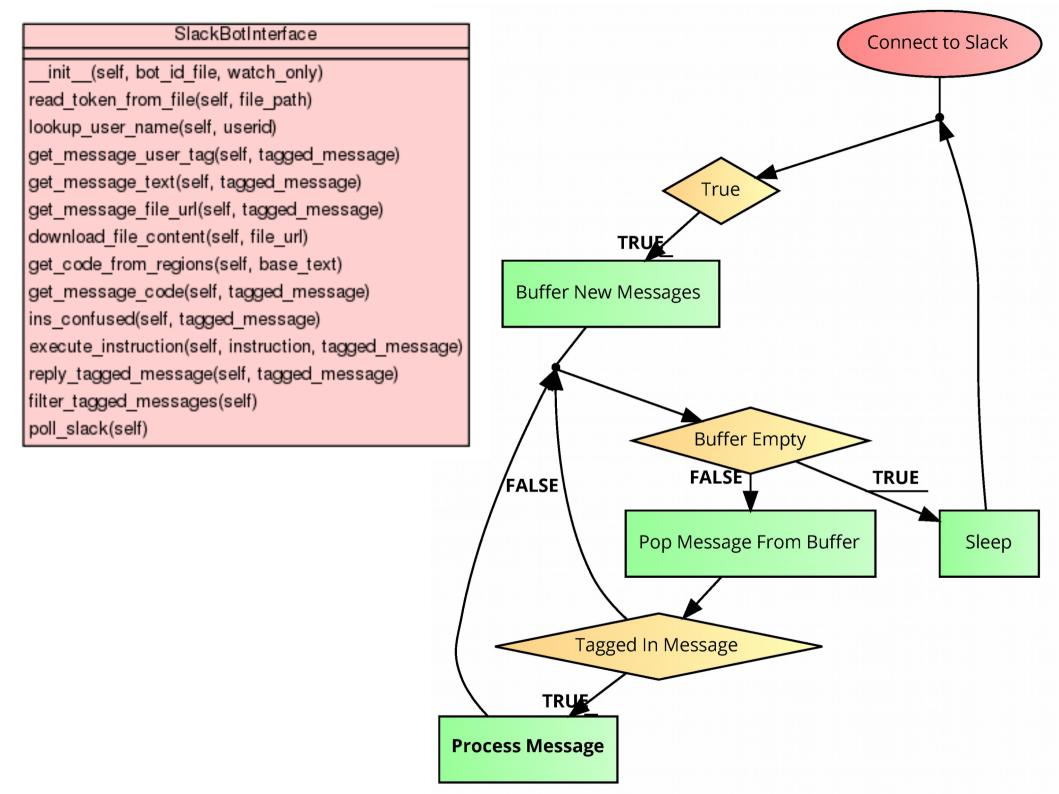
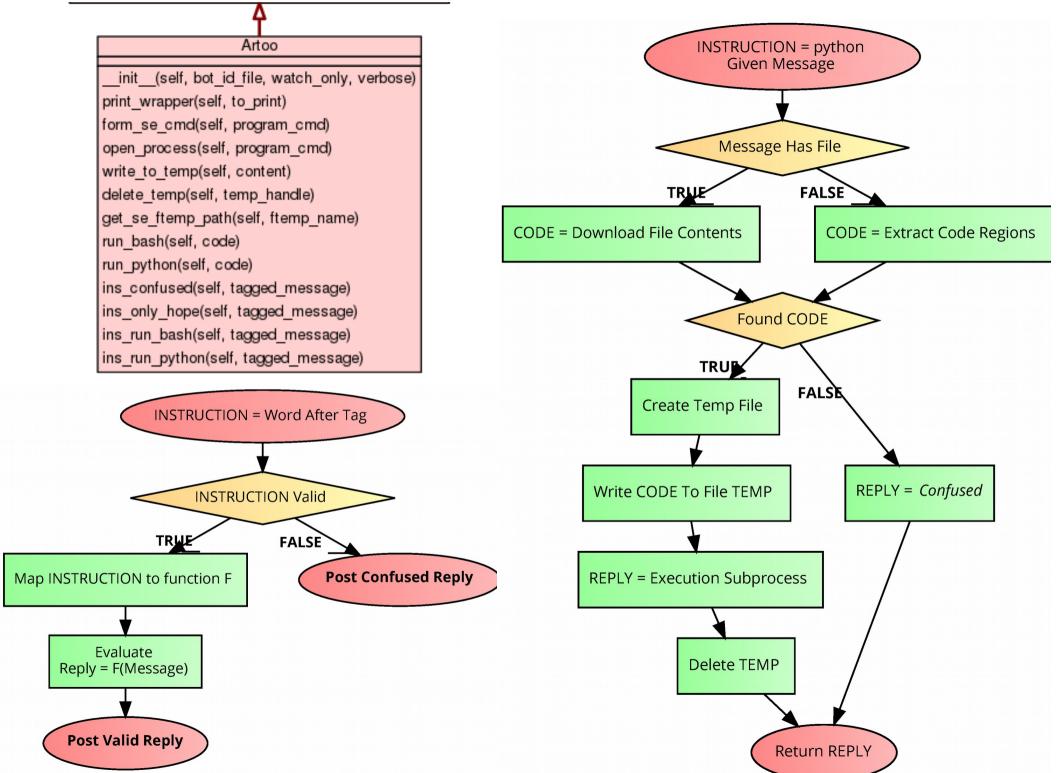
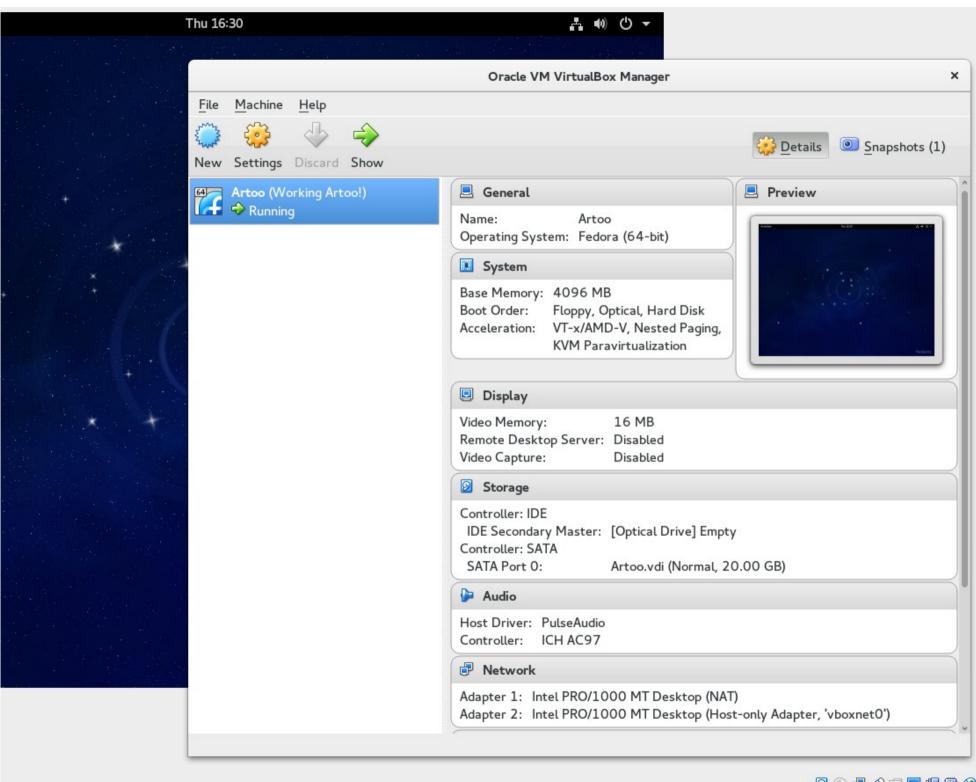
- 1. Artoo Flowchart
- 2. Subclassing the Bot Interface
- 3. Fedora Virtual Machine Tips
- 4. The SELinux Sandbox

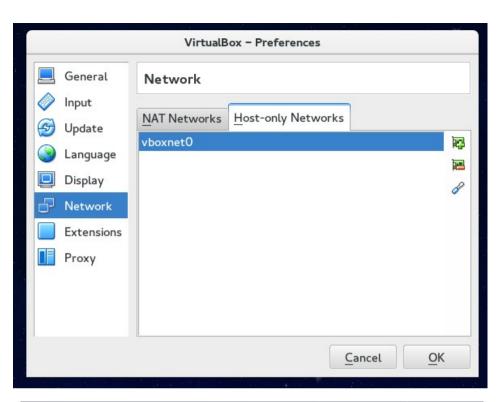


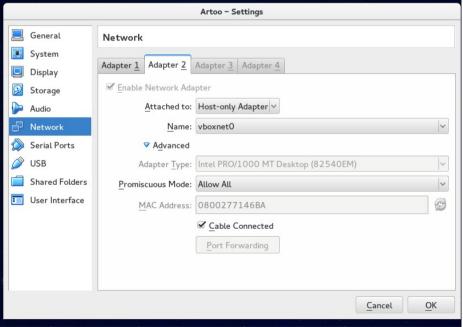


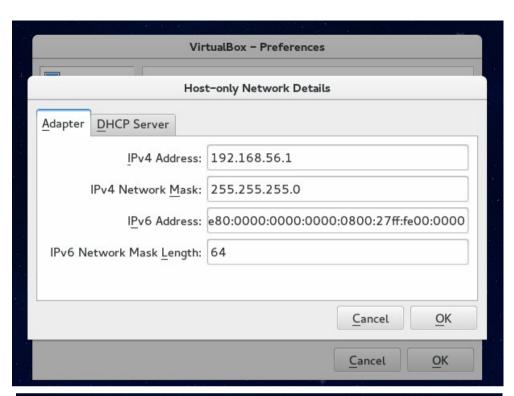


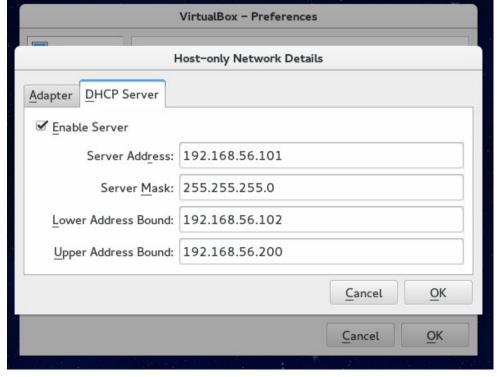
Subclassing the Bot Interface

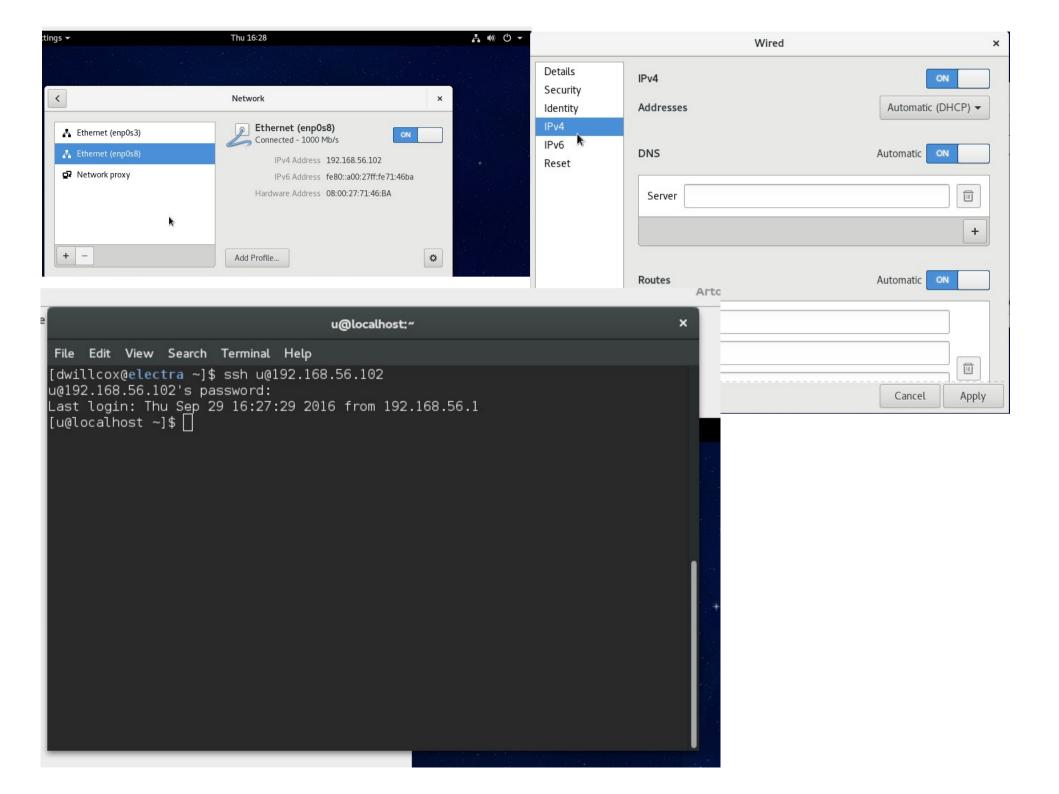












## u@localhost:/home/u

/sys/fs/selinux

/etc/selinux

enabled

targeted

enforcing

enforcing

enabled

allowed

## File Edit View Search Terminal Help

[root@localhost u]# sestatus

SELinux status:

SELinuxfs mount: SELinux root directory:

Loaded policy name:

Current mode:

Mode from confia file:

Policy MLS status:

Policy deny unknown status: Max kernel policy version:

30 [root@localhost u]# setsebool -P global ssp on

[root@localhost u]#  $\square$ 

u@localhost:/home/u

×

## File Edit View Search Terminal Help

[root@localhost u]# dnf install selinux-policy-sandbox policycoreutils-sandbox Last metadata expiration check: 0:04:07 ago on Thu Sep 29 16:35:47 2016. Dependencies resolved.

Package	Arch	Version	Repository	
				Size
:: installing:				
imlib2	x86 64	1.4.9-1.fc24	fedora	212 k
openbox	x86 <sup>-</sup> 64	3.6.1-2.fc24	fedora	320 k
openbox-libs	x86 <sup>-</sup> 64	3.6.1-2.fc24	fedora	85 k
policycoreutils-sandbox	x86 <sup>-</sup> 64	2.5-13.fc24	updates	176 k
python	x86 <sup>-</sup> 64	2.7.12-5.fc24	updates	97 k
python-libs	x86 <sup>-</sup> 64	2.7.12-5.fc24	updates	5.8 M
python-pip	noarch	8.0.2-1.fc24	fedora	1.7 M
python2-setuptools	noarch	20.1.1-1.fc24	fedora	417 k
pyxdg	noarch	0.25-8.fc24	fedora	92 k
selinux-policy-sandbox	noarch	3.13.1-191.16.fc24	updates	471 k
xorg-x11-server-Xephyr	x86_64	1.18.3-2.fc24	fedora	1.0 M
lpgrading:				
libselinux	x86_64	2.5-9.fc24	updates	163 k
libselinux-python3	x86_64	2.5-9.fc24	updates	243 k
libselinux-utils	x86_64	2.5-9.fc24	updates	158 k
libsemanage	x86_64	2.5-5.fc24	updates	149 k
libsemanage-python3	x86_64	2.5-5.fc24	updates	113 k
libsepol	x86_64	2.5-8.fc24	updates	294 k
policycoreutils	x86_64	2.5-13.fc24	updates	850 k
policycoreutils-python-utils	x86_64	2.5-13.fc24	updates	216 k
policycoreutils-python3	x86_64	2.5-13.fc24	updates	1.8 M
selinux-policy	noarch	3.13.1-191.16.fc24	updates	472 k
selinux-policy-targeted	noarch	3.13.1-191.16.fc24	updates	8.7 M

## Transaction Summary

Install 11 Packages Upgrade 11 Packages

Total download size: 23 M

Is this ok [y/N]: y

```
File Edit View Search Terminal Help
[u@localhost Artoo]$ cat sbox home/tmp/tm33
print('hello!')
[u@localhost Artoo]$ python sbox home/tmp/tm33
hello!
[u@localhost Artoo]$ which python
~/anaconda3/bin/python
[u@localhost Artoo]$ sandbox -M -H sbox home -T sbox home/tmp python tmp/tm33
Failed to execute command /home/u/anaconda3/bin/python3.5: Permission denied
[u@localhost Artoo]$ ls sbox home
anaconda3 README.md tmp
[u@localhost Artoo]$ ls sbox home/anaconda3/bin/python*
sbox home/anaconda3/bin/python
sbox home/anaconda3/bin/python3
sbox home/anaconda3/bin/python3.5-config
sbox home/anaconda3/bin/python3.5m
sbox home/anaconda3/bin/python3.5m-config
sbox home/anaconda3/bin/python3-config
sbox home/anaconda3/bin/python-argcomplete-check-easy-install-script
[u@localhost Artoo]$ ls -Z -d ~/anaconda3
unconfined u:object r:user home t:s0 /home/u/anaconda3
[u@localhost Artoo]$ ls -Z -d sbox home/anaconda3
unconfined u:object r:sandbox file t:s0:c390,c829 sbox home/anaconda3
[u@localhost Artoo]$ cat sbox home/.bashrc
# .bashrc for SELinux sandbox
echo 'Sourcing Sandboxed .bashrc!'
export PATH="/home/u/anaconda3/bin:$PATH"
[u@localhost Artoo]$ sandbox -M -H sbox home -T sbox home/tmp bash -c 'source /home/u/.bashrc &&
                                                                        which python'
Sourcing Sandboxed .bashrc!
/home/u/anaconda3/bin/python
[u@localhost Artoo]$ sandbox -M -H sbox home -T sbox home/tmp bash -c 'source /home/u/.bashrc &&
                                                                        python tmp/tm33'
Sourcing Sandboxed .bashrc!
hello!
[u@localhost Artoo]$
```