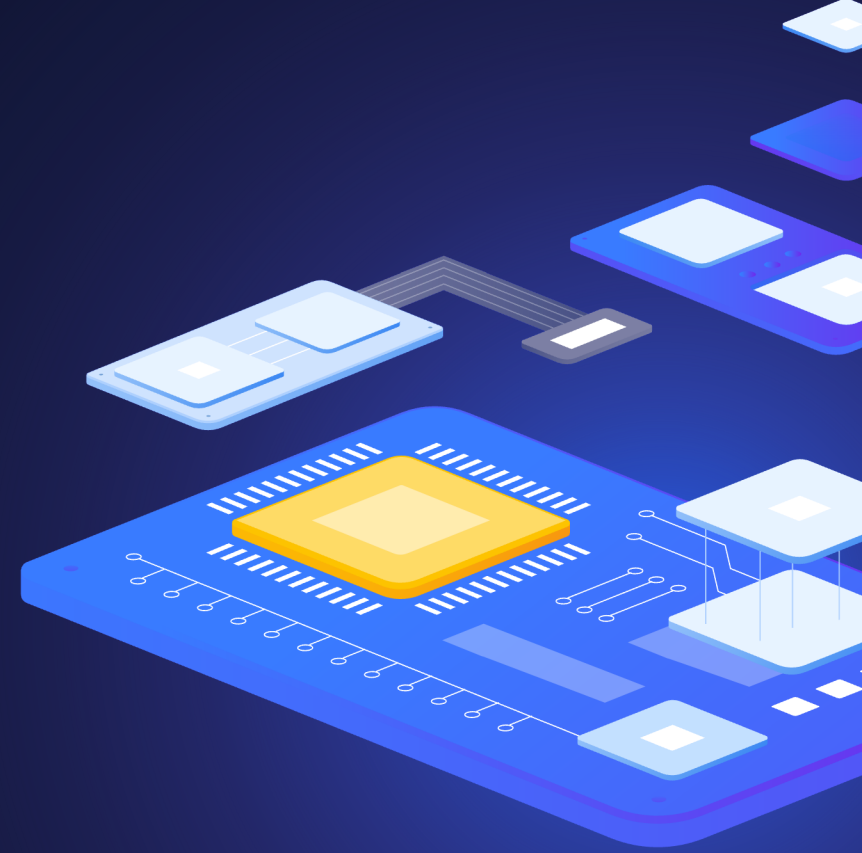**initMAX**

Webinar

Install zabbix 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

1

Installation options

Zabbix installation and configuration

› https://www.zabbix.com/download

Zabbix Packages	Zabbix Cloud Images	Zabbix Containers	Zabbix Appliance	Zabbix Sources	Zabbix Agents

Zabbix installation and configuration

ZABBIX VERSION	OS DISTRIBUTION	OS VERSION	ZABBIX COMPONENT	DATABASE ❓	WEB SERVER
6.4	Alma Linux	9 Stream	Server, Frontend, Agent	MySQL	Apache
6.0 LTS	CentOS	8 Stream	Proxy	PostgreSQL	Nginx
5.0 LTS	Debian	7	Agent		
4.0 LTS	Debian (arm64)	6	Agent 2		
7.0 PRE-RELEASE	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

Zabbix cloud images

Zabbix Packages	Zabbix Cloud Images	Zabbix Containers	Zabbix Appliance	Zabbix Sources	Zabbix Agents

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-fboyxmrssydqu

Zabbix from containers

Zabbix Packages	Zabbix Cloud Images	**Zabbix Containers**	Zabbix Appliance	Zabbix Sources	Zabbix Agents

Zabbix Server MySQL	Zabbix Server PostgreSQL	Zabbix Proxy SQLite3	Zabbix Proxy MySQL	Zabbix Frontend Apache, MySQL
Zabbix Frontend Apache, PostgreSQL	Zabbix Frontend Nginx, MySQL	Zabbix Frontend Nginx, PostgreSQL	Zabbix Agent TLS encryption	Zabbix Java Gateway
Zabbix SNMP traps	Zabbix Web Service			

initMAX
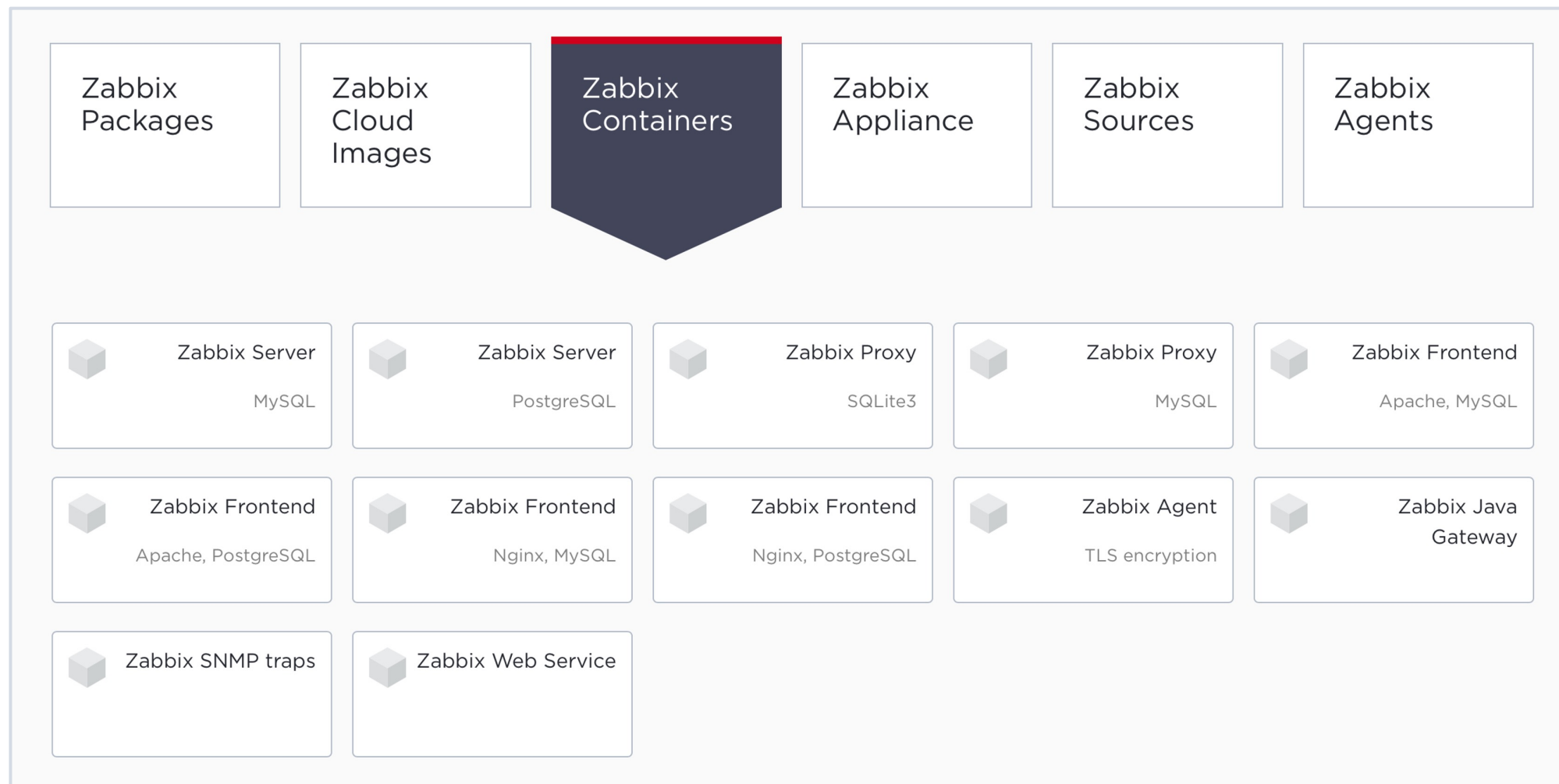
Ready-made solution

Zabbix Packages	Zabbix Cloud Images	Zabbix Containers	Zabbix Appliance	Zabbix Sources	Zabbix Agents

Install Zabbix Appliance

Zabbix 6.4   Zabbix 6.0 LTS   Zabbix 5.0 LTS   **Pre-Release**

Version	Release	Date	Release Notes	Zabbix Manual	Download
Zabbix 7.0	7.0.0beta1	Jan 30, 2024	📄	📄	Download

The latest version of Appliance is based on Alma Linux 8 with MySQL back-end. Zabbix software is pre-installed and pre-configured for trouble free deployment. You can use this Appliance to evaluate Zabbix. The Appliance is not intended for serious production use.

Zabbix installation and configuration

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

| Zabbix Packages | Zabbix Cloud Images | Zabbix Containers | Zabbix Appliance | Zabbix Sources | Zabbix Agents |

Zabbix agent

☑ Show legacy downloads

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

Zabbix Release: 6.4.12

INSTALL ZABBIX IN 5 MINUTES

Docker

ZABBIX Documentation [7.0 (devel) ▾] [English ▾] ⬇

You are viewing documentation for the development version, it may be incomplete.
Join our translation project and help translate Zabbix documentation into your native language.

5 Installation from containers

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.

Installation

To get Zabbix component image, run:

```
docker pull zabbix/zabbix-server-mysql
```

Replace zabbix/zabbix-server-mysql with the name of the required docker repository.

initMAX

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

2

Installation process

INSTALL ZABBIX 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/6.5/centos/9/x86_64/zabbix-release-6.5-2.el9.noarch.rpm
❯  dnf clean all
❯  dnf install zabbix-server-pgsql zabbix-web-pgsql zabbix-apache-conf zabbix-sql-scripts zabbix-agent
   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
```

INSTALL ZABBIX IN 5 MINUTES

```
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=125
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
```

```
❯ 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
```
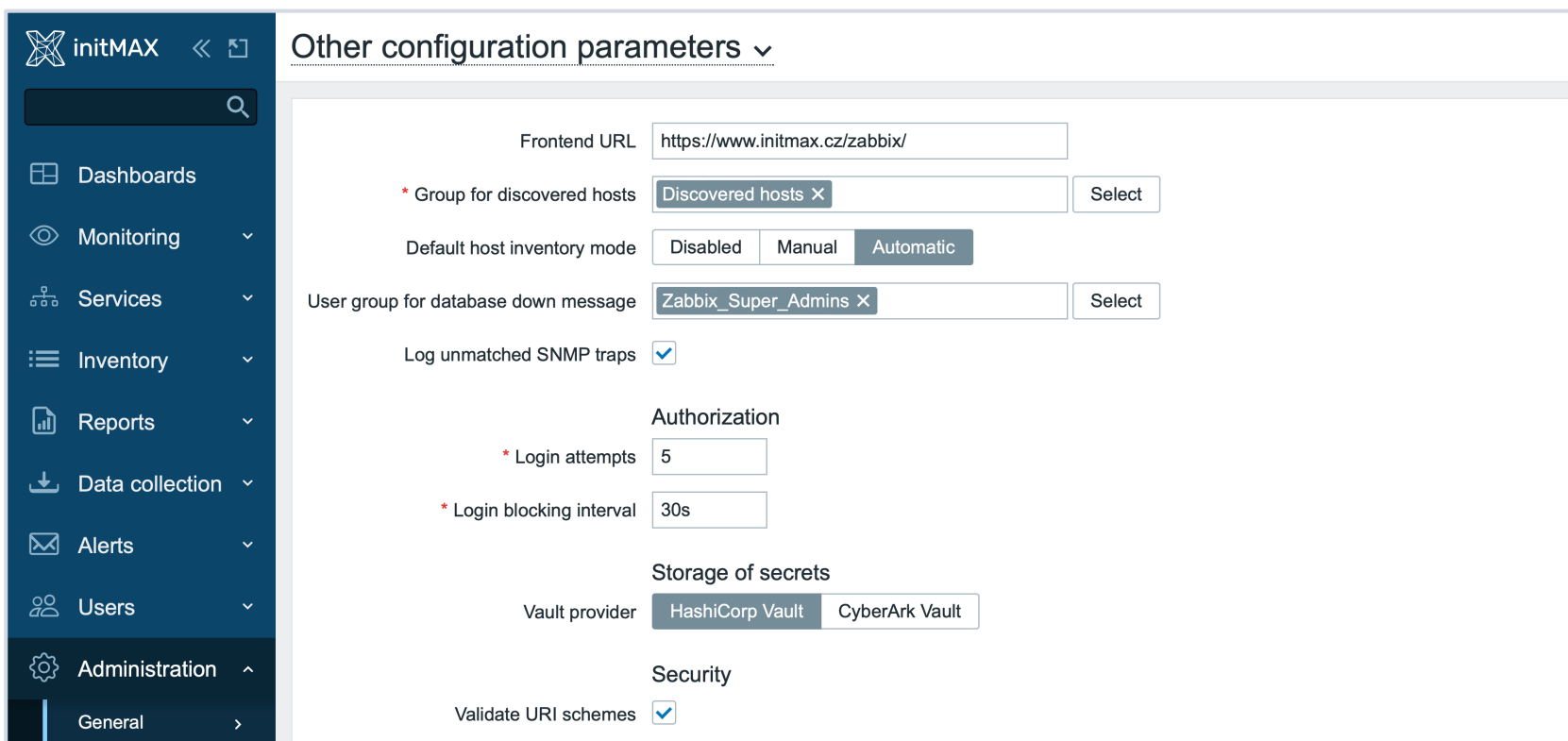
INSTALL ZABBIX IN 5 MINUTES

Frontend settings

› Fill your: Frontend URL

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

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Demonstration

Helpful links and tips

› initMAX wiki (Contact us if you are missing some topic)
https://www.initmax.cz/wiki/ (Czech)
https://www.initmax.com/wiki/ (English)

› 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/devel/en/manual/installation/requirements

› What is new in 7.0?
https://www.initmax.cz/novy-zabbix-7-0-lts/ (Czech)
https://www.initmax.com/new-zabbix-7-0-lts/ (English)

› Check minimal and maximal versions

› Tune DB first

› Use latest versions

› Use partitioning

› 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,…)

› Install updates every month, Zabbix makes new monthly release between 20th and 25th day of the month

4

Questions
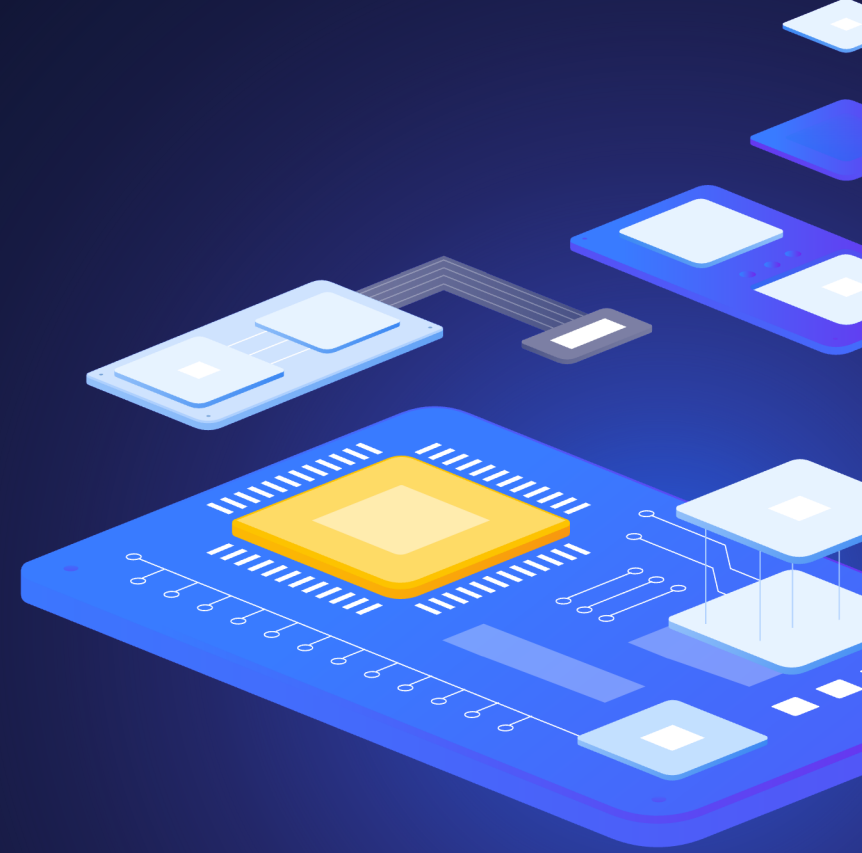
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