

CentOS/RedHat Tips

?????????

CentOS 7/8: secure-linux.sh

```
#!/usr/bin/env bash
# Author: A.Lang(alang.hsu[AT]gmail.com)
# File: secure-linux.sh
# Created by 2019/3/1
#
#
SVC_LIST=""
##### Start #####
#
## bluetooth services
bluetooth

## SELinux
auditd

## Disk Monitoring
smartd

## Linux Virtualization with KVM
libvirtd

## ABRT - Automatic Bug Reporting Tool
abrt-d
abrt-ccpp

## More Services
firewalld
avahi-daemon
#chronyd
cups
```

```

autofs
#
#
##### End #####
"

# function report_result <service name> <status>
report_result() {
    printf "%20s .....%s\n" "$1" "$2"
}

## Main program
#echo "$SVC_LIST" | sed -e '/^#/d' -e '/^$/d'
echo
echo "The following services will be disabled:"
echo "$SVC_LIST" | sed -e '/^#/d' -e '/^$/d' | while read name
do
    chkconfig $line off 2>/dev/null
    systemctl disable $name 2>/dev/null
    if [ $? -eq 0 ]; then
        report_result $name "OK"
    else
        report_result $name "***"
    fi
done

## Disable SELinux
SVC="SELinux"
sed -i 's/SELINUX=.*$/SELINUX=disabled/' /etc/selinux/config 2>/dev/null
if [ $? -eq 0 ]; then
    report_result $SVC "OK"
else
    report_result $SVC "***"
fi

echo "All done, please reboot NOW."

```

CentOS 6: secure-linux.sh

```
#!/usr/bin/env bash
# Author: A.Lang(alang.hsu[AT]gmail.com)
# File: secure-linux.sh
# Created by 2011-11-27
# Updated by 2016-11-2
#
SVC_LIST=""
##### Start #####
#
## Disable if the system is ACPI capable
apmd

## bluetooth services
bluetooth
hidd

## IR device
irda

## only needed the first time a system is configured
firstboot
readahead_early

## SELinux
auditd
setroubleshoot

## Disk Monitoring
smartd

## More Services
anacron
avahi-daemon
avahi-daemon
cups
isdn
ip6tables
iptables
iscsi
```

```

iscsid
mcstrans
pcscd
autofs
yum-updatesd
NetworkManager
#
#
##### End #####
"

# function report_result <service name> <status>
report_result() {
    printf "%20s .....%s\n" "$1" "$2"
}

## Main program
#echo "$SVC_LIST" | sed -e '/^#/d' -e '/^$/d'
echo
echo "The following services will be disabled:"
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do
    chkconfig $line off 2>/dev/null
    if [ $? -eq 0 ]; then
        report_result $line "OK"
    else
        report_result $line "***"
    fi
done

## Disable SELinux
SVC="SELinux"
sed -i 's/SELINUX=.*$/SELINUX=disabled/' /etc/selinux/config 2>/dev/null
if [ $? -eq 0 ]; then
    report_result $SVC "OK"
else
    report_result $SVC "***"
fi

```

```
echo "All done, please reboot NOW."
```

Remove virbr0 network interface

Case 1: Not using libvirtd service and virbr0 interface

```
# Stop and Disable the service
systemctl stop libvirtd.service
systemctl disable libvirtd.service

# Reboot the host to remove the virbr0 interface
systemctl reboot
```

Case 2: Using libvirtd and dont want "virbr0"

```
# List the default network set-up for the virtual machines
virsh net-list

Name          State    Autostart    Persistent
-----
default       active   yes          yes

# Destroy the network default.
virsh net-destroy default

Network default destroyed

# Permanently remove the default virtual network from the configuration.
virsh net-undefine default

Network default has been undefined

# The interface virbr0 is now gone. You can verify it in the ifconfig or ip command output.
ifconfig virbr0

virbr0: error fetching interface information: Device not found
```

Case 3: Removing virbr0 interface on running machines (non-persistence across reboots)

```
# First, list out the virtual bridge interfaces available on the system using the below command.
```

```
brctl show
```

```
bridge name      bridge id          STP enabled      interfaces
virbr0           8000.5254003008b6  yes              virbr0-nic
```

```
# Make the bridge interface down before removal.
```

```
ip link set virbr0 down
```

```
# Now, remove the bridge
```

```
brctl delbr virbr0
```

```
# check if the bridge is removed
```

```
brctl show
```

```
bridge name      bridge id          STP enabled      interfaces
```

Removing lxcbr0 interface

```
# change the below line in /etc/sysconfig/lxc. This will be effective after reboot. change the line from
```

```
USE_LXC_BRIDGE="true"
```

```
# to
```

```
USE_LXC_BRIDGE="false"
```

```
# remove the lxcbr0 bridge interface for the running system
```

```
brctl show
```

```
ip link set lxcbr0 down
```

```
brctl delbr lxcbr0
```

```
brctl show
```

New Changes to RedHat 9

Official: https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/9/html/considerations_in_adopting_rhel_9/assembly_security_considerations-in-adopting-rhel-9


```
# RHEL 8 使用 sosreport 生成报告 /var/tmp
sos report

# 指定报告生成目录 /tmp
sos report --tmp-dir /path/to/directory

## 查看帮助
# 列出可用插件
sos report -l

# 选择特定插件生成报告
sos report -n kvm,amd
```

“ sosreport ???????? <https://access.redhat.com/solutions/3592> ?

??????????

- ???????? sos_reports ????? sosreport.html ??
- [xsos](#) - Github ???

RedHat Linux ????

- [What are RHEL in-place upgrades? \(redhat.com\)](#)

FAQ

setlocale error

```
“ -bash: warning: setlocale: LC_CTYPE: cannot change locale (zh_TW.big5):
  No such file or directory
  -bash: warning: setlocale: LC_CTYPE: cannot change locale (zh_TW.big5):
  No such file or directory
```

???????????? zh_TW.big5

```
locale -a | grep zh_TW.big5
```

????????????

```
yum install glibc-all-langpacks.x86_64
```

????????????

RHEL8: Stopping the message when ssh login to the host

“ Activate the web console with: `systemctl enable --now cockpit.socket`

Solution:

```
ln -sfn /dev/null /etc/motd.d/cockpit
```

Systemd messages: Created slice, Starting Session

????? /var/log/messages ?????????????

“ Jul 24 08:50:01 example.com systemd: Created slice user-0.slice.
Jul 24 08:50:01 example.com systemd: Starting Session 150 of user root.
Jul 24 08:50:01 example.com systemd: Started Session 150 of user root.
Jul 24 09:00:01 example.com systemd: Created slice user-0.slice.
Jul 24 09:00:02 example.com systemd: Starting Session 151 of user root.
Jul 24 09:00:02 example.com systemd: Started Session 151 of user root.

?? Cron job ??? [Logs flooded with systemd messages: Created slice, Starting Session - Red Hat Customer Portal](#)

?????????(suppress)?? rsyslog????????

```
echo 'if $programname == "systemd" and ($msg contains "Starting Session" or $msg contains "Started Session" or $msg contains "Created slice" or $msg contains "Starting user-" or $msg contains "Starting User Slice of" or $msg contains "Removed session" or $msg contains "Removed slice User Slice of" or $msg contains "Stopping User Slice of") then stop'
>/etc/rsyslog.d/ignore-systemd-session-slice.conf

systemctl restart rsyslog
```

useradd errors

?? `useradd` ????????????????????

“ [sss_cache] [sysdb_domain_cache_connect] (0x0010): DB version too old [0.23], expected [0.24] for domain implicit_files!
Higher version of database is expected!
In order to upgrade the database, you must run SSSD.
Removing cache files in /var/lib/sss/db should fix the issue, but note that removing cache files will also remove all of your cached credentials.
Could not open available domains

Solution:

- KB: <https://access.redhat.com/solutions/7031304>

```
systemctl stop sssd ; rm -f /var/lib/sss/db/* ; systemctl start sssd
```

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