### **Zabbix Server Steps**

### **Red Hat Enterprise Linux / CentOS**

### **#edited by YATIN- 11 April 2017**

### **# I have marked places with explaination that need to be present in document. May be some requirements are obvious(like rpm url) for system admin, but document must be in a way that even if developer should be able to set zabbix server.**

### # Not work exactly the same on Amazon Linux(due to non presence of systemd service in Amazon Linux)

**Installing repository configuration package**

# rpm -Uvh <http://repo.zabbix.com/zabbix/3.0/rhel/7/x86_64/zabbix-release-3.0-1.el7.noarch.rpm> (for centos 7)

**(must mention for which centos this url is,**

**for centos 6 we have**

**# rpm -Uvh http://repo.zabbix.com/zabbix/3.0/rhel/6/x86\_64/zabbix-release-3.0-1.el6.noarch.rpm**

**and for centos5 we have**

**# rpm -Uvh http://repo.zabbix.com/zabbix/3.0/rhel/6/x86\_64/zabbix-release-3.0-1.el6.noarch.rpm**

**)**

**Required packges (way to install some packages is not mentioned)**

* Apache: 1.3.12 or later.
* PHP: 5.4.0 or later (PHP 7 not supported).
* MySQL: 5.0.3 or later.
* OpenIPMI: Required for IPMI support.
* libssh2: Required for SSH support. Version 1.0 or higher. (**yum install libssh2**)
* fping: Required for ICMP ping items. (**use https://lintut.com/install-and-use-fping-app-on-rhelcentos-6-x7-x/**)
* libcurl: Required for web monitoring. **(should be already installed)**
* libiksemel: Required for Jabber support.
* net-snmp: Required for SNMP support. (**yum install net-snmp**)

# yum install httpd httpd-devel

# yum install mysql mysql-server

(**By default php5.3 will be installed by this command while zabbix requirement is of php >=5.4**)

# yum install php php-cli php-common php-devel php-pear php-gd php-mbstring php-mysql php-xml php-bcmath

yum install php56w php56w-opcache php56w-xml php56w-mcrypt php56w-gd php56w-devel php56w-mysql php56w-intl php56w-mbstring

Start All Services

# service httpd start

# service mysqld start

# yum install zabbix-server-mysql zabbix-web-mysql zabbix-agent zabbix-java-gateway

#mysql\_secure\_installation (what are best options that need to be selected)

**Set passowrd for mysql root (login in mysql as root and password nothing, lauch command**

Update mysql.user SET password=PASSWORD('root') WHERE user='root' AND host='localhost';

**). exit from mysql, then restart mysqld and password will be changed.**

# service mysqld start

#chkconfig mysqld on **(to keep mysql server always open)**

**<<Unable to move ahead as unable to install libiksemel, and its dependencies. >>**

**Now create database**

# mysql -uroot -p<password>

mysql> create database zabbix character set utf8 collate utf8\_bin;

mysql> grant all privileges on zabbix.\* to zabbix@localhost identified by '<password>';

mysql> quit;

**Now go to zabbix sample directory**

#cd /usr/share/doc/zabbix-server-mysql\*/create/

#mysql -u zabbix -p<password> zabbix < schema.sql

**# stop here if you are creating database for Zabbix proxy**

#mysql -u zabbix -p<password> zabbix < images.sql

#mysql -u zabbix -p<password> zabbix < data.sql

# service mysqld restart

**Edit database configuration in zabbix\_server.conf**

**# vi /etc/zabbix/zabbix\_server.conf**

DBHost=localhost

DBName=zabbix

DBUser=zabbix

DBPassword=zabbix

**Start Zabbix server process.**

# service zabbix-server start

**Apache configuration file for Zabbix frontend is located in /etc/httpd/conf.d/zabbix.conf. Some PHP settings are already configured.**

php\_value max\_execution\_time 300

php\_value memory\_limit 128M

php\_value post\_max\_size 16M

php\_value upload\_max\_filesize 2M

php\_value max\_input\_time 300

**# php\_value date.timezone Europe/Riga**

It's necessary to uncomment the “**date.timezone**” setting and set the right timezone for you. After changing the configuration file restart the apache web server.

# service httpd restart

#chkconfig zabbix-server on

# chkconfig zabbix-agent on

# chkconfig mysqld on

# chkconfig httpd on

**Now open zabbix web console on browser**

[**http://IP\_address\_Zabbix\_sever/zabbix**](http://IP_address_Zabbix_sever/zabbix)

**username -Admin**

**password – zabbix**

**Follow steps to finish configurations**

**Client End configurations**

**#** # yum install zabbix-agent

**Edit config file**

#vi /etc/zabbix/zabbix\_agentd.conf

#Server=[zabbix server ip]

#Hostname=[ Hostname of client system ]

Server=zabbix server ip

Port 10050

Hostname=zabbix hostname

## **Restarting Zabbix Agent**

#service zabbix-agent restart

# chkconfig zabbix-agent on

Now you can add host on zabbix server.