-item-browser/> CZ

Installation of Components and Configuration for Reporting

- › All necessary steps can be found in a separate guide on our wiki.
<https://www.initmax.com/wiki/reporting-v-zabbixu-7-0/> EN
<https://www.initmax.cz/wiki/reporting-v-zabbixu-7-0/> CZ

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Helpful links and tips

- › initMAX wiki (Contact us if you are missing some topic)
<https://www.initmax.com/wiki/> EN
- › <https://www.initmax.cz/wiki/> CZ
- › PostgreSQL download page <https://www.postgresql.org/download/>
- › TimescaleDB download page <https://docs.timescale.com/self-hosted/latest/install/>
- › Zabbix minimal requirements <https://www.zabbix.com/documentation/current/en/manual/installation/requirements>
- › What is new in 7.0?
<https://www.initmax.com/new-zabbix-7-0-lts/> EN
<https://www.initmax.cz/novy-zabbix-7-0-lts/> CZ
- › Check minimal and maximal versions
- › Tune DB
- › Use latest versions
- › Use partitioning (recommendation is TimescaleDB)
- › Do post installation checks (Language, Medias, Administration section, connect to LDAP or SAML disable Admin account, use Zabbix Agent 2, HTTPS, use encryption between Zabbix and DB, use separate servers for Zabbix and DB, Selenium,...)
- › Install updates every month, Zabbix makes new monthly release between 20th and 25th day of the month

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Questions



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Contact us:

Phone:



+420 800 244 442

Web:



<https://www.initmax.cz>

Email:



tomas.hermanek@initmax.cz

LinkedIn:



<https://www.linkedin.com/company/initmax>

Twitter:



<https://twitter.com/initmax>

Tomáš Heřmánek:



+420 732 447 184