

firewalld uses wrong path of iptables and iptables-restore

 bugs.launchpad.net/ubuntu/+source/firewalld/+bug/1827144

Bug Description

The COMMANDS map in /usr/lib/python3/dist-packages/firewall/config/__init__.py contains the following paths:

```
"ipv4": "/usr/sbin/iptables",  
"ipv4-restore": "/usr/sbin/iptables-restore",  
"ipv6": "/usr/sbin/ip6tables",  
"ipv6-restore": "/usr/sbin/ip6tables-restore",
```

However, the referenced commands do not exist under these paths. Instead, __init__.py should reference the following paths:

```
"ipv4": "/sbin/iptables",  
"ipv4-restore": "/sbin/iptables-restore",  
"ipv6": "/sbin/ip6tables",  
"ipv6-restore": "/sbin/ip6tables-restore",
```

Without this change, firewalld will fail to start up when using the iptables backend. syslog will contain the following:

```
firewalld[xxxx]: WARNING: iptables-restore and iptables are missing, disabling IPv4 firewall.  
firewalld[xxxx]: WARNING: ip6tables-restore and ip6tables are missing, disabling IPv6  
firewall.  
firewalld[xxxx]: FATAL ERROR: No IPv4 and IPv6 firewall.  
firewalld[xxxx]: ERROR: Raising SystemExit in run_server
```

Observed on Kubuntu 19.04, firewalld 0.6.3-5ubuntu4

ProblemType: Bug

DistroRelease: Ubuntu 19.04

Package: firewalld 0.6.3-5ubuntu4 [modified: usr/lib/python3/dist-packages/firewall/config/__init__.py]

ProcVersionSignature: Ubuntu 5.0.0-13.14-generic 5.0.6

Uname: Linux 5.0.0-13-generic x86_64

ApportVersion: 2.20.10-0ubuntu27

Architecture: amd64

CurrentDesktop: KDE

Date: Wed May 1 00:13:40 2019

InstallationDate: Installed on 2017-05-21 (709 days ago)
InstallationMedia: Kubuntu 17.04 "Zesty Zapus" - Release amd64 (20170412)
PackageArchitecture: all
SourcePackage: firewalld
UpgradeStatus: Upgraded to disco on 2019-04-30 (0 days ago)
modified.conffile..etc.firewalld.firewalld.conf: [deleted]
modified.conffile..etc.firewalld.lockdown-whitelist.xml: [deleted]