

Zabezpečení Proxmox VE

Reverzní proxy před pveproxy

Návod volně založen na

- <http://the-bleeding-edge.info/blog/?p=24>
- <https://www.jamescoyle.net/how-to/1522-proxy-the-proxmox-web-gui-with-nginx-over-https-with-load-balancing>

`/etc/default/pveproxy`

```
ALLOW_FROM="127.0.0.1"  
DENY_FROM="all"  
POLICY="allow"
```

`/etc/init.d/pveproxy restart`

`apt install nginx-light`

`/etc/nginx/sites-available/proxmox`

```
server {  
    listen 80;  
    server_name _;  
    return 302 https://$host$request_uri;  
}  
  
server {  
    listen 443 ssl; #choose your port or just use 443  
    server_name _; #place your domain or ip here if needed  
  
    #root /usr/share/nginx/www;  
  
    ssl_certificate /etc/letsencrypt/live/pve1.spoje.net/fullchain.pem;  
    ssl_certificate_key  
/etc/letsencrypt/live/pve1.spoje.net/privkey.pem;  
  
    proxy_redirect off;  
  
    auth_basic "SPOJE.NET VPS";  
    auth_basic_user_file /etc/nginx/.htpasswd;  
  
    #proxy_ssl_verify off; #default  
  
    location ~ ^.+websocket$ {  
        proxy_pass https://127.0.0.1:8006;
```

```
proxy_set_header Upgrade $http_upgrade;
proxy_set_header Connection "upgrade";
}

location / {
    proxy_pass https://127.0.0.1:8006;
}
}
```

```
username=virtual; echo "${username}:\`openssl passwd -apr1`" >>
/etc/nginx/.htpasswd
```

```
/etc/init.d/nginx restart
```

Spolecna nastaveni LXC

Todo: zamyslet se jestli to nepatri do /etc/lxc/default.conf

</usr/share/lxc/config/common.conf.d/99-spoje.conf>

```
#Pripojime tmpfs
lxc.mount.entry = tmpfs tmp tmpfs
defaults,nosuid,noexec,nodev,size=256M

#Omezime pocet procesu/threadu
lxc.cgroup.pids.max = 600

#Povolime tun/tap (openvpn)
lxc.cgroup.devices.allow = c 10:200 rwm
lxc.hook.autodev = sh -c "modprobe tun; cd ${LXC_ROOTFS_MOUNT}/dev;
mkdir net; mknod net/tun c 10 200; chmod 0666 net/tun"

#Povolime FUSE (pozor, ma problemy s lxc-freeze, takze zadny snapshoty,
zalohy, migrace, replikace, atd...)
#lxc.autodev: 1 #zrejme neni potreba
lxc.hook.autodev: sh -c "mknod -m 0666 ${LXC_ROOTFS_MOUNT}/dev/fuse c
10 229"
```

Po editaci tohodel souboru je vhodny zkontrolovat syntaxi treba prikazem `pct list`. Pokud je neco spatne, tak proxmox vypisuje chybovy hlasky a vsechny virtualy prestanou bejt pouzitelny a bezici se zacnou tvarit jako vypnuty!

Zakazat dmesg

pridat na konec souboru:

</usr/share/lxc/config/common.seccomp>

```
syslog errno 1
```

Pozor, soubor se prepisuje po upgradu, TODO: doresit lepsi umistení

From:

<https://wiki.spoje.net/> - **SPOJE.NET**

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<https://wiki.spoje.net/doku.php/howto/vps/proxmox-ve/security?rev=1507695777>

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