

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
libvirt

## ABRT - Automatic Bug Reporting Tool
abrt
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:"
echo "$SVC_LIST" | sed -e '/^#/d' -e '/^$/d' | while read line
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

1. [SSH from RHEL 9 to RHEL 6 systems does not work](#)

3. SCP not supported in RHEL 9
4. OpenSSH root password login disabled by default
5. GnuTLS no longer supports TPM 1.2
6. Support for disabling SELinux through `/etc/selinux/config` has been removed. If your scenario requires disabling SELinux, add the `selinux=0` parameter to your kernel command line.
7. Network **teams** are deprecated
8. RHEL 9 does not contain the `network-scripts` package that provided the deprecated legacy network scripts in RHEL 8. To configure network connections in RHEL 9, use **NetworkManager**.

sosreport ??????

Redhat/CentOS ? 4.6 ???

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```
# [[ sosreport [ ] ]]
```

```
yum install sos
```


--	--	--	--	--	--

#sosreport

```
# NOTE: [redacted] /tmp[redacted] sosreport-*.tar.bz2 [redacted]
```

Updated by 2023/2/1

```
# RHEL 8 sosreport /var/tmp
```

```
sos report

# [redacted] /tmp [redacted]

sos report --tmp-dir /path/to/directory

## [redacted]

# [redacted] plugins

sos report -l

# [redacted] plugins [redacted]

sos report -n kvm,amd
```

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

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

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RedHat Linux ????

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

- [What are RHEL in-place upgrades? \(redhat.com\)](https://www.redhat.com/en/what-is-rhel-in-place-upgrade)

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:

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

Revision #32

Created 16 August 2020 03:51:50 by Admin

Updated 18 May 2023 16:10:29 by Admin