

# Pulse Secure Virtual Traffic Manager: Appliance License Acknowldgements

Supporting Pulse Secure Virtual Traffic Manager 20.3r1

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#### www.pulsesecure.net

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# Preface

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## **Document conventions**

The document conventions describe text formatting conventions, command syntax conventions, and important notice formats used in Pulse Secure technical documentation.

### Text formatting conventions

Text formatting conventions such as boldface, italic, or Courier font may be used in the flow of the text to highlight specific words or phrases.

Format	Description
bold text	Identifies command names
	Identifies keywords and operands
	Identifies the names of user-manipulated GUI elements
	Identifies text to enter at the GUI
italic text	Identifies emphasis
	Identifies variables
	Identifies document titles
Courier Font	Identifies command output
	Identifies command syntax examples

### Command syntax conventions

Bold and italic text identify command syntax components. Delimiters and operators define groupings of parameters and their logical relationships.

Convention	Description
bold text	Identifies command names, keywords, and command options.
italic text	Identifies a variable.
[]	Syntax components displayed within square brackets are optional.
	Default responses to system prompts are enclosed in square brackets.

Convention	Description
{ <b>x</b>   <b>y</b>   <b>z</b> }	A choice of required parameters is enclosed in curly brackets separated by vertical bars. You must select one of the options.
x   y	A vertical bar separates mutually exclusive elements.
< >	Non-printing characters, for example, passwords, are enclosed in angle brackets.
	Repeat the previous element, for example, member[member].
\	Indicates a "soft" line break in command examples. If a backslash separates two lines of a command input, enter the entire command at the prompt without the backslash.

#### **Notes and Warnings**

Note, Attention, and Caution statements might be used in this document.

Note: A Note provides a tip, guidance, or advice, emphasizes important information, or provides a reference to related information.

#### ATTENTION

An Attention statement indicates a stronger note, for example, to alert you when traffic might be interrupted or the device might reboot.

#### CAUTION

A Caution statement alerts you to situations that can be potentially hazardous to you or cause damage to hardware, firmware, software, or data.

## **Requesting Technical Support**

Technical product support is available through the Pulse Secure Global Support Center (PSGSC). If you have a support contract, file a ticket with PSGSC.

 Product warranties—For product warranty information, visit https://support.pulsesecure.net/productservice-policies/

### Self-Help Online Tools and Resources

For quick and easy problem resolution, Pulse Secure provides an online self-service portal called the Customer Support Center (CSC) that provides you with the following features:

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- Search for known bugs: https://support.pulsesecure.net
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- Download the latest versions of software and review release notes: https://support.pulsesecure.net
- Open a case online in the CSC Case Management tool: https://support.pulsesecure.net

• To verify service entitlement by product serial number, use our Serial Number Entitlement (SNE) Tool: https://support.pulsesecure.net

For important product notices, technical articles, and to ask advice:

- Search the Pulse Secure Knowledge Center for technical bulletins and security advisories: https:// kb.pulsesecure.net
- Ask questions and find solutions at the Pulse Community online forum: https:// community.pulsesecure.net

## **Opening a Case with PSGSC**

You can open a case with PSGSC on the Web or by telephone.

- Use the Case Management tool in the PSGSC at https://support.pulsesecure.net.
- Call 1-844 751 7629 (Toll Free, US).

For international or direct-dial options in countries without toll-free numbers, see https://support.pulsesecure.net/support/support-contacts/

# Introduction

The Pulse Secure Virtual Traffic Manager (Traffic Manager) product family is available in a variety of software and appliance configurations. All configurations share the same core Traffic Manager software, but different versions may provide different levels of functionality depending on the enabling license key.

Traffic Manager appliance and cloud variants share a common Operating System (OS) layer that is packaged up with the Traffic Manager software to form the appropriate product or solution. This OS is comprised of a number of third party packages mostly derived from the Ubuntu Linux distribution.

This document is intended to list and attribute all third party software packages used in all variants of the Appliance OS. It does not list third party packages used in the Traffic Manager software component; for these, see instead the *Pulse Secure Virtual Traffic Manager: User's Guide*.

This manual describes the licenses for version 20.3r1.

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### **Unmodified Packages**

acpid adduser adwaita-icon-theme apt apt apt-utils aptitude aptitude aptitude-common base-files base-passwd bash bind9-host binutils binutils-common binutils-x86-64-linux-gnu bsdmainutils

bsdutils	
busybox-initramfs	
bzip2	
ca-certificates	
ca-certificates-java	
cloud-guest-utils	
console-setup	
console-setup-linux	
coreutils	
cpio	
cron	
curl	
dash	
dbus	
debconf	
debconf-i18n	
debianutils	
diffutils	
distro-info-data	
dmidecode	
dmsetup	
dnsutils	
dpkg	
e2fsprogs	
eject	
ethtool	
fail2ban	

fdisk
file
findutils
fontconfig
fontconfig-config
fonts-dejavu-core
freeipmi-common
ftp
gcc-8-base
gce-compute-image-packages
gdb
gdbserver
gettext-base
gir1.2-glib-2.0
google-compute-engine-oslogin
gpg
gpgconf
gpgv
grep
groff-base
grub-common
grub-gfxpayload-lists
grub-pc
grub-pc-bin
grub2
grub2-common
gtk-update-icon-cache

gzip
hdparm
hicolor-icon-theme
hostname
humanity-icon-theme
hwloc
ifenslave
ifupdown
init
init-system-helpers
initramfs-tools
initramfs-tools-bin
initramfs-tools-core
ipmitool
iproute2
iptables
iputils-ping
iputils-tracepath
irqbalance
isc-dhcp-client
isc-dhcp-common
iso-codes
java-common
kbd
keyboard-configuration
klibc-utils
kmod

less
libacl1
libapparmor1
libapt-inst2.0
libapt-pkg5.0
libargon2-0
libasn1-8-heimdal
libasound2
libasound2-data
libassuan0
libasyncns0
libatk-bridge2.0-0
libatk-wrapper-java
libatk-wrapper-java-jni
libatk1.0-0
libatk1.0-data
libatm1
libatspi2.0-0
libattr1
libaudit-common
libaudit1
libavahi-client3
libavahi-common-data
libavahi-common3
libbabeltrace1
libbind9-160
libbinutils

libblkid1
libboost-filesystem1.65.1
libboost-iostreams1.65.1
libboost-system1.65.1
libbsd0
libbz2-1.0
libc-bin
libc-dev-bin
libc6
libc6-dev
libcairo2
libcap-ng0
libcap2
libcap2-bin
libcom-err2
libcomerr2
libcroco3
libcryptsetup12
libcups2
libcurl4
libcwidget3v5
libdatrie1
libdb5.3
libdbus-1-3
libdebconfclient0
libdevmapper1.02.1
libdns-export1100

#### libdns1100

libdrm-amdgpu1

libdrm-common

libdrm-intel1

libdrm-nouveau2

libdrm-radeon1

libdrm2

libdw1

libedit2

libelf1

libestr0

libexpat1

libext2fs2

libfastjson4

libfdisk1

libffi6

libfile-copy-recursive-perl

libflac8

libfontconfig1

libfontenc1

libfreeipmi16

libfreetype6

libfribidi0

libfuse2

libgc1c2

libgcc1

libgcrypt20

libgdbm-compat4 libgdbm5 libgdk-pixbuf2.0-0 libgdk-pixbuf2.0-common libgeoip1 libgif7 libgirepository-1.0-1 libgl1 libgl1-mesa-dri libgl1-mesa-glx libglapi-mesa libglib2.0-0 libglib2.0-data libglvnd0 libglx-mesa0 libglx0 libgmp10 libgnutls30 libgpg-error0 libgraphite2-3 libgssapi-krb5-2 libgssapi3-heimdal libgtk2.0-0 libgtk2.0-common libharfbuzz0b libhcrypto4-heimdal libheimbase1-heimdal

libheimntlm0-heimdal

libhogweed4

libhwloc5

libhx509-5-heimdal

libice6

libicu60

libidn11

libidn2-0

libip4tc0

libip6tc0

libiptc0

libirs160

libisc-export169

libisc169

libisccc160

libisccfg160

libjbig0

libjpeg-turbo8

libjpeg8

libjson-c3

libjson-perl

libk5crypto3

libkeyutils1

libklibc

libkmod2

libkrb5-26-heimdal

libkrb5-3

libkrb5support0
liblcms2-2
libldap-2.4-2
libldap-common
libllvm10
liblocale-gettext-perl
liblockfile-bin
liblockfile1
libltdl7
liblwres160
liblz4-1
liblzma5
libmagic-mgc
libmagic1
libmnl0
libmount1
libmpdec2
libmpfr6
libmspack0
libncurses5
libncursesw5
libnet-http-perl
libnet-ssleay-perl
libnetfilter-conntrack3
libnetplan0
libnettle6
libnewt0.52

libnghttp2-14

libnspr4

libnss-systemd

libnss3

libnuma1

libodbc1

libogg0

libopts25

libp11-kit0

libpam-cap

libpam-modules

libpam-modules-bin

libpam-runtime

libpam-systemd

libpam0g

libpango-1.0-0

libpangocairo-1.0-0

libpangoft2-1.0-0

libparted2

libpcap0.8

libpci-dev

libpci3

libpciaccess0

libpcre3

libpcsclite1

libperl5.26

libpipeline1
libpixman-1-0
libpng16-16
libpopt0
libprocps6
libpsl5
libpulse0
libpython-stdlib
libpython2.7-minimal
libpython2.7-stdlib
libpython3-stdlib
libpython3.6
libpython3.6-minimal
libpython3.6-stdlib
libreadline5
libreadline7
librecode0
libroken18-heimdal
librsvg2-2
librsvg2-common
librtmp1
libsasl2-2

libsasl2-modules-db

libseccomp2

libselinux1

libsemanage-common

libsemanage1

libsensors4-dev

libsepol1

libsigc++-2.0-0v5

libslang2

libsm6

libsmartcols1

libsndfile1

libsqlite3-0

libss2

libssl-dev

libssl1.0.0

libssl1.1

libstdc++6

libsysfs2

libsystemd0

libtasn1-6

libtext-charwidth-perl

libtext-iconv-perl

libtext-wrapi18n-perl

libthai-data

libthai0

libtiff5

libtinfo5

libudev-dev

libudev1

libunistring2

libunwind8 liburi-perl libusb-1.0-0 libutempter0
libusb-1.0-0
libutempter0
libuuid1
libvorbis0a
libvorbisenc2
libwind0-heimdal
libwrap0
libwrap0-dev
libx11-6
libx11-data
libx11-xcb1
libxapian30
libxau6
libxaw7
libxcb-dri2-0
libxcb-dri3-0
libxcb-glx0
libxcb-present0
libxcb-render0
libxcb-shape0
libxcb-shm0
libxcb-sync1
libxcb1
libxcomposite1

libxcursor1

libxd	ama	ge1
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- libxdmcp6
- libxext6

libxfixes3

libxft2

libxi6

libxinerama1

libxml2

libxmlsec1

libxmlsec1-openssl

libxmu6

libxmuu1

libxpm4

libxrandr2

libxrender1

libxshmfence1

libxslt1.1

libxt6

libxtables12

libxtst6

libxv1

libxxf86dga1

libxxf86vm1

libyaml-0-2

libzstd1

lilo

linux-base

linux-libc-dev
lm-sensors
locales
lockfile-progs
login
logrotate
lsb-base
lsb-release
lsof
ltrace
man-db
mawk
mdadm
memtest86+
mime-support
mount
multiarch-support
nano
ncurses-base
ncurses-bin
net-tools
netbase
netcat-openbsd
netcat-traditional
netplan.io
networkd-dispatcher
nplan

ntp		
ntpdate		
odbcinst		
odbcinst1debian2		
open-vm-tools		
openjdk-8-jdk		
openjdk-8-jdk-headless		
openjdk-8-jre		
openjdk-8-jre-headless		
openssl		
parted		
passwd		
pciutils		
perl		
perl-base		
perl-modules-5.26		
perl-openssl-defaults		
procps		
psmisc		
python		
python-apt-common		
python-certifi		
python-chardet		
python-idna		
python-lockfile		
python-minimal		
python-pkg-resources		

- python-pyasn1
- python-pystache
- python-requests
- python-setuptools
- python-six
- python-urllib3
- python2.7
- python2.7-minimal
- python3
- python3-apt
- python3-asn1crypto
- python3-blinker
- python3-certifi
- python3-cffi-backend
- python3-chardet
- python3-configobj
- python3-cryptography
- python3-dbus
- python3-gi
- python3-google-compute-engine
- python3-idna
- python3-jinja2
- python3-json-pointer
- python3-jsonpatch
- python3-jsonschema
- python3-jwt
- python3-markupsafe

python3-minimal

python3-netifaces

python3-oauthlib

python3-pkg-resources

python3-requests

python3-serial

python3-six

python3-software-properties

python3-urllib3

python3-yaml

python3.6

python3.6-minimal

qemu-guest-agent

readline-common

recode

rsync

rsyslog

screen

sed

sensible-utils

setserial

shared-mime-info

smartmontools

socat

software-properties-common

strace

sudo

sysstat
systemd
systemd-sysv
sysvinit-utils
tar
tcpdump
telnet
traceroute
tzdata
ubuntu-advantage-tools
ubuntu-keyring
ubuntu-minimal
ubuntu-mono
ucf
udev
unixodbc
unzip
update-inetd
usbutils
util-linux
uuid-runtime
vim-common
vim-tiny
vlan
walinuxagent
wget
whiptail

#### x11-common

x11-utils

xdg-user-dirs

xe-guest-utilities

xkb-data

xxd

xz-utils

zile

zlib1g

zlib1g-dev

## **Modified Packages**

cloud-init

libpam-script

libsnmp-base

libsnmp-dev

libsnmp30

linux-cloud-tools-4.15.0-128

linux-cloud-tools-common

linux-tools-4.15.0-128

linux-tools-common

openssh-client

openssh-server

openssh-sftp-server

snmp

snmpd

ssh

tripwire

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# google-cloud-sdk

Version: 297.0.1

Package Source URL: https://dl.google.com/dl/cloudsdk/channels/rapid/downloads/google-cloud-sdk-297.0.1-linux-x86\_64.tar.gz

License summary: Apache 2.0

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# ipaddress

Version: 1.0.16

License summary:

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Version: 4.15.0-128.131zeus1

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gae_ext_runtime
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google_auth_oauthlib
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httplib2
httplib2shim
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portpicker
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