This is the clean-vm.sh script that cleans up the student's home directory and frees up space in the VM before creating a golden image.

Do not run this on a VM you are already using, as this will wipe out a number of files in the student home directory.

```bash
#!/bin/bash

echo "Removing unused packages..."
apt auto-remove -y


echo "Cleaning logs..."
# Stop logging service
service rsyslog stop
# Clear logs
logrotate -f /etc/logrotate.conf
rm /var/log/*.gz /var/log/*.1


echo "Cleaning /tmp and /var/tmp..."
rm -rf /tmp/*
rm -rf /var/tmp/*


echo "Removing SSH keys..."
rm -rf ~student/.ssh/*
rm -rf ~root/.ssh/*


echo "Removing configuration files and histories..."
rm -rf ~root/.bash_history
rm -rf ~student/.bash_history
rm -rf ~student/.mozilla/firefox
rm -rf ~student/.ipython
rm -rf ~student/.chisubmit
rm -rf ~student/.vim
rm -rf ~student/.emacs.d
rm -rf ~student/.gitconfig
rm -rf ~student/.local/share/recently-used.xbel
rm -rf ~student/.config/sublime-text-3


echo "Removing old snaps..."
# From
https://www.linuxuprising.com/2019/04/how-to-remove-old-snap-versions-to-free.html
LANG=en_US.UTF-8 snap list --all | awk '/disabled/{print $1, $3}' |
    while read snapname revision; do
        snap remove "$snapname" --revision="$revision"
    done
```

```
echo "Clearing caches..."
apt clean
rm -rf ~student/.cache
rm -rf /root/.cache
rm -rf /var/lib/apt/lists/*
rm -rf /var/lib/snapd/cache/*


echo "Adding SSH host key for mit.cs.uchicago.edu..."
ssh-keyscan -H mit.cs.uchicago.edu > ~student/.ssh/known_hosts
ssh-keyscan -H $(dig +short mit.cs.uchicago.edu) >>
~student/.ssh/known_hosts
chown -R student.student ~student/.ssh


sync
```

From:
https://howto.cs.uchicago.edu/ - **How do I?**

Permanent link:
https://howto.cs.uchicago.edu/vm:clean-vm.sh

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