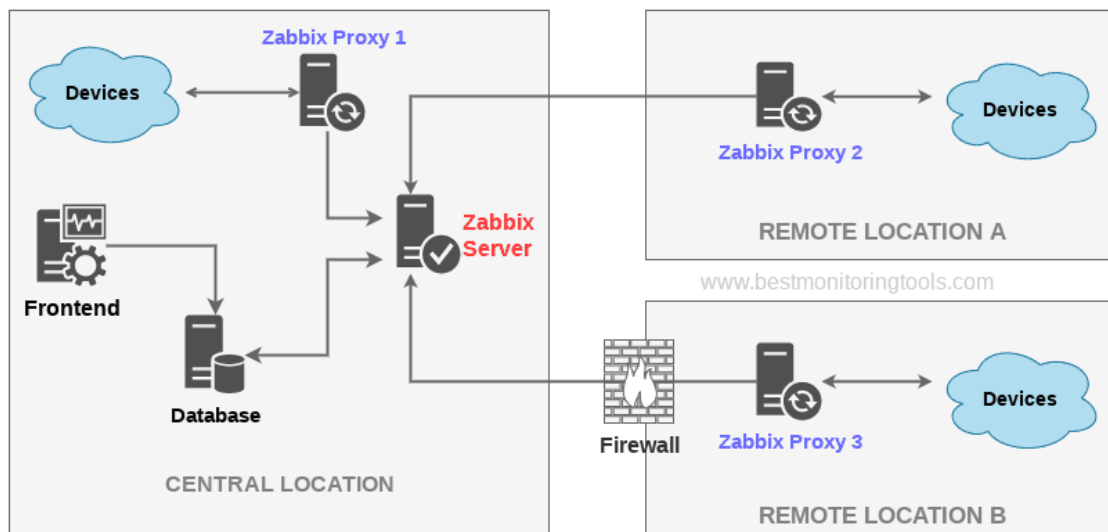


Zabbix



Versão 1.0

HISTÓRICO DE VERSÕES

<i>Version</i>	<i>Date</i>	<i>Version Author</i>	<i>Version Changes</i>
1.0	14/07/2022	Pedro Akira Danno Lima	Original Zabbix document.

RESUMO DO DOCUMENTO

<i>Description:</i>	This document describes the Zabbix installation and configuration processes.
<i>Place of Publication:</i>	
<i>Version Validity::</i>	14/07/2022
<i>Based on the Version 1.0 Publishing Model</i>	

Sumário

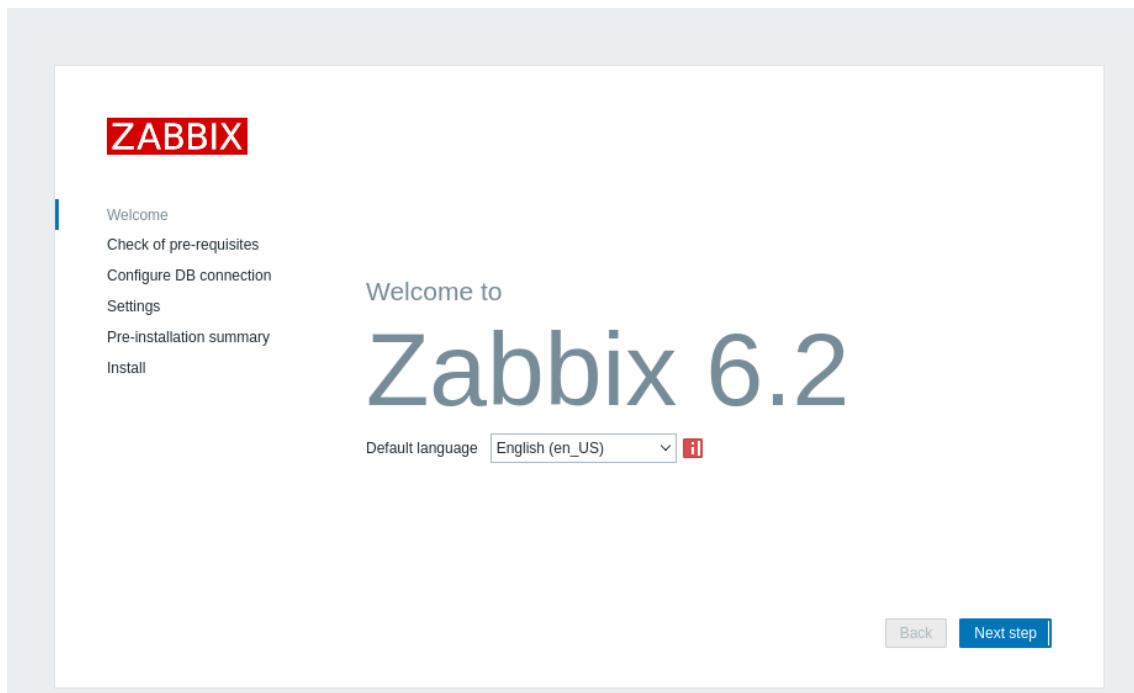
Configurações Gerais:	Error! Bookmark not defined.
Configurações do Banco de Dados:	Error! Bookmark not defined.
Configurações de Oracle Linux/VM:	Error! Bookmark not defined.
Criação da conta Oracle	Error! Bookmark not defined.

Configure the zabbix web after install following README.md steps

Step 1 – open browser and put:

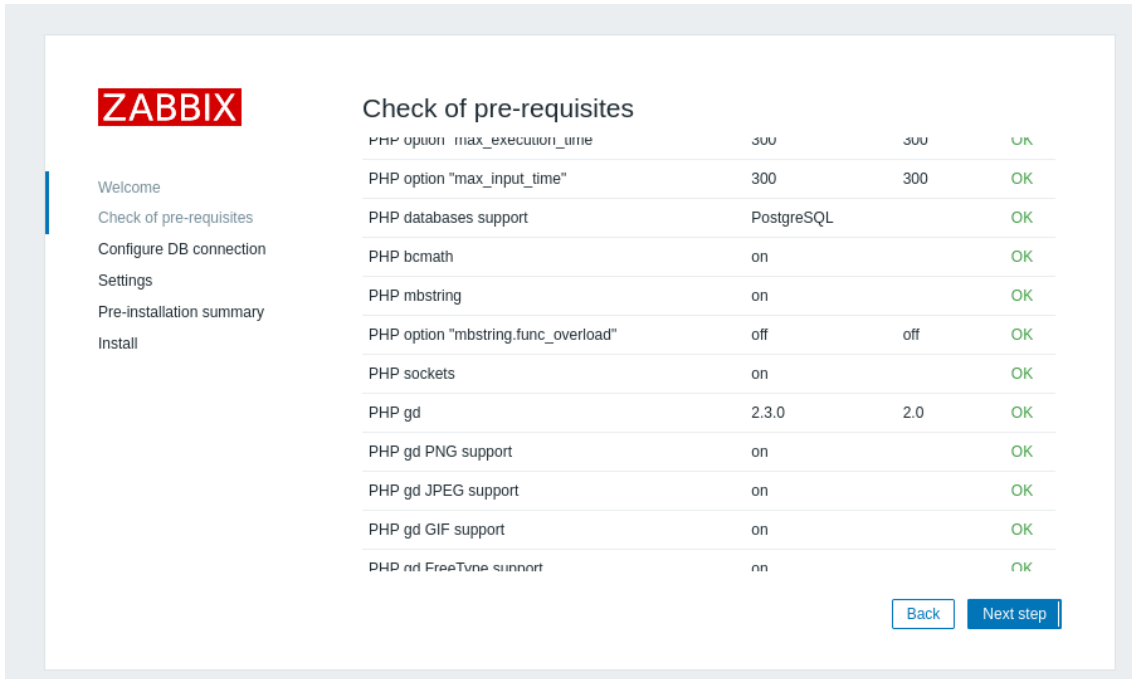
`http://localhost/zabbix`

Step 2 – click in **next step**



Zabbix

Step 2 – click in **next step**

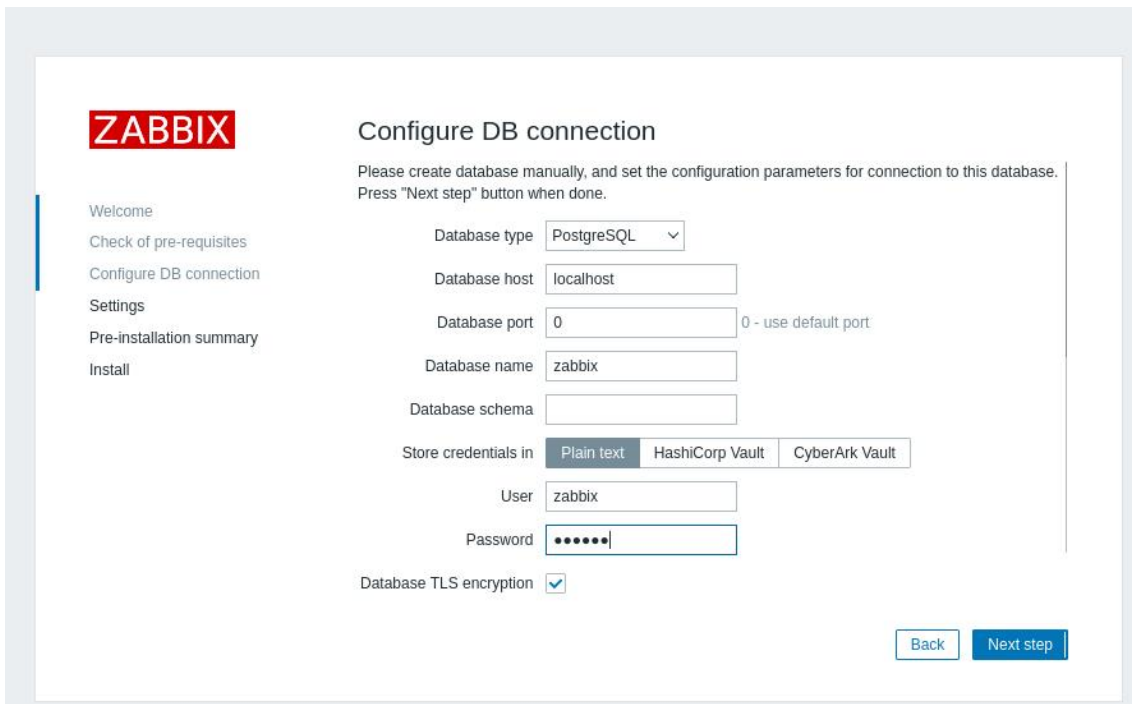


The screenshot shows the Zabbix installation pre-requisites check screen. On the left is a sidebar with navigation links: Welcome, Check of pre-requisites (active), Configure DB connection, Settings, Pre-installation summary, and Install. The main area is titled 'Check of pre-requisites' and contains a table of system checks. At the bottom right are 'Back' and 'Next step' buttons.

PHP option	max_execution_time	300	300	OK
PHP option "max_input_time"	300	300		OK
PHP databases support	PostgreSQL			OK
PHP bcmath	on			OK
PHP mbstring	on			OK
PHP option "mbstring.func_overload"	off	off		OK
PHP sockets	on			OK
PHP gd	2.3.0	2.0		OK
PHP gd PNG support	on			OK
PHP gd JPEG support	on			OK
PHP gd GIF support	on			OK
PHP gd FreeType support	on			OK

Step 3 – Configure DB connection-> **Next step**

Put password: Zabbix



The screenshot shows the 'Configure DB connection' screen in Zabbix. The sidebar on the left has 'Configure DB connection' as the active item. The main area contains instructions to create a database manually and set configuration parameters. Fields include Database type (PostgreSQL), Database host (localhost), Database port (0 - use default port), Database name (zabbix), Database schema, Store credentials in (Plain text), User (zabbix), Password (masked with dots), and Database TLS encryption (checked). 'Back' and 'Next step' buttons are at the bottom right.

Please create database manually, and set the configuration parameters for connection to this database. Press "Next step" button when done.

Database type: PostgreSQL

Database host: localhost

Database port: 0 - use default port

Database name: zabbix

Database schema:

Store credentials in: Plain text | HashiCorp Vault | CyberArk Vault

User: zabbix

Password:

Database TLS encryption: ☒



Step 4 –Next step

ZABBIX

[Welcome](#)
[Check of pre-requisites](#)
[Configure DB connection](#)
[Settings](#)
[Pre-installation summary](#)
[Install](#)

Settings

Zabbix server name

Default time zone

Default theme

[Back](#) [Next step](#)

Step 5 –Next step

ZABBIX

[Welcome](#)
[Check of pre-requisites](#)
[Configure DB connection](#)
[Settings](#)
[Pre-installation summary](#)
[Install](#)

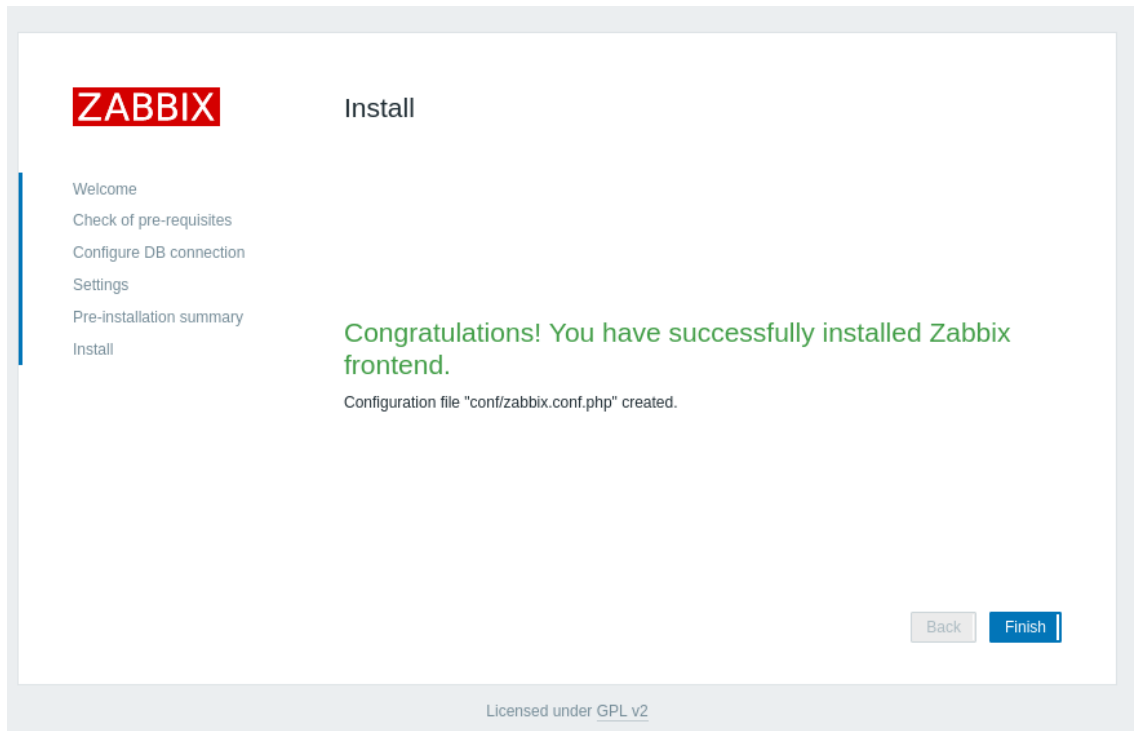
Pre-installation summary

Please check configuration parameters. If all is correct, press "Next step" button, or "Back" button to change configuration parameters.

Database type	PostgreSQL
Database server	localhost
Database port	default
Database name	zabbix
Database user	zabbix
Database password	*****
Database schema	
Database TLS encryption	true

[Back](#) [Next step](#)

Step 6 – Finish

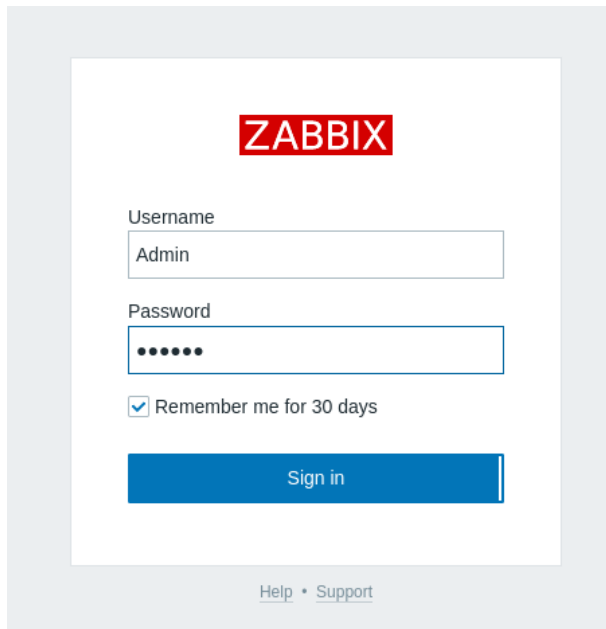


Zabbix

LOGIN

Username: Admin

Password: zabbix



The login form is centered on a light gray background. It features the ZABBIX logo in a red box at the top. Below the logo are two input fields: 'Username' with 'Admin' entered and 'Password' with masked characters. A checkbox labeled 'Remember me for 30 days' is checked. A blue 'Sign in' button is at the bottom. At the very bottom, there are links for 'Help' and 'Support'.

ZABBIX

Username
Admin

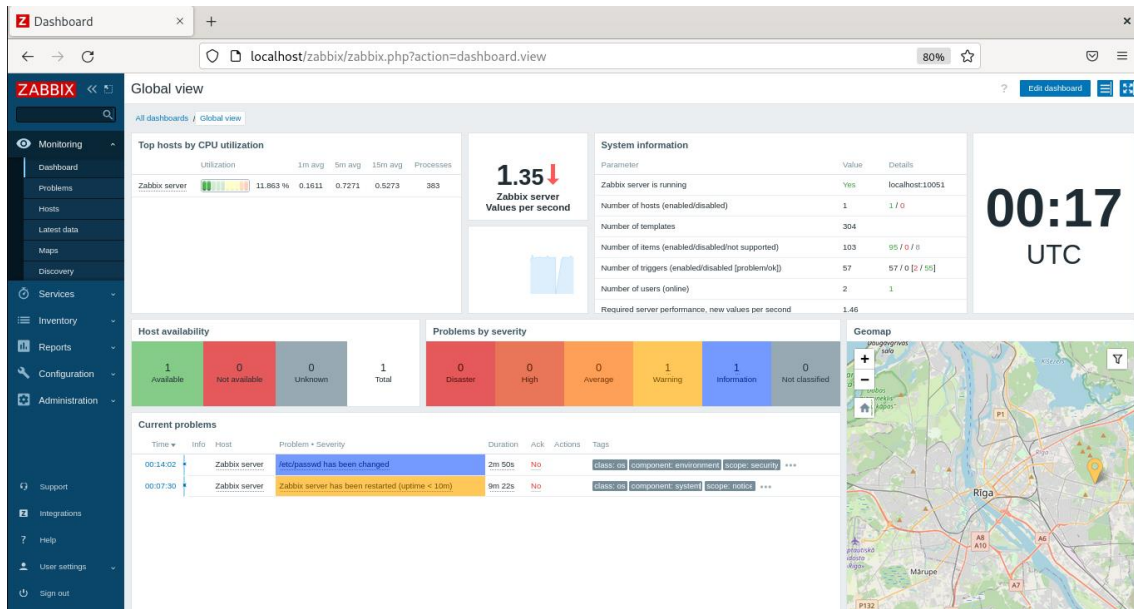
Password
•••••

☒ Remember me for 30 days

Sign in

[Help](#) • [Support](#)

Default page



The screenshot shows the Zabbix dashboard in a web browser. The left sidebar contains navigation links for Monitoring, Problems, Hosts, Latest data, Maps, Discovery, Services, Inventory, Reports, Configuration, Administration, Support, Integrations, Help, User settings, and Sign out. The main content area is titled 'Global view' and includes several widgets: 'Top hosts by CPU utilization' showing a bar chart for 'Zabbix server' at 11.863%; 'System information' table; 'Host availability' status bar; 'Problems by severity' status bar; 'Current problems' table; and a 'Geomap' of Riga. A large clock shows 00:17 UTC.

Global view

All dashboards / Global view

Top hosts by CPU utilization

Host	Utilization	1m avg	5m avg	15m avg	Processes
Zabbix server	11.863 %	0.1611	0.7271	0.5273	383

System information

Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (enabled/disabled)	1	1 / 0
Number of templates	304	
Number of items (enabled/disabled/not supported)	103	95 / 0 / 8
Number of triggers (enabled/disabled [problem/ok])	57	57 / 0 [2 / 55]
Number of users (online)	2	1
Required server performance, new values per second	1.46	

Host availability

Available	Not available	Unknown	Total
1	0	0	1

Problems by severity

Disaster	High	Average	Warning	Information	Not classified
0	0	0	1	1	0

Current problems

Time	Info	Host	Problem / Severity	Duration	Ack	Actions	Tags
00:14:02		Zabbix server	rec/pasword has been changed	2m 50s	No		class: os component: environment scope: security ***
00:07:30		Zabbix server	Zabbix server has been restarted (uptime < 10m)	9m 22s	No		class: os component: system scope: notice ***

Geomap

Riga

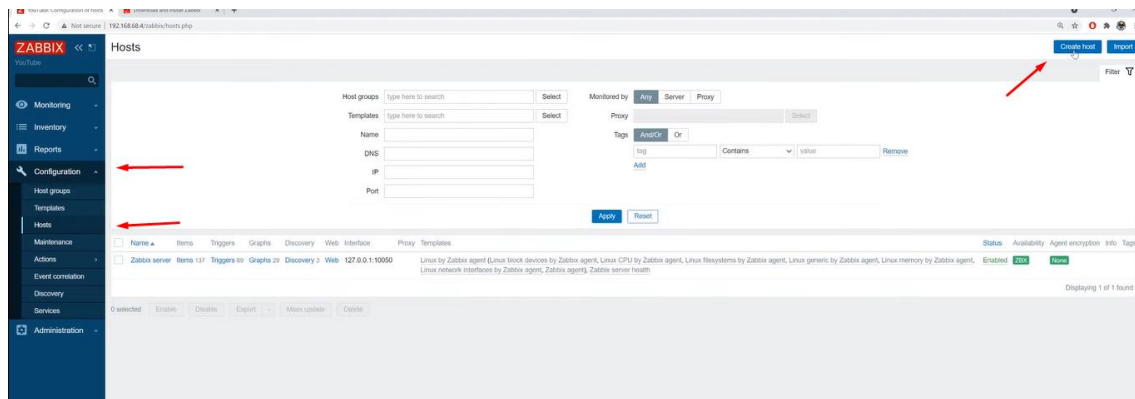
PostgreSQL Monitoring With ZABBIX

Step 1 –

Click in **configuration**

Click in **hosts**

Click in **create host**



Step 2 –

In **host name** put: PostgreSQL Monitoring

Group: Linux servers

Interface: click in **add** and **agent**

The screenshot shows the Zabbix 'Hosts' configuration page. The 'Host' tab is selected. The form contains the following fields and controls:

- * Host name:** PostgreSQL Monitoring
- Visible name:** PostgreSQL Monitoring
- * Groups:** Linux servers (selected from a dropdown menu)
- Interfaces:** A table with columns: Type, IP address, DNS name, Connect to, Port, and Default.

Type	IP address	DNS name	Connect to	Port	Default
Agent	127.0.0.1		IP	10050	<input checked="" type="radio"/> Remove
- Add:** A blue button to add a new interface.
- Description:** A text area for the host description.
- Monitored by proxy:** (no proxy) (dropdown menu)
- Enabled:** ☒
- Add:** A blue button to save the host configuration.
- Cancel:** A button to cancel the configuration.

Step 3 –

In **Template** put: PostgreSQL by Zabbix agent

Click in Add/Update

Host

Host IPMI Tags Macros 1 Inventory Encryption Value mapping

* Host name PostgreSQLMonit

Visible name PostgreSQLMonit

Templates

Name	Action
PostgreSQL by Zabbix agent	Unlink Unlink and clear

type here to search Select

* Host groups Databases X Linux servers X

type here to search Select

Interfaces

Type	IP address	DNS name	Connect to	Port	Default
Agent	127.0.0.1		IP DNS	10050	<input checked="" type="radio"/> Remove

Add

Description

Monitored by proxy (no proxy)

Enabled ☒

Update Clone Full clone Delete Cancel

Step 4 –

Click in **macros**In `{$PG.PASSWORD}` put: **zabbix**

Host

Host IPMI Tags **Macros 1** Inventory Encryption Value mapping

<code>{\$PG.DEADLOCKS.MAX.WARN}</code>	0	T	Change	PostgreSQL by Zabbix agent: "0"
description				
<code>{\$PG.FROZENXID_PCT_STOP.MIN.HIGH}</code>	75	T	Change	PostgreSQL by Zabbix agent: "75"
description				
<code>{\$PG.HOST}</code>	127.0.0.1	T	Change	PostgreSQL by Zabbix agent: "127.0.0.1"
description				
<code>{\$PG.LLD.FILTER.DBNAME}</code>	(.)	T	Change	PostgreSQL by Zabbix agent: "(.)"
description				
<code>{\$PG.LOCKS.MAX.WARN}</code>	100	T	Change	PostgreSQL by Zabbix agent: "100"
description				
<code>{\$PG.PASSWORD}</code>	zabbix	T	Remove	PostgreSQL by Zabbix agent: ""
Please set user's password in this macro.				
<code>{\$PG.PING_TIME.MAX.WARN}</code>	1s	T	Change	PostgreSQL by Zabbix agent: "1s"
description				
<code>{\$PG.PORT}</code>	5432	T	Change	PostgreSQL by Zabbix agent: "5432"
description				

Update Clone Full clone Delete Cancel

Click in add or update

Zabbix

Now your Zabbix are monitoring your PostgreSQL

The screenshot displays the Zabbix web interface for configuring hosts. The left sidebar contains navigation links: Monitoring, Problems, Hosts, Latest data, Maps, Discovery, Services, Inventory, Reports, Configuration, and Administration. The main content area is titled 'Hosts' and features a configuration form. The form includes fields for Name, Host groups (with a search dropdown), IP, DNS, Port, Status (Active, Enabled, Disabled), Tags (with a search dropdown), and Severity (not classified, Warning, High, Information, Average, Disaster). There are also checkboxes for 'Show hosts in maintenance' and 'Show suppressed problems'. Below the form is a table listing hosts, including PostgreSQL and Zabbix server, with columns for Name, Interface, Availability, Tags, Status, Latest data, Problems, Graphs, Dashboards, and Web.

Name	Interface	Availability	Tags	Status	Latest data	Problems	Graphs	Dashboards	Web
PostgreSQLMonit	127.0.0.1:10050	200	class: database target: postgresql	Enabled	Latest data 250	Problems	Graphs 64	Dashboards 2	Web
Zabbix server	127.0.0.1:10050	200	class: os class: software target: linux ***	Enabled	Latest data 351	Problems	Graphs 32	Dashboards 4	Web

DATASHEET

Elaboration

Pedro Akira Danno Lima

Collaboration

Guilherme Augusto di Stefano

Version Revision

Guilherme Augusto di Stefano

Version 1.0

July / 2022