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## Installation et configuration de Zabbix

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20 octobre 2019

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## Table des matières

1	Installation .....	3
1.1	Prérequis .....	3
1.2	Apache .....	4
1.3	MySQL .....	5
1.4	Zabbix .....	7
2	Configuration .....	8
2.1	MySQL .....	8
2.2	Zabbix .....	11
3	Console d'administration .....	18
4	Installation de l'agent Zabbix sur Linux.....	21
5	Configuration de l'agent Zabbix.....	22
6	Activation et démarrage de l'agent Zabbix.....	24
7	Ajouter un client au Serveur Zabbix.....	25
8	Dépannage .....	29

# 1 Installation

## 1.1 Prérequis

### 1) Serveur Linux

Vous devez disposer d'un serveur Linux CentOS version 7 avec toutes les mises à jour installées.

<http://mirror.iweb.com/>

### 2) Vérifier la connectivité réseau (nslookup est inclut dans le paquetage bind-utils)

Vérifier que votre accès à internet est fonctionnel :

```
[root@localhost ~]# nslookup www.google.com
Server:      192.168.241.2
Address: 192.168.241.2#53
Non-authoritative answer:
Name:   www.google.com
Address: 172.217.2.100
```

### 3) Faire les mises à jour :

```
[root@localhost ~]# yum update -y
```

### 4) Arrêter et désactiver le pare-feu

```
[root@localhost ~]# systemctl disable firewalld
```

### 5) Désactiver SeLinux

```
[root@localhost ~]# vi /etc/selinux/config
# This file controls the state of SELinux on the system.
# SELINUX= can take one of these three values:
#     enforcing - SELinux security policy is enforced.
#     permissive - SELinux prints warnings instead of enforcing.
#     disabled - No SELinux policy is loaded.
SELINUX=disabled
# SELINUXTYPE= can take one of three two values:
#     targeted - Targeted processes are protected,
#     minimum - Modification of targeted policy. Only
selected processes are protected.
#     mls - Multi Level Security protection.
SELINUXTYPE=targeted
```

## 6) Rebooter

```
[root@localhost ~]# reboot
```

## 1.2 Apache

### 1) Installer Apache

```
[root@localhost ~]# yum install httpd
```

### 2) Configurer Apache pour démarrer automatiquement

```
[root@localhost ~]# systemctl enable httpd
```

### 3) Démarrer Apache

```
[root@localhost ~]# systemctl start httpd
```

### 4) Vérifier le statut du service Apache

```
[root@localhost ~]# systemctl status httpd

• httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service;
  enabled; vendor preset: disabled)
  Active: active (running) since Sun 2019-10-20 11:03:18
  EST; 1min 10s ago
    Docs: man:httpd(8)
          man:apachectl(8)
  Main PID: 10294 (httpd)
    Status: "Total requests: 0; Current requests/sec: 0;
  Current traffic: 0 B/sec"
    CGroup: /system.slice/httpd.service
            └─10294 /usr/sbin/httpd -DFOREGROUND
            └─10296 /usr/sbin/httpd -DFOREGROUND
            └─10297 /usr/sbin/httpd -DFOREGROUND
            └─10298 /usr/sbin/httpd -DFOREGROUND
            └─10299 /usr/sbin/httpd -DFOREGROUND
            └─10300 /usr/sbin/httpd -DFOREGROUND
```

## 1.3 MySQL

### 1) Installer MySQL

```
[root@localhost ~]# yum install mariadb-server
```

### 2) Configurer MySQL pour démarrer automatiquement

```
[root@localhost ~]# systemctl enable mariadb
```

### 3) Démarrer MySQL

```
[root@localhost ~]# systemctl start mariadb
```

### 4) Vérifier le statut de MySQL

```
[root@localhost ~]# systemctl status mariadb
● mariadb.service - MariaDB database server
   Loaded: loaded (/usr/lib/systemd/system/mariadb.service;
   enabled; vendor preset: disabled)
   Active: active (running) since Sun 2019-10-20 13:41:30
   EST; 1min 43s ago
     Process: 2133 ExecStartPost=/usr/libexec/mariadb-wait-
   ready $MAINPID (code=exited, status=0/SUCCESS)
     Process: 1077 ExecStartPre=/usr/libexec/mariadb-prepare-
   db-dir %n (code=exited, status=0/SUCCESS)
    Main PID: 2132 (mysqld_safe)
      CGroup: /system.slice/mariadb.service
              └─2132 /bin/sh /usr/bin/mysqld_safe --
   basedir=/usr
                  └─2322 /usr/libexec/mysqld --basedir=/usr --
   datadir=/var/lib/mysql...
```

## 5) Test de connexion à MySQL

```
[root@localhost ~]# mysql -uroot
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 2
Server version: 5.5.64-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and
others.

Type 'help;' or '\h' for help. Type '\c' to clear the
current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database                |
+-----+
| information_schema      |
| mysql                   |
| performance_schema      |
| test                    |
+-----+
4 rows in set (0.00 sec)
MariaDB [(none)]> exit
Bye
```

## 1.4 Zabbix

- 1) Rechercher la dernière version de Zabbix sur <http://repo.zabbix.com/zabbix/>
- 2) Installer Zabbix version 4.4 (version disponible lors de la rédaction de ce document)

```
[root@localhost ~]# rpm -ivh
http://repo.zabbix.com/zabbix/4.4/rhel/7/x86_64/zabbix-
release-4.4-1.el7.noarch.rpm

Retrieving
http://repo.zabbix.com/zabbix/4.4/rhel/7/x86_64/zabbix-release-
4.4-1.el7.noarch.rpm
warning: /var/tmp/rpm-tmp.8jGisD: Header V4 RSA/SHA512 Signature,
key ID a14fe591: NOKEY
Preparing...
##### [100%]
Updating / installing...
1:zabbix-release-4.4-1.el7 ##### [100%]
```

- 3) Installer le module MySQL pour Zabbix

```
[root@localhost ~]# yum install zabbix-server-mysql
```

- 4) Installer le module Web MySQL pour Zabbix

```
[root@localhost ~]# yum install zabbix-web-mysql
```

- 5) Configurer Zabbix pour démarrer automatiquement

```
[root@localhost ~]# systemctl enable zabbix-server
```

- 6) Démarrer Zabbix

```
[root@localhost ~]# systemctl start zabbix-server
```

## 2 Configuration

### 2.1 MySQL

- 1) Se connecter à la base de données MySQL.

```
[root@localhost ~]# mysql -uroot
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 5
Server version: 5.5.64-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the
current input statement.

MariaDB [(none)]>
```

- 2) Créer une base de données nommée zabbix.

```
MariaDB [(none)]> create database zabbix;
Query OK, 1 row affected (0.00 sec)
```

- 3) Créer un utilisateur nommé **zabbix** (mot de passe **zabbix**) et lui accorder les permissions sur la base de données **zabbix**.

```
MariaDB [(none)]> grant all privileges on zabbix.* to  
'zabbix'@'localhost' identified by 'zabbix';  
Query OK, 0 rows affected (0.01 sec)

MariaDB [(none)]> flush privileges;  
Query OK, 0 rows affected (0.00 sec)
MariaDB [(none)]> exit
Bye
```

- 4) Faire un test avec l'utilisateur Zabbix

```
[root@localhost ~]# mysql -uzabbix -pzabbix
MariaDB [(none)]> exit
Bye
```



- 5) Aller dans le répertoire qui contient le script de création des tables MySQL :

```
[root@localhost ~]# cd /usr/share/doc/zabbix-server-mysql-4.4.0/
```

```
[root@localhost zabbix-server-mysql-4.4.0]# ll
total 2448
-rw-r--r-- 1 root root      98 Sep 27 02:32 AUTHORS
-rw-r--r-- 1 root root 1040914 Oct  7 04:29 ChangeLog
-rw-r--r-- 1 root root   17990 Sep 27 02:32 COPYING
-rw-r--r-- 1 root root 1427560 Oct  7 07:25 create.sql.gz
-rw-r--r-- 1 root root     52 Sep 27 02:32 NEWS
-rw-r--r-- 1 root root   1317 Oct  3 09:00 README
```

- 6) Créer les tables dans la base de données zabbix en exécutant le script create.sql.gz.

```
[root@localhost zabbix-server-mysql-4.4.0]# zcat
create.sql.gz | mysql -uroot zabbix
```

- 7) Vérifier que les tables ont bien été créées dans la base de données zabbix

```
[root@localhost ~]# mysql -uroot
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 332
Server version: 5.5.64-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```
MariaDB [(none)]> use zabbix;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
MariaDB [zabbix]>
```

```

MariaDB [zabbix]> show tables;
+-----+
| Tables_in_zabbix          |
+-----+
| acknowledges              |
| actions                    |
| alerts                     |
| ...                         |
| valuemaps                  |
| widget                     |
| widget_field               |
+-----+
149 rows in set (0.00 sec)

MariaDB [zabbix]> exit

```

8) Mettre le mot de passe dans le fichier de configuration de Zabbix :

```
[root@localhost ~]# vi /etc/zabbix/zabbix_server.conf
```

```

### Option: DBUser
#       Database user. Ignored for SQLite.
#
# Mandatory: no
# Default:
# DBUser=

DBUser=zabbix

### Option: DBPassword
#       Database password. Ignored for SQLite.
#       Comment this line if no password is used.
#
# Mandatory: no
# Default:
DBPassword=zabbix

```

9) Redémarrer le service Zabbix

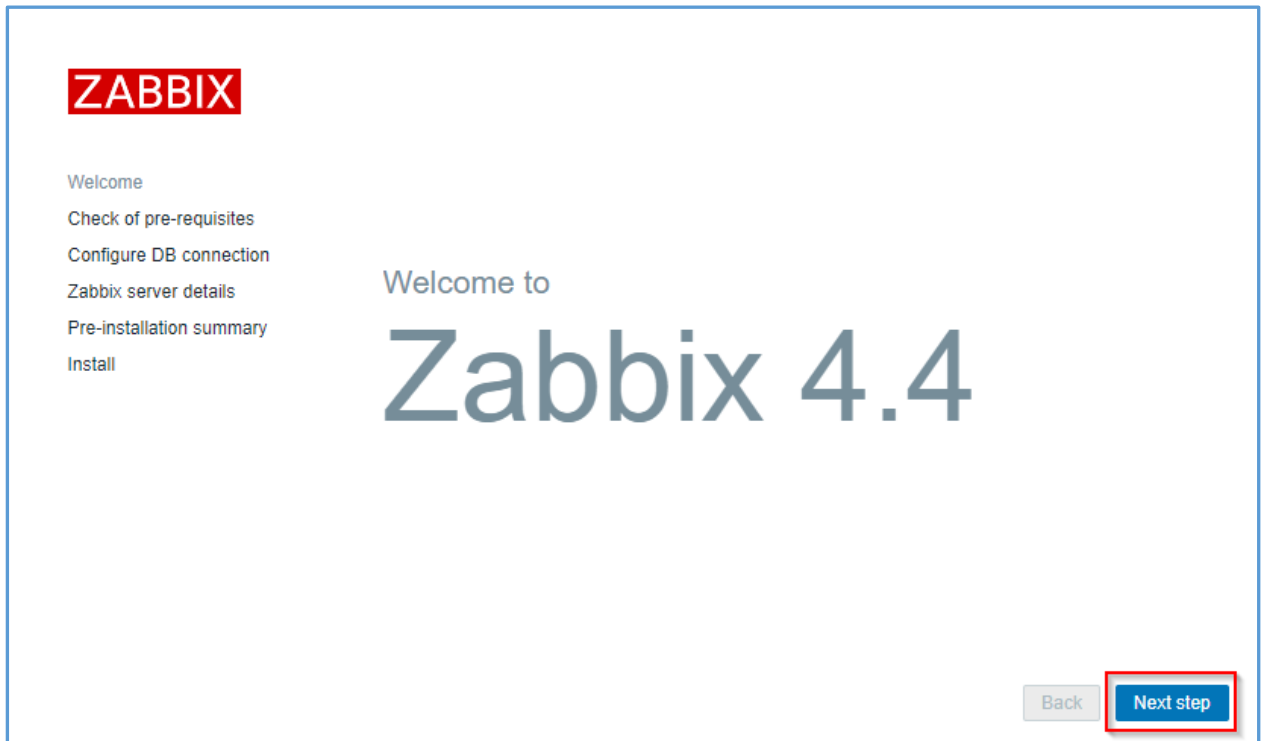
```
[root@localhost ~]# systemctl restart zabbix-server
```

## 2.2 Zabbix

- 1) Accéder à zabbix via l'url suivant : (remplacer l'adresse IP 192.168.150.131 par l'adresse IP de votre serveur zabbix)

<http://192.168.150.131/zabbix>

- 2) Vérifier les prérequis en cliquant sur **Next Step**



3) Corriger le paramètre **date.timezone**

**ZABBIX**

Welcome

Check of pre-requisites


Configure DB connection

Zabbix server details

Pre-installation summary

Install

### Check of pre-requisites

 Time zone for PHP is not set (configuration parameter "date.timezone").

	Current value	Required	
PHP version	5.4.16	5.4.0	OK
PHP option "memory_limit"	128M	128M	OK
PHP option "post_max_size"	16M	16M	OK
PHP option "upload_max_filesize"	2M	2M	OK
PHP option "max_execution_time"	300	300	OK
PHP option "max_input_time"	300	300	OK
PHP option "date.timezone"	unknown		Fail
PHP databases support	MySQL		OK
PHP bcmath	on		OK

BackNext step

4) Définir le paramètre **date.timezone** dans le fichier de configuration de php  
**/etc/php.ini**

Il suffit d'éditer le fichier **/etc/php.ini** et de renseigner le paramètre **date.timezone**

```
[Date]
; Defines the default timezone used by the date functions
;http://php.net/date.timezone
date.timezone = America/Montreal
```

5) Redémarrer le service Apache

```
[root@localhost ~]# systemctl restart httpd
```

6) Vérifier les prérequis de nouveau en cliquant sur **F5** pour rafraichir la page.

**ZABBIX**

Welcome  
Check of pre-requisites  
Configure DB connection  
Zabbix server details  
Pre-installation summary  
Install

### Check of pre-requisites

	Current value	Required	
PHP version	5.4.16	5.4.0	OK
PHP option "memory_limit"	128M	128M	OK
PHP option "post_max_size"	16M	16M	OK
PHP option "upload_max_filesize"	2M	2M	OK
PHP option "max_execution_time"	300	300	OK
PHP option "max_input_time"	300	300	OK
PHP option "date.timezone"	America/Montreal		OK
PHP databases support	MySQL		OK
PHP bcmath	on		OK
PHP mbstring	on		OK

Back

Next step

7) Cliquer sur **Next Step** pour configurer la connexion à la base de données.

8) Configurer la connexion à la base de données MySQL.

Nom de la base de données : zabbix

Nom de l'utilisateur : zabbix

Mot de passe : zabbix

**ZABBIX**

Welcome

Check of pre-requisites

Configure DB connection

Zabbix server details

Pre-installation summary

Install

### Configure DB connection

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

Database type: MySQL

Database host: localhost

Database port: 0 0 - use default port

Database name: zabbix

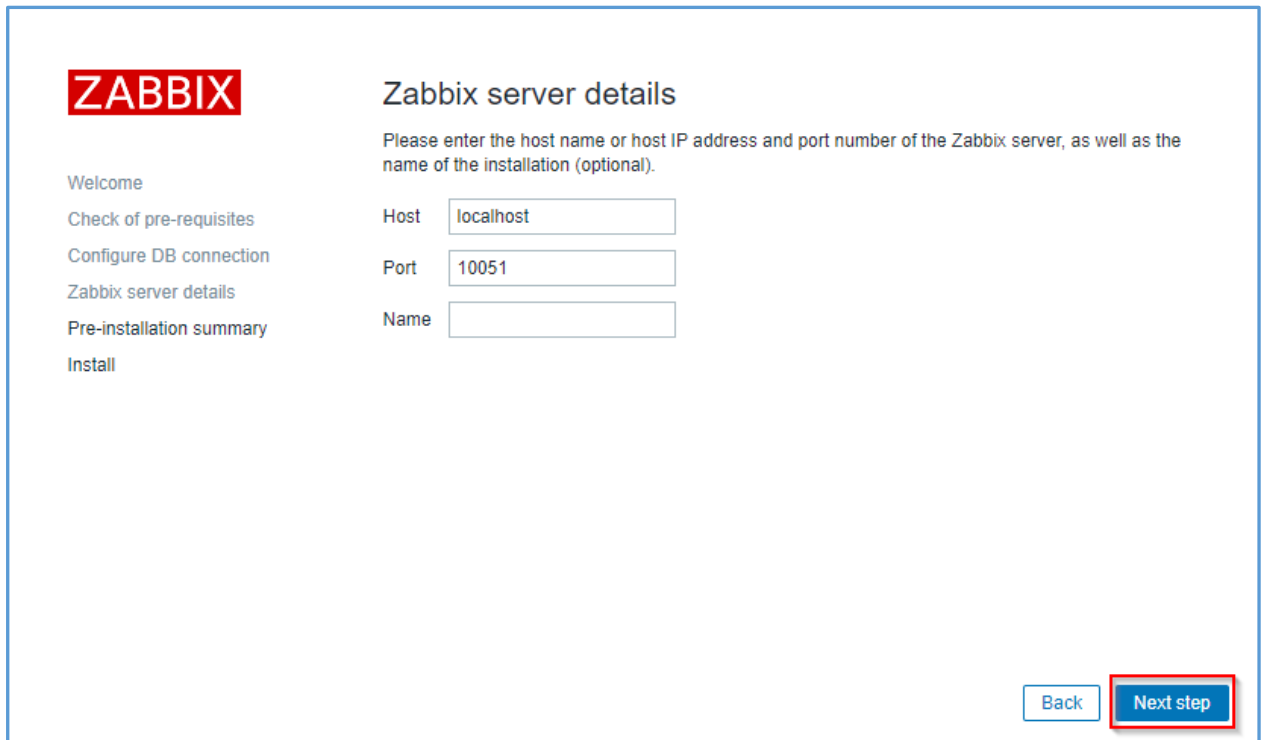
User: zabbix

Password: .....

Back Next step

9) Cliquer sur **Next Step** pour configurer les détails du serveur zabbix.

10) Configurer les détails du serveur zabbix.



The screenshot shows the Zabbix web interface for configuring server details. On the left is a sidebar with the ZABBIX logo and a list of steps: Welcome, Check of pre-requisites, Configure DB connection, Zabbix server details (highlighted), Pre-installation summary, and Install. The main area is titled 'Zabbix server details' and contains instructions to enter host name, IP address, port number, and installation name. There are three input fields: 'Host' with 'localhost', 'Port' with '10051', and 'Name' which is empty. At the bottom right are 'Back' and 'Next step' buttons, with the 'Next step' button highlighted by a red rectangle.

**ZABBIX**

Welcome

Check of pre-requisites

Configure DB connection

**Zabbix server details**

Pre-installation summary

Install

### Zabbix server details

Please enter the host name or host IP address and port number of the Zabbix server, as well as the name of the installation (optional).

Host

Port

Name

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

11) Cliquer sur **Next Step** pour visualiser le sommaire de l'installation.

12)Sommaire de l'installation.

**ZABBIX**

Welcome

Check of pre-requisites

Configure DB connection

Zabbix server details

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

MySQL

Database server

localhost

Database port

default

Database name

zabbix

Database user

zabbix

Database password

\*\*\*\*\*

Zabbix server

localhost

Zabbix server port

10051

Zabbix server name

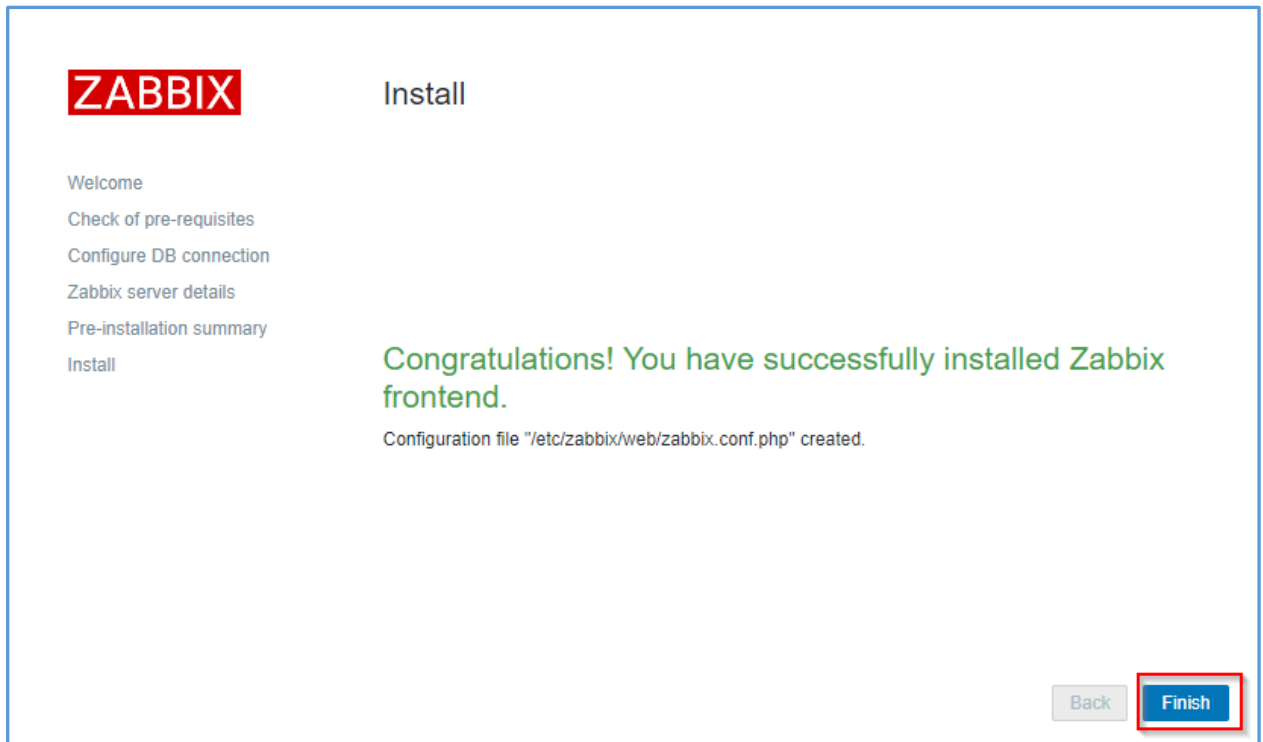
Back

Next step

13)Cliquer sur **Next Step** pour lancer l'installation.



14) Fin de l'installation.

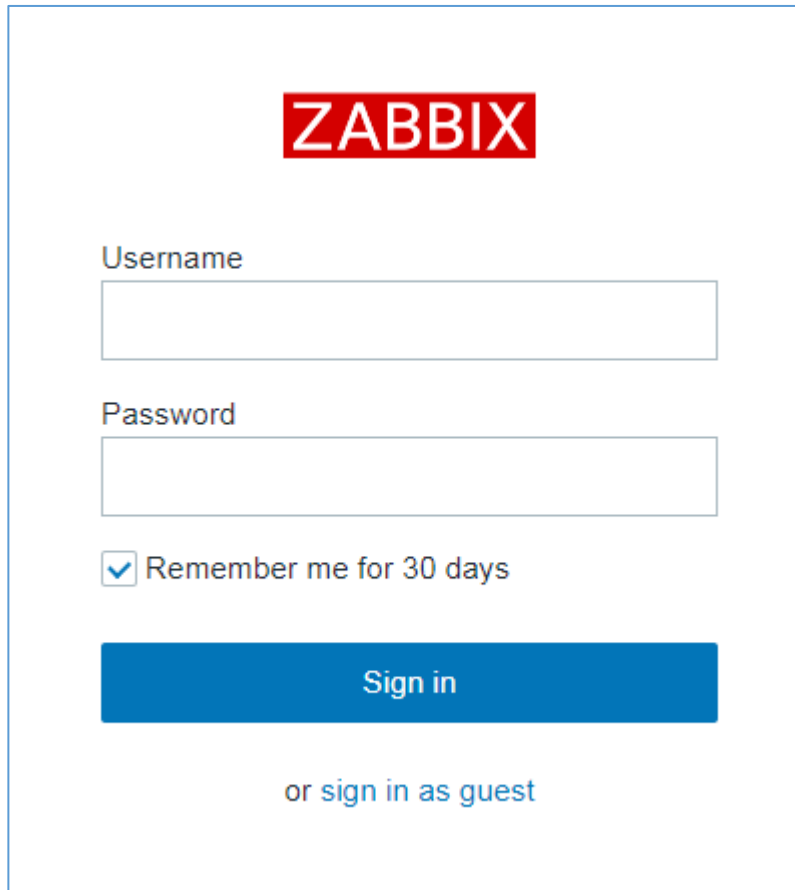


15) Cliquer sur **Finish** pour lancer la console d'administration de zabbix.

### 3 Console d'administration

- 1) Pour se connecter à la console administration de zabbix, il suffit de suivre l'url suivant:

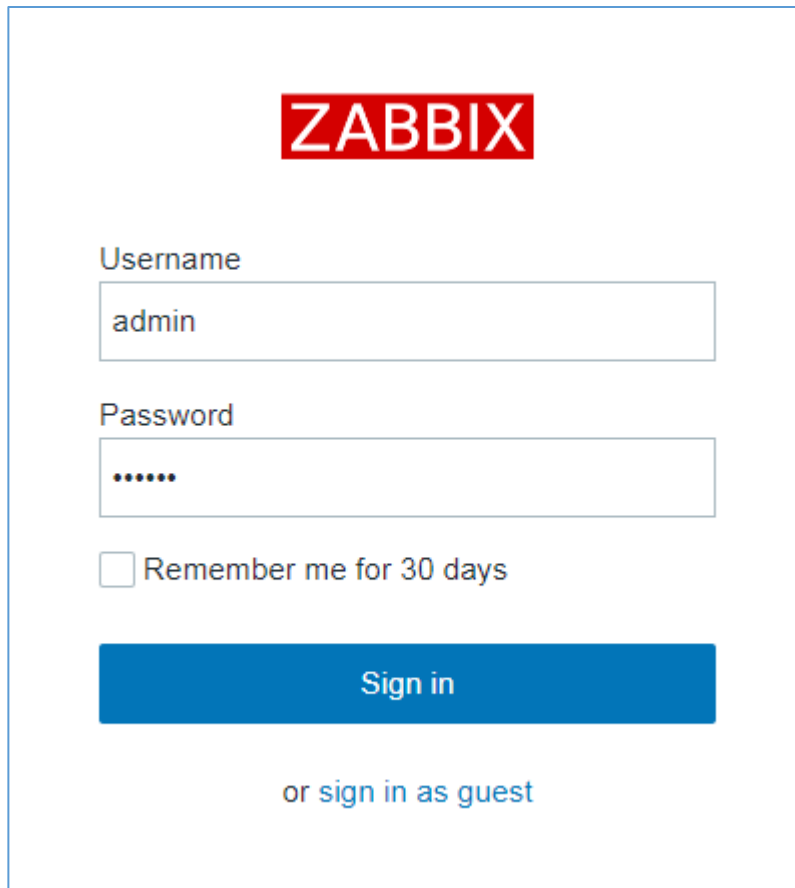
<http://192.168.150.131/zabbix/>

The image shows the ZABBIX login interface. At the top, the word "ZABBIX" is displayed in white capital letters on a red rectangular background. Below this, the label "Username" is positioned above a white text input field. Further down, the label "Password" is positioned above another white text input field. Below the password field, there is a checkbox that is checked, followed by the text "Remember me for 30 days". At the bottom of the form, there is a large blue rectangular button with the text "Sign in" in white. Below the button, the text "or sign in as guest" is displayed in a smaller, blue font.

2) Saisir les informations de login suivants :

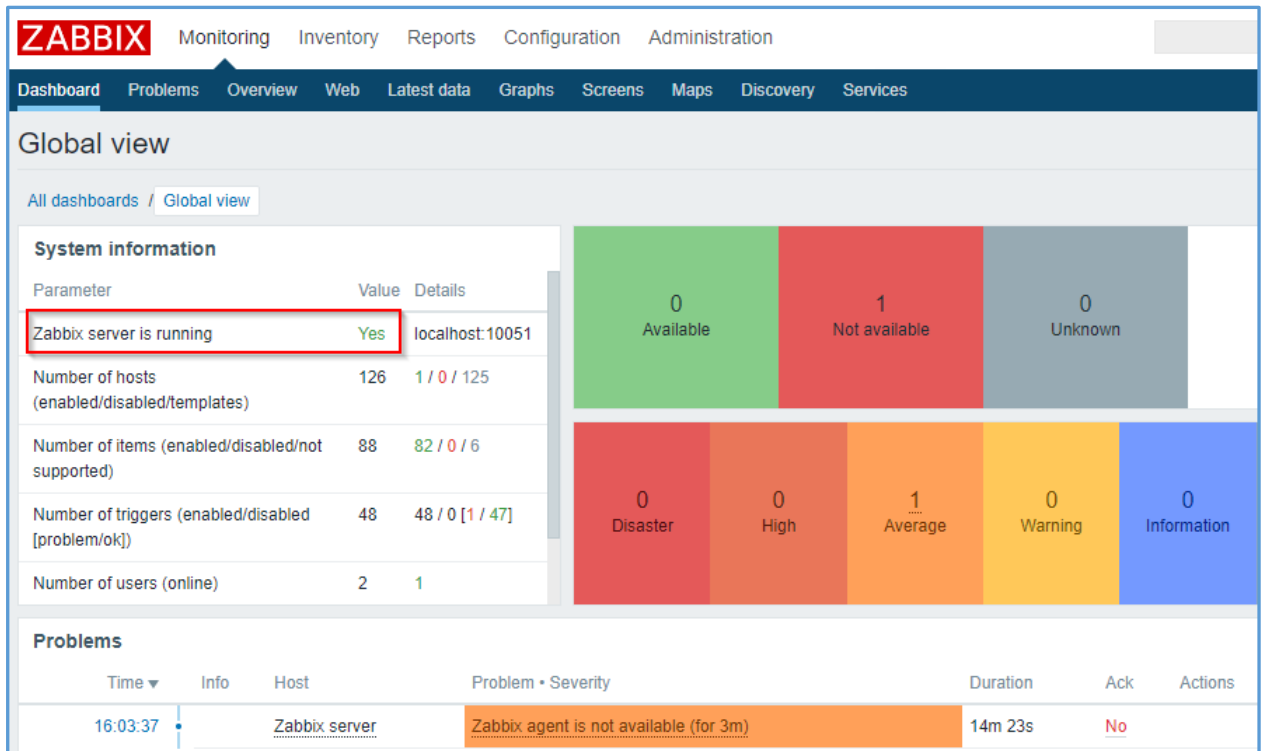
Username : admin

Password : zabbix



The image shows the ZABBIX login interface. At the top, the ZABBIX logo is displayed in white text on a red rectangular background. Below the logo, the word "Username" is followed by a text input field containing the text "admin". Underneath, the word "Password" is followed by a text input field filled with seven dots. Below the password field is a checkbox with the label "Remember me for 30 days". A large blue button with the text "Sign in" is positioned below the checkbox. At the bottom of the form, the text "or sign in as guest" is displayed in a smaller, blue font.

### 3) Affichage de la console d'administration.



## 4 Installation de l'agent Zabbix sur le serveur Zabbix

Vous devez disposer d'un serveur Linux **CentOS** version **7** avec toutes les mises à jour installées.

Installer la dernière version disponible dans le repository de Zabbix :

<http://repo.zabbix.com/zabbix>

```
[root@localhost ~]# rpm -Uvh
http://repo.zabbix.com/zabbix/4.4/rhel/7/x86_64/zabbix-agent-
4.4.0-1.el7.x86_64.rpm

Retrieving
http://repo.zabbix.com/zabbix/4.4/rhel/7/x86_64/zabbix-agent-
4.4.0-1.el7.x86_64.rpm
Preparing...
##### [100%]
Updating / installing...
 1:zabbix-agent-4.4.0-1.el7
##### [100%]
```

## 5 Configuration de l'agent Zabbix

### 1) Éditer le fichier de configuration de l'agent Zabbix

```
[root@localhost ~]# vi /etc/zabbix/zabbix_agentd.conf
```

### 2) Remplacer 127.0.0.1 par l'adresse IP de votre serveur Zabbix.

```
### Option: Server
#       List of comma delimited IP addresses, optionally in CIDR
#       notation, or DNS names of Zabbix servers and Zabbix proxies.
# Incoming connections will be accepted only from the hosts listed
# here.
#       If IPv6 support is enabled then '127.0.0.1',
#       '::127.0.0.1', '::ffff:127.0.0.1' are treated equally
#       and '::/0' will allow any IPv4 or IPv6 address.
#       '0.0.0.0/0' can be used to allow any IPv4 address.
#       Example:
Server=127.0.0.1,192.168.1.0/24,::1,2001:db8::/32,zabbix.example.
com
#
# Mandatory: yes, if StartAgents is not explicitly set to 0
# Default:
# Server=

Server=127.0.0.1
```

3) Remplacer 127.0.0.1 par l'adresse IP de votre serveur Zabbix.

```
### Option: ServerActive
#       List of comma delimited IP:port (or DNS name:port) pairs
#       of Zabbix servers and Zabbix proxies for active checks.
#       If port is not specified, default port is used.
#       IPv6 addresses must be enclosed in square brackets if
#       port for that host is specified.
#       If port is not specified, square brackets for IPv6
#       addresses are optional.
#       If this parameter is not specified, active checks are
#       disabled.
#       Example:
#       ServerActive=127.0.0.1:20051,zabbix.domain,[::1]:30051,::1,[12fc:
#       :1]
#
# Mandatory: no
# Default:
# ServerActive=
ServerActive=127.0.0.1
```

4) Remplacer Zabbix Server par le nom votre serveur Zabbix.

```
### Option: Hostname
#       Unique, case sensitive hostname.
#       Required for active checks and must match hostname as
#       configured on the server.
#       Value is acquired from HostnameItem if undefined.
#
# Mandatory: no
# Default:
# Hostname=
Hostname=Zabbix server
```

## 6 Activation et démarrage de l'agent Zabbix

### 1) Activer l'agent Zabbix

```
[root@localhost ~]# systemctl enable zabbix-agent
```

### 2) Démarrer l'agent Zabbix

```
[root@localhost ~]# systemctl start zabbix-agent
```

### 3) Vérifier le statut de l'agent Zabbix

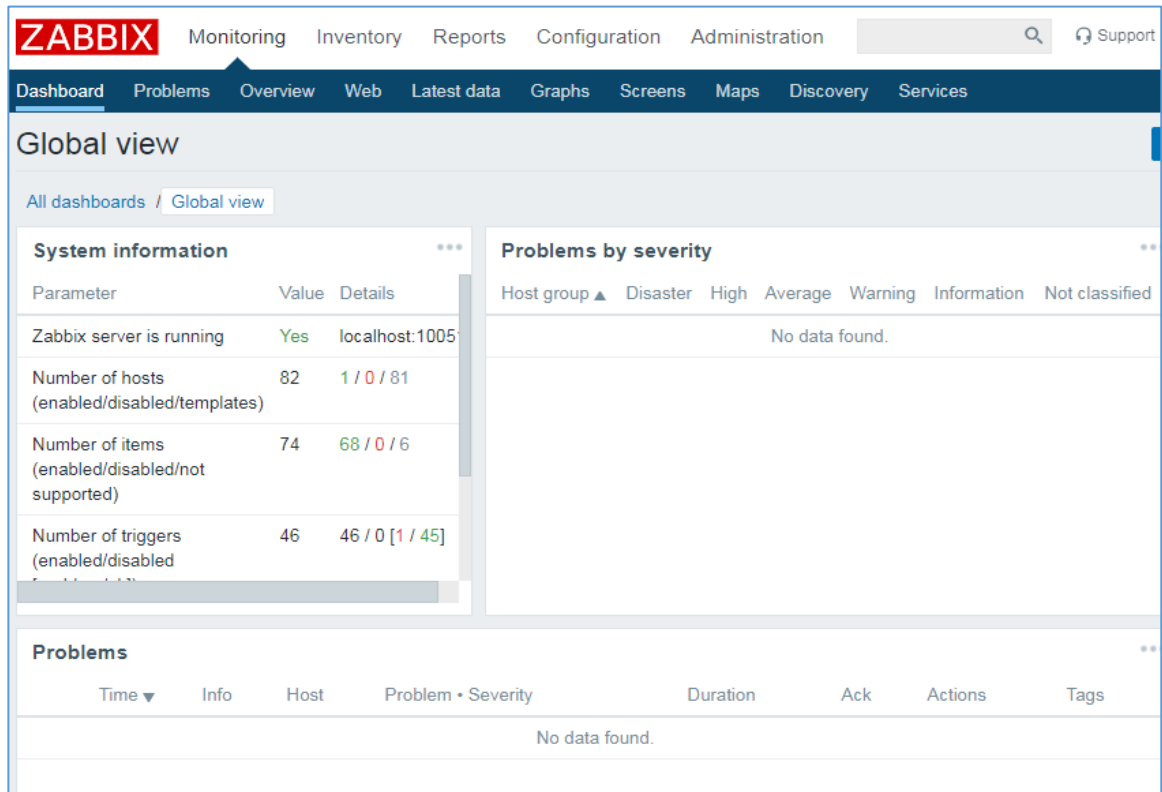
```
[root@localhost ~]# systemctl status zabbix-agent
```

- zabbix-agent.service - Zabbix Agent
  - Loaded: loaded (/usr/lib/systemd/system/zabbix-agent.service; disabled; vendor preset: disabled)
  - Active: active (running) since Sun 2019-10-20 13:52:08 PST; 8s ago
  - Process: 3862 ExecStart=/usr/sbin/zabbix\_agentd -c \$CONFFILE (code=exited, status=0/SUCCESS)
  - Main PID: 3864 (zabbix\_agentd)
  - CGroup: /system.slice/zabbix-agent.service
    - └─3864 /usr/sbin/zabbix\_agentd -c /etc/zabbix/zabbix\_agentd.conf
    - └─3865 /usr/sbin/zabbix\_agentd: collector [idle 1 sec]
    - └─3866 /usr/sbin/zabbix\_agentd: listener #1 [waiting for connection]
    - └─3867 /usr/sbin/zabbix\_agentd: listener #2 [waiting for connection]
    - └─3868 /usr/sbin/zabbix\_agentd: listener #3 [waiting for connection]
    - └─3869 /usr/sbin/zabbix\_agentd: active checks #1 [idle 1 sec]



## 7 Ajouter un client au Serveur Zabbix

### 1) Aller dans la console Zabbix



The screenshot displays the Zabbix web interface. The top navigation bar includes links for Monitoring, Inventory, Reports, Configuration, and Administration. Below this, a secondary navigation bar shows Dashboard, Problems, Overview, Web, Latest data, Graphs, Screens, Maps, Discovery, and Services. The main content area is titled 'Global view' and contains three panels:

- System information**: A table with columns for Parameter, Value, and Details. It lists system status and counts for hosts, items, and triggers.
- Problems by severity**: A panel showing a list of problems categorized by severity (Disaster, High, Average, Warning, Information, Not classified). It currently displays 'No data found.'
- Problems**: A panel showing a list of problems with columns for Time, Info, Host, Problem • Severity, Duration, Ack, Actions, and Tags. It also displays 'No data found.'

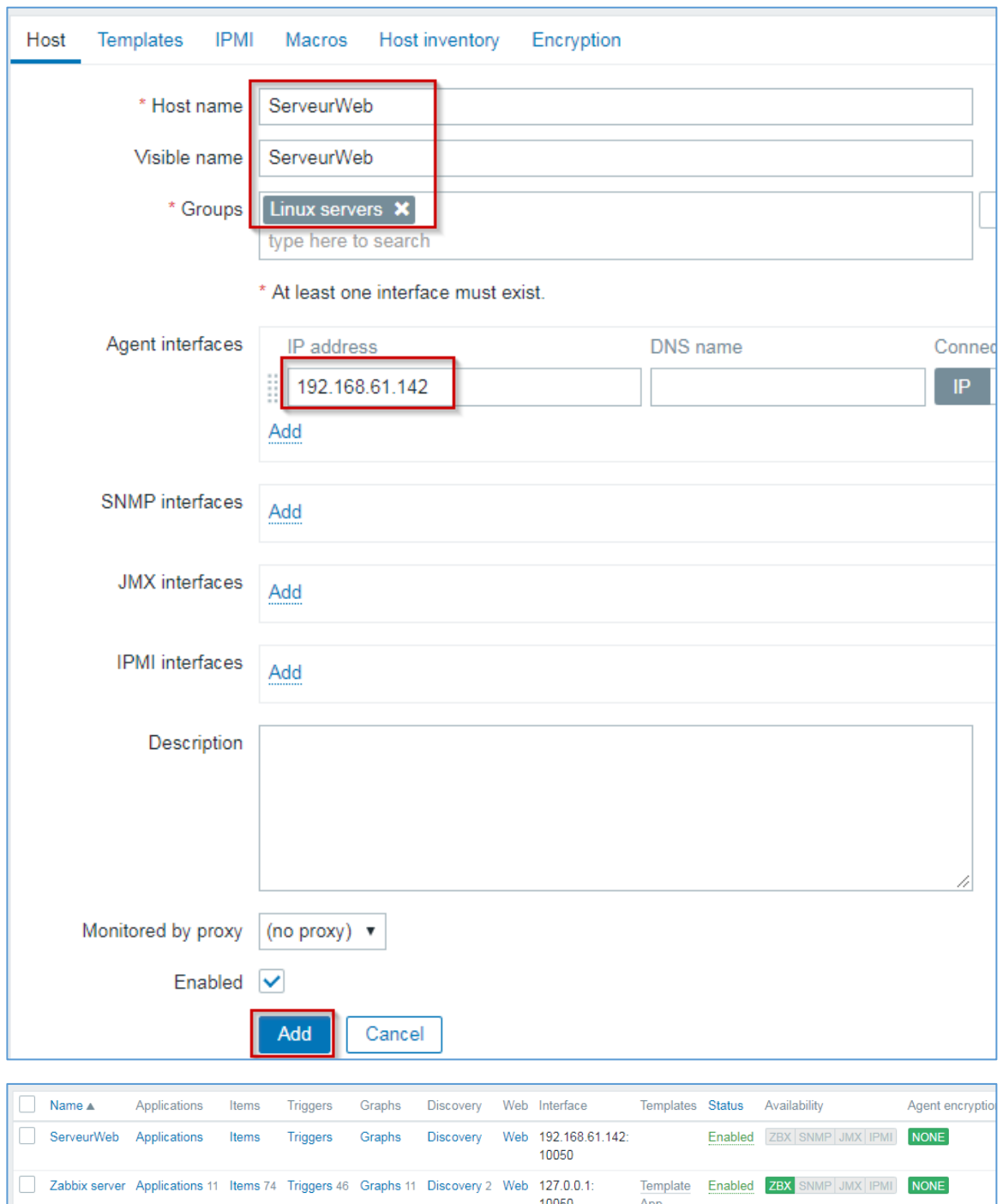
Parameter	Value	Details
Zabbix server is running	Yes	localhost:1005
Number of hosts (enabled/disabled/templates)	82	1 / 0 / 81
Number of items (enabled/disabled/not supported)	74	68 / 0 / 6
Number of triggers (enabled/disabled)	46	46 / 0 [1 / 45]

## 2) Aller dans *Configuration-Hosts-Create host*

The screenshot shows the Zabbix web interface. The top navigation bar includes 'Monitoring', 'Inventory', 'Reports', 'Configuration' (highlighted), and 'Administration'. Below this, a sub-navigation bar shows 'Host groups', 'Templates', 'Hosts' (highlighted), 'Maintenance', 'Actions', 'Event correlation', 'Discovery', and 'Services'. The main content area is titled 'Hosts' and features a 'Group' dropdown set to 'all' and a 'Create host' button (highlighted). Below these are input fields for 'Name', 'DNS', 'IP', 'Port', 'Templates' (with a search bar and 'Select' button), 'Monitored by' (with buttons for 'Any', 'Server', 'Proxy'), and 'Proxy' (with a 'Select' button). 'Apply' and 'Reset' buttons are at the bottom of the form. A table below the form lists existing hosts with columns for Name, Applications, Items, Triggers, Graphs, Discovery, Web, Interface, Templates, Status, Availability, and Agent encryption. The first row shows 'Zabbix server' with various metrics and a status of 'Enabled'.

<input type="checkbox"/>	Name ▲	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Templates	Status	Availability	Agent encryption	Info			
<input type="checkbox"/>	Zabbix server	Applications 11	Items 74	Triggers 46	Graphs 11	Discovery 2	Web 127.0.0.1:10050		Template App Zabbix	Enabled	ZBX	SNMP	JMX	IPMI	NONE	

- 3) Saisir le *host name* et *Visible name* de la machine à surveiller et la mettre dans un groupe. Cliquer sur le bouton *Add*



The screenshot shows the Zabbix Host configuration form. The 'Host name' and 'Visible name' fields are both set to 'ServeurWeb'. The 'Groups' field shows 'Linux servers'. The 'Agent interfaces' section has an 'IP address' field set to '192.168.61.142'. The 'Add' button is highlighted with a red box. Below the form is a table showing the list of hosts.

Name ▲	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Templates	Status	Availability	Agent encryption
<input type="checkbox"/> ServeurWeb	Applications	Items	Triggers	Graphs	Discovery	Web	192.168.61.142:10050		Enabled	ZBX   SNMP   JMX   IPMI	NONE
<input type="checkbox"/> Zabbix server	Applications 11	Items 74	Triggers 46	Graphs 11	Discovery 2	Web	127.0.0.1:10050	Template App	Enabled	ZBX   SNMP   JMX   IPMI	NONE

#### 4) Installer l'agent sur le serveur web

Important : Hostname= Hostname défini dans la console zabbix

```
### Option: Hostname
# Unique, case sensitive hostname.
# Required for active checks and must match hostname as
# configured on the server.
# Value is acquired from HostnameItem if undefined.
#
# Mandatory: no
# Default:
# Hostname=

Hostname=ServeurWeb
```

Modifier aussi l'option Server pour le pointer sur le serveur Zabbix.

<input type="checkbox"/>	Name ▲	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Templates	Status	Availability	Agent encryption
<input type="checkbox"/>	Serveur Web	Applications 11	Items 33	Triggers 16	Graphs 5	Discovery 2	Web 192.168.0.2:10050		Template App HTTP Service, Template OS Linux (Template App Zabbix Agent)	Enabled	ZBX SNMP JMX IPMI	NONE
<input type="checkbox"/>	Zabbix server	Applications 11	Items 74	Triggers 46	Graphs 11	Discovery 2	Web 127.0.0.1:10050		Template App Zabbix Server, Template OS Linux (Template App Zabbix Agent)	Enabled	ZBX SNMP JMX IPMI	NONE

## 8 Dépannage

Consulter le fichier log du serveur Zabbix : **/var/log/zabbix/zabbix\_server.log**

**Problème**      Connection to database 'zabbix' failed

**Solution**      Définir le mot de passe de Zabbix dans le fichier **zabbix\_server.conf** :  
**DBPassword=zabbix**

```
# tail -f /var/log/zabbix/zabbix_server.log
1097:20171031:201042.885 [Z3001] connection to database 'zabbix' failed:
[1045] Access denied for user 'zabbix'@'localhost' (using password: NO)
1097:20171031:201042.886 database is down: reconnecting in 10 seconds
1097:20171031:201052.896 [Z3001] connection to database 'zabbix' failed:
[1045] Access denied for user 'zabbix'@'localhost' (using password: NO)
1097:20171031:201052.896 database is down: reconnecting in 10 seconds
1097:20171031:201102.901 [Z3001] connection to database 'zabbix' failed:
[1045] Access denied for user 'zabbix'@'localhost' (using password: NO)
1097:20171031:201102.901 database is down: reconnecting in 10 seconds
1097:20171031:201112.902 [Z3001] connection to database 'zabbix' failed:
[1045] Access denied for user 'zabbix'@'localhost' (using password: NO)
1097:20171031:201112.902 database is down: reconnecting in 10 seconds
1097:20171031:201122.906 [Z3001] connection to database 'zabbix' failed:
[1045] Access denied for user 'zabbix'@'localhost' (using password: NO)
```