

CentOS + Wordpress setup

Basic install

After the basic OS-install (including activating the network card with a static ip)

Update the system to latest available packages

```
yum -y update
```

Install puppet repository and client

```
rpm -ivh https://yum.puppetlabs.com/puppetlabs-release-pc1-el-7.noarch.rpm  
yum -y install puppet-agent
```

Install ius repository

```
curl 'https://setup.ius.io/' -o setup-ius.sh  
bash setup-ius.sh
```

Install various systemtools

```
yum -y install wget unzip setools mlocate polycoreutils-python qemu-guest-agent mod_ssl
```

Install php72 modules needed for webserver

```
yum -y install mod_php72u php72u-cli php72u-mysqlnd.x86_64 php72u-ioncube-loader.x86_64 php72u-xml.x86_64 php72u-xmldrpc.x86_64 php72u-gd.x86_64 php72u-snmp.x86_64 php72u-soap.x86_64 php72u-odbc.x86_64 php72u-soap.x86_64 php72u-odbc.x86_64 php72u-mbstring.x86_64 php72u-json.x86_64
```

Install and configure Database server

```
yum -y install mariadb-server  
systemctl enable mariadb  
systemctl start mariadb  
mysql_secure_installation
```

Install Wordpress

```
wget https://wordpress.org/latest.zip  
unzip latest.zip -d /var/www/html  
mkdir /var/www/html/wordpress/wp-content/uploads  
chown apache:apache -R /var/www/html/wordpress
```

Configure SELinux

```
semanage fcontext -a -t httpd_sys_rw_content_t "/var/www/html/wordpress/wp-content/uploads(/.*)"
restorecon -Rv /var/www/html/wordpress/wp-content/uploads
semanage fcontext -a -t httpd_sys_content_t /var/www/html/wordpress/
restorecon -v /var/www/html/wordpress/
chcon -t httpd_sys_rw_content_t /var/www/html/wordpress/
```

Configure Webserver

```
systemctl enable httpd
sed -i /etc/httpd/conf/httpd.conf -e 's/AllowOverride None/AllowOverride All/g'
sed -i /etc/httpd/conf/httpd.conf -e 's/%h/{X-Forwarded-For}i/g'
sed -i /etc/httpd/conf/httpd.conf -e 's/DocumentRoot "\/var/www/html/&\wordpress/g'
sed -i /etc/httpd/conf/httpd.conf -e 's/DocumentRoot "\/var/www/html/&\wordpress/g'
vi /etc/httpd/conf.d/non-ssl.conf
```

```
<VirtualHost *:80>
    ServerName test.comsolve.nl
    Redirect "/" "https://test.comsolve.nl/"
</VirtualHost>
```

```
systemctl start httpd
```

Install wp-cli management tool

```
curl -O https://raw.githubusercontent.com/wp-cli/builds/gh-pages/phar/wp-cli.phar
chmod +x wp-cli.phar
mv wp-cli.phar /usr/local/bin/wp
wp cli update
```

Configure MySQL database

```
mysql -u root -p
create database wordpress;
\q
```

Adjust/add the public hostname in the hosts file

```
vi /etc/hosts
<ip> full.hostname.tld shortname
```

Add firewall rules for webserver and QEMU-agent

```
firewall-cmd --add-service=http --permanent
firewall-cmd --add-service=https --permanent
firewall-cmd --zone=public --add-port=5555/tcp --permanent
systemctl restart firewalld
```

Configure certificate for SSL

```
mkdir /etc/ssl/private
chmod 700 /etc/ssl/private
openssl req -x509 -nodes -days 825 -newkey rsa:2048 -keyout /etc/ssl/private/apache-selfsigned.key -out
/etc/ssl/certs/apache-selfsigned.crt
```

```
Country Name (2 letter code) [XX]:NL
State or Province Name (full name) []:Zuid-Holland
Locality Name (eg, city) [Default City]:Dordrecht
Organization Name (eg, company) [Default Company Ltd]:Comsolve
Organizational Unit Name (eg, section) []:Hosting
Common Name (eg, your name or your server's hostname) []:test.comsolve.nl
Email Address []:administrator@comsolve.nl
```

```
openssl dhparam -out /etc/ssl/certs/dhparam.pem 2048
cat /etc/ssl/certs/dhparam.pem | tee -a /etc/ssl/certs/apache-selfsigned.crt
```

Configure Webserver to use the created certificate

```
sed -i /etc/httpd/conf.d/ssl.conf -e 's/#DocumentRoot/DocumentRoot/g'
sed -i /etc/httpd/conf.d/ssl.conf -e 's/DocumentRoot ""\var\www\html/&\wordpress/g'
sed -i /etc/httpd/conf.d/ssl.conf -e 's/#ServerName/ServerName/g'
sed -i /etc/httpd/conf.d/ssl.conf -e 's/www\.example\.com/test\.comsolve\.nl/g'
sed -i /etc/httpd/conf.d/ssl.conf -e 's/\etc\pki\tls\certs\localhost\.crt\etc\ssl\certs\apache-
selfsigned\.crt/g'
sed -i /etc/httpd/conf.d/ssl.conf -e 's/\etc\pki\tls\certs\localhost\.key\etc\ssl\certs\apache-
selfsigned\.key/g'
```

Test apache configuration

```
apachectl configtest
```

Restart Apache webserver

```
systemctl restart httpd.service
```