

Update

```
dracut: *** Including module: qemu-net ***
dracut: *** Including module: resume ***
dracut: *** Including module: rootfs-block ***
dracut: *** Including module: suse-btrfs ***
dracut: *** Including module: suse-zfs ***
dracut: *** Including module: terminfo ***
dracut: *** Including module: udev-rules ***
dracut: Skipping udev rule: 40-redhat.rules
dracut: Skipping udev rule: 50-firmware.rules
dracut: Skipping udev rule: 50-udev.rules
dracut: Skipping udev rule: 91-permissions.rules
dracut: Skipping udev rule: 80-drivers-modprobe.rules
dracut: *** Including module: dracut-systemd ***
dracut: *** Including module: haveged ***
dracut: *** Including module: usrmount ***
dracut: *** Including module: base ***
dracut: *** Including module: fs-lib ***
dracut: *** Including module: shutdown ***
dracut: *** Including module: suse ***
dracut: *** Including module: suse-initrd ***
dracut: *** Including modules done ***
dracut: *** Installing kernel module dependencies ***
dracut: *** Installing kernel module dependencies done ***
dracut: *** Resolving executable dependencies ***
dracut: *** Resolving executable dependencies done ***
dracut: *** Hardlinking files ***
dracut: *** Hardlinking files done ***
dracut: *** Stripping files ***
dracut: *** Stripping files done ***
dracut: *** Generating early-microcode cpio image ***
dracut: *** Constructing Genuinelntel.bin ***
dracut: *** Store current command line parameters ***
dracut: Stored kernel commandline:
dracut: resume=UUID=eff7b3d0-f0ec-affa-983b-8abaa379150
dracut: root=UUID=dcfce923-b69b-45da-9672-fbed10325f4 rootfstype=ext4 rootflags=rw,relatime
dracut: *** Creating image file '/boot/initrd-5.3.18-lp152.50-default' ***
dracut: *** Creating initramfs image file '/boot/initrd-5.3.18-lp152.50-default' done ***

Executing %posttrans scripts .....[done]
Running: opensuse-build-key-1.0-lp152.5.3-l-opensuse-build-key.sh.txt (opensuse-build-key, /var/adm/update-scripts) .....[done]
Running: opensuse-build-key-1.0-lp152.5.3-l-opensuse-build-key.sh.txt (opensuse-build-key, /var/adm/update-scripts) .....[done]
There are running programs which still use files and libraries deleted or updated by recent upgrades. They should be restarted to benefit from the latest updates. Run
'zypper ps -s' to list these programs.

Core libraries or services have been updated.
Reboot is required to ensure that your system benefits from these updates.
opensuse~ #
```

Install nginx

```
Core libraries or services have been updated.
Reboot is required to ensure that your system benefits from these updates.
opensuse~ # zypper install -y nginx
Building repository 'Non-OSS Repository' cache .....[done]
Building repository 'Main Repository' cache .....[done]
Building repository 'Main Update Repository' cache .....[done]
Building repository 'Update Repository (Non-Oss)' cache .....[done]
Loading repository data...
Reading installed packages...
Resolving package dependencies...

The following recommended package was automatically selected:
vim-plugin-nginx

The following 6 NEW packages are going to be installed:
libgd libmaxminddb libwebp libxslt1 nginx vim-plugin-nginx

6 new packages to install.
Overall download size: 1.2 MiB. Already cached: 0 B. After the operation, additional 3.9 MiB will be used.
Continue? [y/n/v/...? shows all options] (y): y
Retrieving package libwebp-1.0.3-lp152.1.3.x86_64 .....(1/6), 198.3 KiB (434.7 KiB unpacked)
Retrieving: libwebp-1.0.3-lp152.1.3.x86_64.rpm .....[done]
Retrieving package libxslt1-1.1.32-lp152.5.1.x86_64 .....(2/6), 139.1 KiB (340.3 KiB unpacked)
Retrieving: libxslt1-1.1.32-lp152.5.1.x86_64.rpm .....[done]
Retrieving package libgd-2.5-lp152.9.3.x86_64 .....(3/6), 125.6 KiB (485.7 KiB unpacked)
Retrieving: libgd-2.5-lp152.9.3.x86_64.rpm .....[done]
Retrieving package libmaxminddb-1.4.3-lp152.2.3.1.x86_64 .....(4/6), 30.8 KiB (33.3 KiB unpacked)
Retrieving: libmaxminddb-1.4.3-lp152.2.3.1.x86_64.rpm .....[done]
Retrieving package vim-plugin-nginx-1.16.1-lp152.2.3.1.noarch .....(5/6), 70.1 KiB (128.6 KiB unpacked)
Retrieving: vim-plugin-nginx-1.16.1-lp152.2.3.1.noarch.rpm .....[done (15.5 KiB/s)]
Retrieving package nginx-1.16.1-lp152.2.3.1.x86_64 .....(6/6), 791.2 KiB ( 2.6 MiB unpacked)
Retrieving: nginx-1.16.1-lp152.2.3.1.x86_64.rpm .....[done]

Checking for file conflicts: .....[done]
(1/6) Installing: libwebp-1.0.3-lp152.1.3.x86_64 .....[done]
(2/6) Installing: libxslt1-1.1.32-lp152.5.1.x86_64 .....[done]
(3/6) Installing: libgd-2.5-lp152.9.3.x86_64 .....[done]
(4/6) Installing: libmaxminddb-1.4.3-lp152.2.3.1.x86_64 .....[done]
(5/6) Installing: vim-plugin-nginx-1.16.1-lp152.2.3.1.noarch .....[done]
(6/6) Installing: nginx-1.16.1-lp152.2.3.1.x86_64 .....[done]
opensuse~ #
```

nginx.conf

```
#error_log /var/log/nginx/error.log;
#error_log /var/log/nginx/error.log notice;
#error_log /var/log/nginx/error.log info;

#pid /run/nginx.pid;

events {
    worker_connections 1024;
    use epoll;
}

http {
    include mime.types;
    default_type application/octet-stream;

    #log_format main '$remote_addr - $remote_user [$time_local] "$request" '
    # '$status $body_bytes_sent "$http_referer" '
    # '"$http_user_agent" "$http_x_forwarded_for"';

    #access_log /var/log/nginx/access.log main;

    sendfile on;
    #tcp_nopush on;

    #keepalive_timeout 0;
    keepalive_timeout 65;

    #gzip on;

    include conf.d/*.conf;

    server {
        listen 80 default_server;
        server_name kameleony.local;

        #charset koi8-r;

        #access_log /var/log/nginx/host.access.log main;

        location / {
            root /srv/www/htdocs;
            index index.html index.htm;
        }
    }
}

-- INSERT --
```

```

# hosts      This file describes a number of hostname-to-address
#            mappings for the TCP/IP subsystem.  It is mostly
#            used at boot time, when no name servers are running.
#            On small systems, this file can be used instead of a
#            "named" name server.
#
# Syntax:
#
# IP-Address  Full-Qualified-Hostname  Short-Hostname
#
127.0.0.1    kameleony.local
# special IPv6 addresses
::1          localhost ipv6-localhost ipv6-loopback
fe00::0      ipv6-localnet
ff00::0      ipv6-mcastprefix
ff02::1      ipv6-allnodes
ff02::2      ipv6-allrouters
ff02::3      ipv6-allhosts

```

```
9. 192.168.100.108 x
<!DOCTYPE HTML>
<html>
  <head>
    <meta charset="utf-8">
    <title>Kameleony</title>
  </head>
  <body>
    <h1>Pozdrawiam wszystkich uzytkownikow openSUSE!</h1>
  </body>
</html>
~
~
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```

```

req: Use -help for summary.
openssl: /srv/www/htdocs # openssl req -new -newkey rsa:2048 -days 365
Ignoring -days; not generating a certificate
Generating a RSA private key
.....++++
.....++++
writing new private key to 'privkey.pem'
Enter PEM pass phrase:
Verifying - Enter PEM pass phrase:
-----
You are about to be asked to enter information that will be incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.
-----
Country Name (2 letter code) [AU]:

```

```
Please enter the following 'extra' attributes
to be sent with your certificate request
A challenge password []:
An optional company name []:
-----BEGIN CERTIFICATE REQUEST-----
MIICrjCCAZYCAQAwaTELMAKGA1UEBhMCUEwxDzANBgNVBAGMBldhcnNhdzEPMAOG
A1UEBwwGV2YFyc2F3MRIwEAYDVQQKDA1GaXJtYSBBYmMxCzAJBgNVBAsMAk1UMRcw
FQYDVQDDA5TZXJ2ZjIga29wY2lhaZCCASiWdQYjKzoiZ1hvcNAQEBOADggEPADCC
AQoCggEBAAKXvFzfhePG1FKfue/sEea0aSBtp29xXnXnjf1TR5wt9K0MebIqIxyv4
B0t5+hvf7NDQzrNJ8lfv+wwLevIXKyh+s7Knir5G+b/5tiQI1huX0xNJWAVyo5Gg
MkcCYqhM0/k1YPAL9UGPENs7p3wUoGoFK5AcgMj+mxJezhA9W5R/AG0IX9MpUHKg
nBVLy96NLHT1wqfuakFwwGar15gGLRFyBB/nWjAmXj7x07qDI3nBhDbW53yIcJtb
0wb8fbkujW9m63LNgPCvkyEtompin1n4Zf9MKh5IkBcDAC0ngkAwX2l8mVfht4p
YmDMmjSEBoVCrk5X7jSd1acXDTh0MrcAwEAAaAAAMAAG0AGCSGS1b3DQEBCwUAAIB
AQAZ27CGyljQnFH6QBEteZDi7gvmGHTKDEb3n88RmFPcseMX07Vuz2wy1IRANGN
PeewRRRQmULXg9is4c9jqlsF3Y2EY0sToCmqJqEexbdCBVnxNQTV+JU0w5TG9rD
hzgkLQSD351ARyioIhw3Tt4m6a6Kyw4CEALURY1X4h+zGxB5+jf4TwwVgF06cCfN
KdvBfw7J/mPvRetbFWSEK+c22sZRVpp1u13TvfDc84BwmDUGxKcEQVZPBmt2N47X
jQWY9X1jWAZCxxFACBQoY0rhxEtGAgK0ZLKezW95YoGIpltz0jQK/z69hgoBpp3/
6aUiJdRpFeuHUPmijwsc3xP5
-----END CERTIFICATE REQUEST-----
openssl: /srv/www/htdocs #
```

```
opensuse:/srv/www/htdocs # openssl req -new -newkey rsa:2048 -days 365 -nodes -x509 -keyout /etc/ssl/private/default.key -out /etc/ssl/certs/default.crt
Generating a RSA private key
.....+++++
writing new private key to '/etc/ssl/private/default.key'
-----
You are about to be asked to enter information that will be incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.
-----
Country Name (2 letter code) [AU]:PL
State or Province Name (full name) [Some-State]:Poland
Locality Name (eg, city) []:Warsaw
Organization Name (eg, company) [Internet Widgits Pty Ltd]:IT
Organizational Unit Name (eg, section) []:IT
Common Name (e.g. server FQDN or YOUR name) []:Server kopciak
Email Address []:

opensuse:/etc/ssl/private # ls
default.key
```

Edycja pliku nginx.conf

```
9.192.168.100.108
}
#}

# another virtual host using mix of IP-, name-, and port-based configuration
#
#server {
#    listen      8000;
#    listen      somename:8080;
#    server_name  somename  alias  another.alias;

#    location / {
#        root    /srv/www/htdocs/;
#        index   index.html index.htm;
#    }
#}

# HTTPS server
#
server {
    listen      443 ssl default_server;
    server_name kameleony.local;

    ssl_certificate      /etc/ssl/certs/default.crt;
    ssl_certificate_key  /etc/ssl/private/default.key;

    #    Allow TLS version 1.2 only, which is a recommended default these days
    #    by international information security standards.
    ssl_protocols        TLSv1.2;

    ssl_session_cache    shared:SSL:1m;
    ssl_session_timeout  5m;

    ssl_ciphers  HIGH:!aNULL:!MD5;
    ssl_prefer_server_ciphers  on;

    location / {
        root    /srv/www/htdocs/;
        index   index.html index.htm;
    }
}

include vhosts.d/*.conf;

-- INSERT --
Term by subscribing to the professional edition here: https://mobaxterm.mobatek.net
```

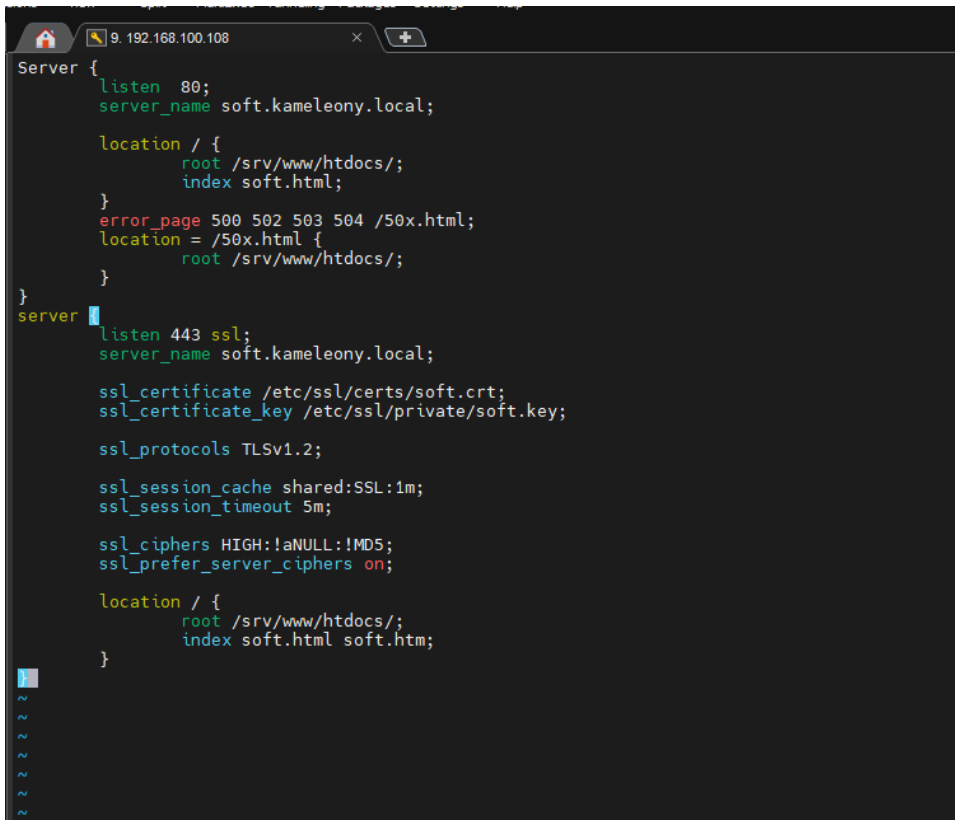
Certyfikat bezpieczeństwa dla subdomeny

```
opensuse:/etc/nginx # openssl req -new -newkey rsa:2048 -days 365 -nodes -x509 -keyout /etc/ssl/private/soft.key -out /etc/ssl/certs/soft.crt
Generating a RSA private key
.....+++++
writing new private key to '/etc/ssl/private/soft.key'
-----
You are about to be asked to enter information that will be incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.
-----
Country Name (2 letter code) [AU]:
```

Tworzenie strony subdomeny

```
9.192.168.100.108
<!DOCTYPE HTML>
<html>
  <head>
    <meta charset="utf-8">
    <title>Soft Kameleony!</title>
  </head>
  <body>
    <h1 style="color:red;">Witaj na stronie z oprogramowaniem do openSUSE!</h1>
  </body>
</html>
~
~
~
```

Konfiguracja soft.conf



```
Server {
    listen 80;
    server_name soft.kameleony.local;

    location / {
        root /srv/www/htdocs;
        index soft.html;
    }
    error_page 500 502 503 504 /50x.html;
    location = /50x.html {
        root /srv/www/htdocs;
    }
}
server {
    listen 443 ssl;
    server_name soft.kameleony.local;

    ssl_certificate /etc/ssl/certs/soft.crt;
    ssl_certificate_key /etc/ssl/private/soft.key;

    ssl_protocols TLSv1.2;

    ssl_session_cache shared:SSL:1m;
    ssl_session_timeout 5m;

    ssl_ciphers HIGH:!aNULL:!MD5;
    ssl_prefer_server_ciphers on;

    location / {
        root /srv/www/htdocs;
        index soft.html soft.htm;
    }
}
```