

CentOS

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??????????? IPv6

```
sudo nano /etc/defaults/grub
```

```
## GRUB_CMDLINE_LINUX="...ipv6.disable=1..."
```

```
sudo grub2-mkconfig -o /boot/grub2/grub.cfg
```

????????? update-grub

```
sudo mkdir /opt/bin  
sudo nano /opt/bin/update-grub
```

```
#!/bin/sh  
set -e  
exec grub-mkconfig -o /boot/grub/grub.cfg "$@"
```

```
sudo chmod +x /opt/bin/update-grub
```

PPTP ??????

Установить пакеты:

```
rpm -Uvh http://download.fedoraproject.org/pub/epel/beta/7/x86_64/epel-release-7-1.noarch.rpm
yum -y install ppp pptpd
```

Настроить конфиги PPTP сервера:

```
cp /etc/pptpd.conf /etc/pptpd.conf.bak
cat >/etc/pptpd.conf<<EOF
option /etc/ppp/options.pptpd
logwtmp
localip 10.0.10.1
remoteip 10.0.10.2-254
EOF

cp /etc/ppp/options.pptpd /etc/ppp/options.pptpd.bak
cat >/etc/ppp/options.pptpd<<EOF
name pptpd
refuse-pap
refuse-chap
refuse-mschap
require-mschap-v2
require-mppe-128
proxyarp
lock
nobsdcomp
novj
novjccomp
nologfd
ms-dns 8.8.8.8
ms-dns 8.8.4.4
EOF

cp /etc/ppp/chap-secrets /etc/ppp/chap-secrets.bak
cat >/etc/ppp/chap-secrets<<EOF
USERNAME pptpd PASSWORD *
```

```
EOF
```

Настроить sysctl:

```
cp /etc/sysctl.conf /etc/sysctl.conf.bak
cat >/etc/sysctl.conf<<EOF
net.core.wmem_max = 12582912
net.core.rmem_max = 12582912
net.ipv4.tcp_rmem = 10240 87380 12582912
net.ipv4.tcp_wmem = 10240 87380 12582912
net.core.wmem_max = 12582912
net.core.rmem_max = 12582912
net.ipv4.tcp_rmem = 10240 87380 12582912
net.ipv4.tcp_wmem = 10240 87380 12582912
net.core.wmem_max = 12582912
net.core.rmem_max = 12582912
net.ipv4.tcp_rmem = 10240 87380 12582912
net.ipv4.tcp_wmem = 10240 87380 12582912
net.ipv4.ip_forward = 1
EOF
sysctl -p
```

Настроить фаервол:

```
chmod +x /etc/rc.d/rc.local
echo "iptables -t nat -A POSTROUTING -s 10.0.10.0/24 -o eth0 -j MASQUERADE" >>
/etc/rc.d/rc.local
iptables -t nat -A POSTROUTING -s 10.0.10.0/24 -o eth0 -j MASQUERADE
```

Запустить сервис:

```
systemctl enable pptpd.service
systemctl start pptpd
```