Requirements
Various VSFTPD Fixes By Ubuntu Version

Note to EHCP Users:

If you are using a working installation of EHCP Force Edition or the normal EHCP that works without issues, be cautious when upgrading to a later version of Ubuntu. If you upgrade to a later Ubuntu version, you may run into some problems after updating. In particular, FTP (powered by VSFTPD) may not work. The reason is that the Ubuntu VSFTPD package is broken in versions 12.04 - 14.10. As new versions of Ubuntu are released, we will of course work on a fix for FTP functionality assuming the package is still broken.

The EHCP Force installer corrects all of these issues automatically during install, and so do our update & upgrade scripts.

Fix VSFTPD Problems by Ubuntu Version (To Support Virtual Users):

Whether or not you run EHCP, here are the commands you'll need to run to fix broken VSFTPD virtual user functionality depending on your Ubuntu version.

Ubuntu 12.04 (32-Bit):

```
sudo apt-get remove vsftpd
sudo dpkg --remove vsftpd
sudo add-apt-repository -y ppa:thefrontiergroup/vsftpd
sudo apt-get update
sudo apt-get install vsftpd
wget -N -O "fix_vsftpd_conf.tar.gz" http://dinofly.com/files/linux/fix
_vsftpd_conf.tar.gz
tar -zxvf fix_vsftpd_conf.tar.gz
sudo bash fix_vsftpd_conf.sh
```

Ubuntu 12.04 (64-Bit):

```
sudo apt-get remove vsftpd
sudo dpkg --remove vsftpd
sudo add-apt-repository -y ppa:thefrontiergroup/vsftpd
sudo apt-get update
sudo apt-get install vsftpd
wget -N -O "fix_vsftpd_conf.tar.gz" http://dinofly.com/files/linux/fix
_vsftpd_conf.tar.gz
tar -zxvf fix_vsftpd_conf.tar.gz
sudo bash fix_vsftpd_conf.sh
```

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Ubuntu 12.10 (32-Bit):

```
sudo apt-get remove vsftpd
sudo dpkg --remove vsftpd
wget -O "vsftpd_2.3.5-3ubuntu1.deb" http://dinofly.com/files/linux/vsf
tpd_2.3.5-3ubuntu1_i386.deb
sudo dpkg -i vsftpd_2.3.5-3ubuntu1.deb
wget -N -O "fix_vsftpd_conf.tar.gz" http://dinofly.com/files/linux/fix
_vsftpd_conf.tar.gz
tar -zxvf fix_vsftpd_conf.tar.gz
sudo bash fix_vsftpd_conf.sh
```

Ubuntu 12.10 (64-Bit):

```
sudo apt-get remove vsftpd
sudo dpkg --remove vsftpd
wget -O "vsftpd_2.3.5-3ubuntu1.deb" http://dinofly.com/files/linux/vsf
tpd_2.3.5-3.jme_amd64.deb
sudo dpkg -i vsftpd_2.3.5-3ubuntu1.deb
wget -N -O "fix_vsftpd_conf.tar.gz" http://dinofly.com/files/linux/fix
_vsftpd_conf.tar.gz
tar -zxvf fix_vsftpd_conf.tar.gz
sudo bash fix_vsftpd_conf.sh
```

Ubuntu 13.04 (32-Bit):

```
sudo apt-get remove vsftpd
sudo dpkg --remove vsftpd
wget -O "vsftpd_3.0.2-patched_ubuntu.deb" http://dinofly.com/files/lin
ux/vsftpd_3.0.2-patched_ubuntu_13.04_x86.deb
sudo dpkg -i vsftpd_3.0.2-patched_ubuntu.deb
wget -N -O "fix_vsftpd_conf.tar.gz" http://dinofly.com/files/linux/fix
_vsftpd_conf.tar.gz
tar -zxvf fix_vsftpd_conf.tar.gz
sudo bash fix_vsftpd_conf.sh
```

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Ubuntu 13.04 (64-Bit):

```
sudo apt-get remove vsftpd
sudo dpkg --remove vsftpd
wget -O "vsftpd_3.0.2-patched_ubuntu.deb" http://dinofly.com/files/lin
ux/vsftpd_3.0.2-1ubuntu1_amd64_patched.deb
sudo dpkg -i vsftpd_3.0.2-patched_ubuntu.deb
wget -N -O "fix_vsftpd_conf.tar.gz" http://dinofly.com/files/linux/fix
_vsftpd_conf.tar.gz
tar -zxvf fix_vsftpd_conf.tar.gz
sudo bash fix_vsftpd_conf.sh
```

Ubuntu 13.10 (32-Bit):

```
wget -N -O "fix_vsftpd_conf.tar.gz" http://dinofly.com/files/linux/fix
_vsftpd_conf.tar.gz
tar -zxvf fix_vsftpd_conf.tar.gz
sudo bash fix_vsftpd_conf.sh
```

Ubuntu 13.10 (64-Bit):

```
wget -N -O "fix_vsftpd_conf.tar.gz" http://dinofly.com/files/linux/fix
_vsftpd_conf.tar.gz
tar -zxvf fix_vsftpd_conf.tar.gz
sudo bash fix_vsftpd_conf.sh
```

Ubuntu 14.04 (32-Bit):

```
wget -N -O "fix_vsftpd_conf.tar.gz" http://dinofly.com/files/linux/fix
_vsftpd_conf.tar.gz
tar -zxvf fix_vsftpd_conf.tar.gz
sudo bash fix_vsftpd_conf.sh
```

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Ubuntu 14.04 (64-Bit):

```
sudo apt-get remove vsftpd
sudo dpkg --remove vsftpd
wget -N -O "vsftpd_3.0.2-1ubuntu2.deb" http://dinofly.com/files/linux/
vsftpd_3.0.2-1ubuntu2_amd64.deb
sudo dpkg -i vsftpd_3.0.2-1ubuntu2.deb
wget -N -O "fix_vsftpd_conf.tar.gz" http://dinofly.com/files/linux/fix
_vsftpd_conf.tar.gz
tar -zxvf fix_vsftpd_conf.tar.gz
sudo bash fix_vsftpd_conf.sh
```

Ubuntu 14.10 (32-Bit):

```
wget -N -O "fix_vsftpd_conf.tar.gz" http://dinofly.com/files/linux/fix
_vsftpd_conf.tar.gz
tar -zxvf fix_vsftpd_conf.tar.gz
sudo bash fix_vsftpd_conf.sh
```

Ubuntu 14.10 (64-Bit):

```
sudo apt-get remove vsftpd
sudo dpkg --remove vsftpd
wget -N -O "vsftpd_3.0.2-14ubuntu1.deb" http://www.dinofly.com/files/l
inux/vsftpd_3.0.2-14ubuntu1_amd64.deb
sudo dpkg -i vsftpd_3.0.2-14ubuntu1.deb
wget -N -O "fix_vsftpd_conf.tar.gz" http://dinofly.com/files/linux/fix
_vsftpd_conf.tar.gz
tar -zxvf fix_vsftpd_conf.tar.gz
sudo bash fix_vsftpd_conf.sh
```

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fix_vsftpd_conf.sh contents:

For those interested, the contents of the bash script fix_vsftpd_conf.sh are:

```bash
#!/bin/bash
#Author: Eric Arnol-Martin
#Updates VSFTPD configuration to allow virtual users on Ubuntu 10.04 -
 Ubuntu 14.10


##############
# FUNCTIONS  #
##############

function aptgetInstall(){

 if [ -n "$noapt" ] ; then  # skip install
  echo "skipping apt-get install for:$1"
  return
 fi


 # first, try to install without any prompt, then if anything goes wro
ng, normal install..
 cmd="apt-get -y --no-remove --allow-unauthenticated install $1"
 $cmd

 if [ $? -ne 0 ]; then
  cmd="apt-get --allow-unauthenticated install $1"
  $cmd
 fi


 PackageFailed="$?"

}

function getDistroInfo() {
  # Get distro properly
  if [ -e /etc/issue ]; then
   distro=$( cat /etc/issue | awk '{ print $1 }' )
  fi

  if [ -z "$distro" ]; then
   if [ -e /etc/os-release ]; then
    distro=$( cat os-release | grep -o "^NAME=.*" | grep -o "[^NAME=\"
].*[^\"]" )
   fi
```

```bash
  fi

  # Assume Ubuntu
  if [ -z "$distro" ]; then
   distro="ubuntu"
  else
   # Convert it to lowercase
   distro=$( echo $distro | awk '{print tolower($0)}' )
  fi

  # Get actual release version information
  version=$( cat /etc/issue | awk '{ print $2 }' )
  if [ -z "$version" ]; then
   version=$( lsb_release -r | awk '{ print $2 }' )
  fi

  # Separate year and version
  if [[ "$version" == *.* ]]; then
   yrelease=$( echo "$version" | cut -d. -f1 )
   mrelease=$( echo "$version" | cut -d. -f2 )
  fi

  # Get 64-bit OS or 32-bit OS [used in vsftpd fix]
  if [ $( uname -m ) == 'x86_64' ]; then
   OSBits=64
  else
   OSBits=32
  fi

  echo "Your distro is $distro runnning version $version"
}

function fixVSFTPConfig(){ # by earnolmartin@gmail.com
 # VSFTPD config file
 VSFTPDCONF="/etc/vsftpd.conf"

 # Check to see if the chroot_local_user setting is present
 chrootLocalCheck=$(cat "$VSFTPDCONF" | grep "chroot_local_user")
 if [ -z "$chrootLocalCheck" ]; then
  sh -c "echo 'chroot_local_user=YES' >> $VSFTPDCONF"
 else
  sed -i 's/chroot_local_user=.*/chroot_local_user=YES/g' "$VSFTPDCONF"
 fi

 # Check to see if allow writeable chroot is present
 allowWriteValue=$(cat "$VSFTPDCONF" | grep "allow_writeable_chroot")
 if [ -z "$allowWriteValue" ]; then
  sh -c "echo 'allow_writeable_chroot=YES' >> $VSFTPDCONF"
```

```
  else
   sed -i 's/allow_writeable_chroot=.*/allow_writeable_chroot=YES/g' "$
VSFTPDCONF"
 fi


 if [ $OSBits -eq "64" ]; then
  libldapFix
  aptgetInstall libgcc1

  # 64-bit 500 OOPS: priv_sock_get_cmd Fix
  # seccomp_sandbox=NO
  allowSandBox=$(cat "$VSFTPDCONF" | grep "seccomp_sandbox")
  if [ -z "$allowSandBox" ]; then
   if [ "$yrelease" -ge "13" ] ; then
    sh -c "echo 'seccomp_sandbox=NO' >> $VSFTPDCONF"
   fi
  else
   sed -i 's/seccomp_sandbox=.*/seccomp_sandbox=NO/g' "$VSFTPDCONF"
  fi
 fi


 # Restart the VSFTPD service
 service vsftpd restart
}

function libldapFix(){ # by earnolmartin@gmail.com
 # install libldap, for vsftpd fix, without prompts
 DEBIAN_FRONTEND=noninteractive apt-get -y install libpam-ldap
 wget -N -O "ldap_conf.tar.gz" http://dinofly.com/files/linux/ldap_con
f_64bit_vsftpd.tar.gz
 tar -zxvf ldap_conf.tar.gz
 cp ldap.conf /etc/
}

##############
# Main App   #
##############
getDistroInfo
fixVSFTPConfig
```

Unique solution ID: #1002
Author: Eric
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