

Лабораторная работа №4 по операционной системе

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Скрипт чтобы поломать [netcfg.sh](#)

```
#!/usr/bin/bash
# Lab 4 - Network Configuration and Troubleshooting

if [ "$(whoami)" != "root" ]; then
echo "You must be a root" && exit 0
fi

# Who am I? (user_name=$SUDO_USER)
for user in `ls /home` ; do
if [ $user != "lost+found" ]; then
user_name=$user
fi
done

# Create backup folder
backup_dir=/home/$user_name/.backup
/usr/bin/mkdir $backup_dir 2> /dev/null

# Create backups
/usr/bin/cp /etc/sysconfig/network $backup_dir/
/usr/bin/cp /etc/resolv.conf $backup_dir/

# Disable network initialization
grep "NETWORKING" /etc/sysconfig/network &> /dev/null
if [ $? -ne 0 ]; then
echo "NETWORKING=no" >> /etc/sysconfig/network
else
sed -i "s/NETWORKING=.*NETWORKING=no/" /etc/sysconfig/network
fi

# Remove resolver configuration file
/usr/bin/rm -f /etc/resolv.conf
# Some changes in /etc/sysconfig/network-scripts/ifcfg-*
for config in `ls /etc/sysconfig/network-scripts/ifcfg-*` ; do
if [ $config != "/etc/sysconfig/network-scripts/ifcfg-lo" ]; then
ifcfg_file=$config
fi
done
```

```

# Create backup
/usr/bin/cp $ifcfg_file $backup_dir/

# Disable DHCP
grep "BOOTPROTO" $ifcfg_file &> /dev/null
if [ $? -ne 0 ]; then
echo "BOOTPROTO=none" >> $ifcfg_file
else
sed -i "s/BOOTPROTO=.* /BOOTPROTO=none/" $ifcfg_file
fi

# Disable onboot initialization
grep "ONBOOT" $ifcfg_file &> /dev/null
if [ $? -ne 0 ]; then
echo "ONBOOT=no" >> $ifcfg_file
else
sed -i "s/ONBOOT=.* /ONBOOT=no/" $ifcfg_file
fi

# Deny changes with files
/usr/bin/chmod ugo-rw $backup_dir/*
/usr/bin/chattr +i $backup_dir/*

# Restart network service
systemctl restart NetworkManager.service

# Make me invisible (?)
me=`basename $0`
/usr/bin/cp $me .$me
/usr/bin/chmod ugo-rw .$me
/usr/bin/chattr +i .$me
/usr/bin/rm -f $me

# Reboot in 10 seconds
/usr/sbin/shutdown -r 10

```

Скрипт чтобы восстановить `recover.sh`

```
#!/usr/bin/bash

if [ "$(whoami)" != "root" ]; then
echo "You must be a root" && exit 0
fi

# Who am I? (user_name=$SUDO_USER)
for user in `ls /home` ; do
if [ $user != "lost+found" ]; then
user_name=$user
fi
done

# Find backup folder
backup_dir=/home/$user_name/.backup

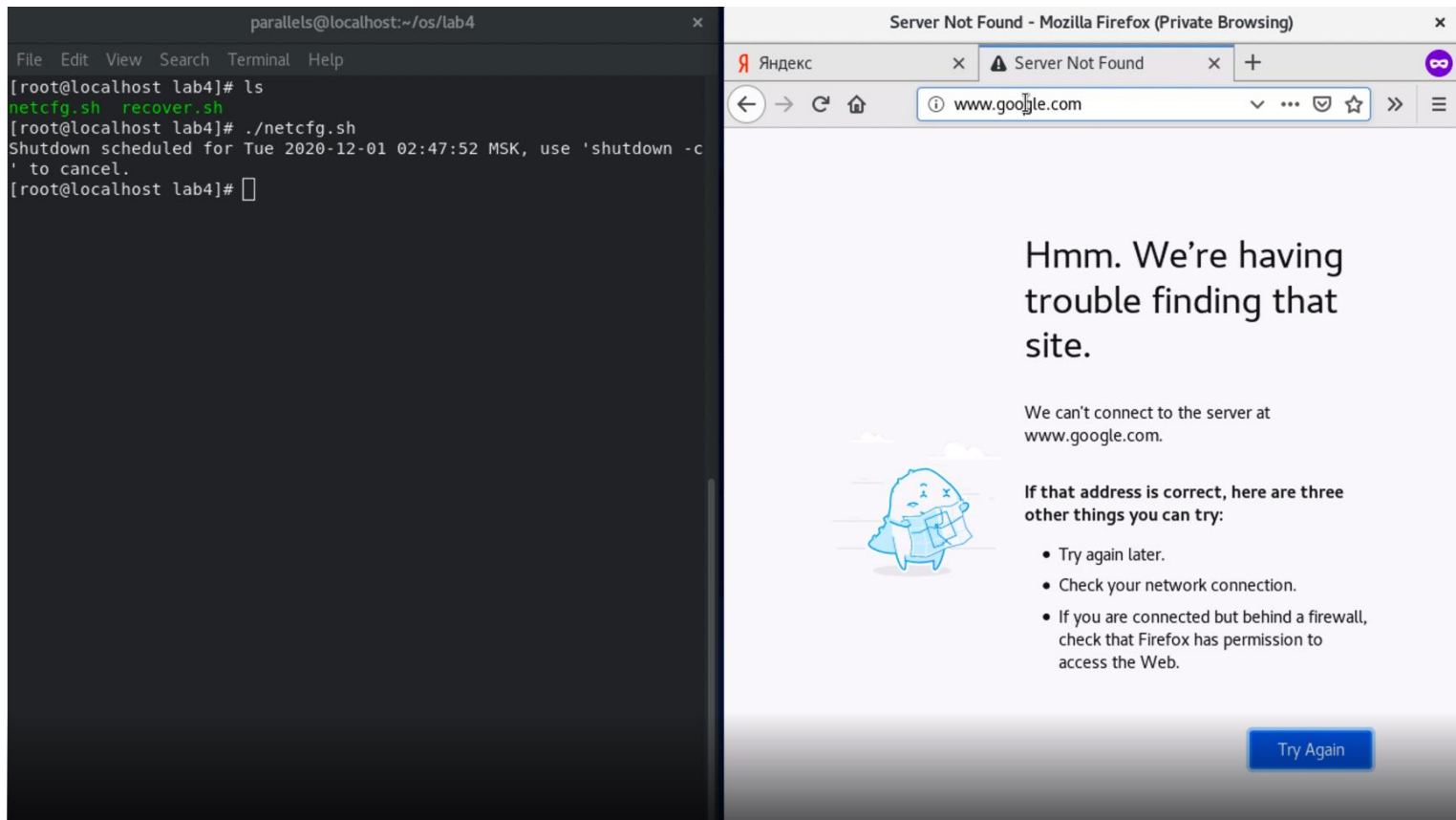
# Revert changes with files
chattr -i $backup_dir/*
chmod ugo+rw $backup_dir/*

# Recover config files from backup
cp $backup_dir/network /etc/sysconfig/
cp $backup_dir/resolv.conf /etc/

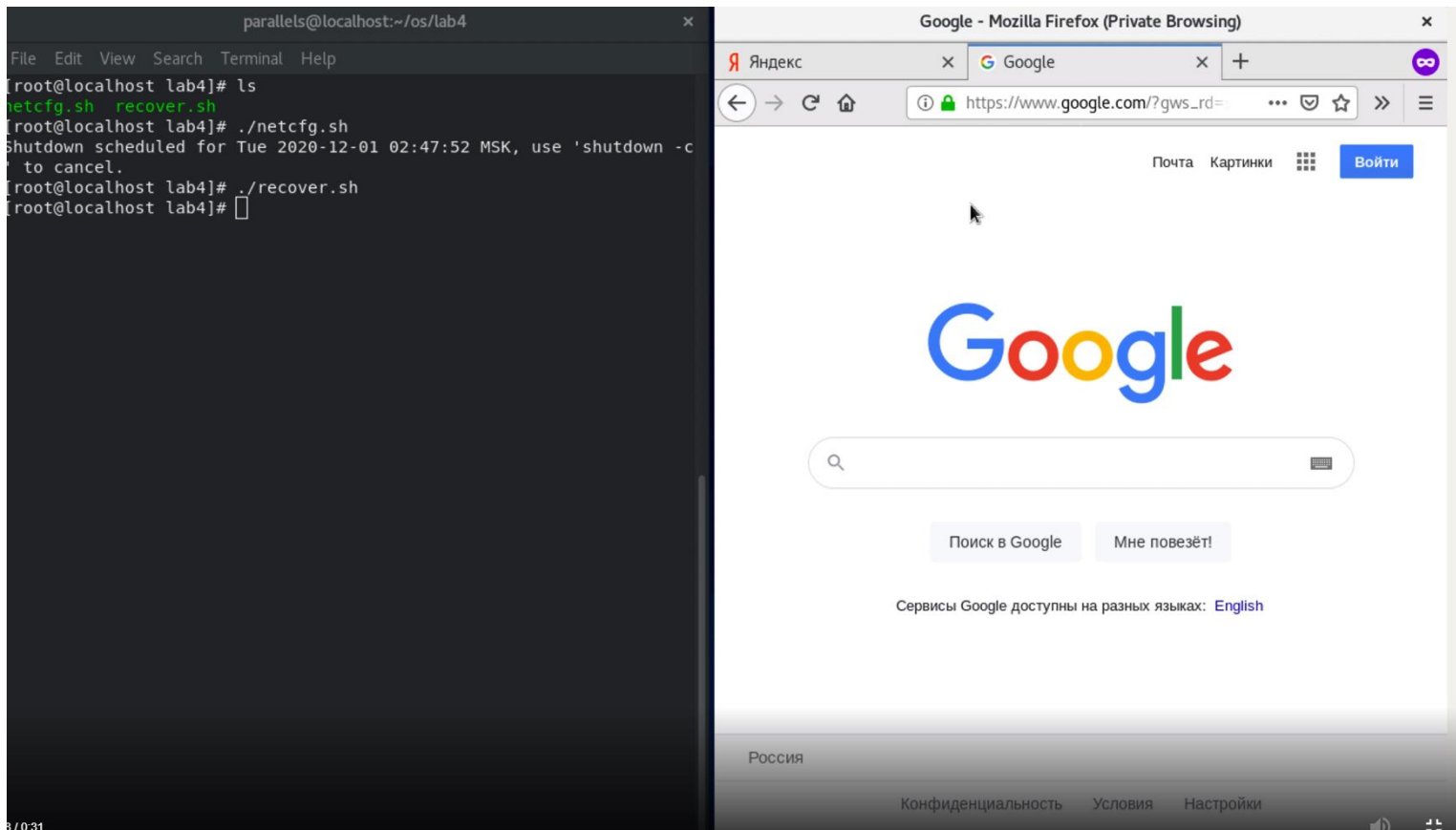
for config in `ls $backup_dir/ifcfg-*`; do
cp $config /etc/sysconfig/network-scripts/
done

# Remove bad script
chattr -i .netcfg.sh
chmod ugo+rw .netcfg.sh
rm .netcfg.sh

# Restart network service
systemctl restart NetworkManager.service
```



Начать



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