

# Table of Contents

Redhat / Centos on server

1

*Set Localization*

1

*Rename ethX network*

1

*Kernel limits*

1

*File limits*

1

*Systemd*

1

*Change IO Scheduler*

2

*Disable Hugepage*

2

# Redhat / Centos on server

## Set Localization

```
localectl list-locales
localectl set-locale LANG=en_US.UTF-8
```

## Rename ethX network

```
/etc/udev/rules.d/70-persistent-net.rules
```

## Kernel limits

```
fs.aio-max-nr = 1048576
fs.file-max = 6815744
fs.inotify.max_user_watches=524288
fs.inotify.max_user_instances = 1024
kernel.sem = 250 320000 100 1280
kernel.shmmax = 4398046511104
kernel.shmmni = 4096
net.ipv4.ip_local_port_range = 9000 65500
net.core.rmem_default = 262144
net.core.rmem_max = 4194304
net.core.wmem_default = 262144
net.core.wmem_max = 1048576
net.ipv4.tcp_challenge_ack_limit = 1048576 // CVE-2016-5389
```

## File limits

```
/etc/security/limits.d/90-nproc.conf
```

```
* soft nfile 102400
* hard nfile 102400
* soft nproc 10240
* hard nproc 10240
```

[set\\_ulimit](#)

```
/etc/pam.d/common-session
/etc/pam.d/common-session-noninteractive
/etc/pam.d/login
```

```
session required pam_limits.so
```

## Systemd

```
LimitNOFILE=10000
```

## Change IO Scheduler

/boot/grub/grub.conf

```
title Red Hat Enterprise Linux Server (2.6.18-8.el5)
  root (hd0,0)
  kernel /vmlinuz-2.6.18-8.el5 ro root=/dev/sda2 elevator=deadline
  initrd /initrd-2.6.18-8.el5.img
```

## Disable Hugepage

```
cat /sys/kernel/mm/transparent_hugepage/enabled
```

grub.conf

```
transparent_hugepage=never
```

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