

# Pulse Secure Virtual Traffic Manager: Appliance License Acknowldgements

Supporting Pulse Secure Virtual Traffic Manager 20.1

Product Release 20.1

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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
{ x   y   z }	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.

#### CALITION

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/product-service-policies/

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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:

- Find CSC offerings: https://support.pulsesecure.net
- Search for known bugs: https://support.pulsesecure.net
- Find product documentation: https://www.pulsesecure.net/techpubs
- 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 20.1.

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#### **Unmodified Packages**

acpid

adduser

adwaita-icon-theme

apt

apt-utils

aptitude

aptitude-common

base-files

base-passwd

bash

bind9-host

binutils

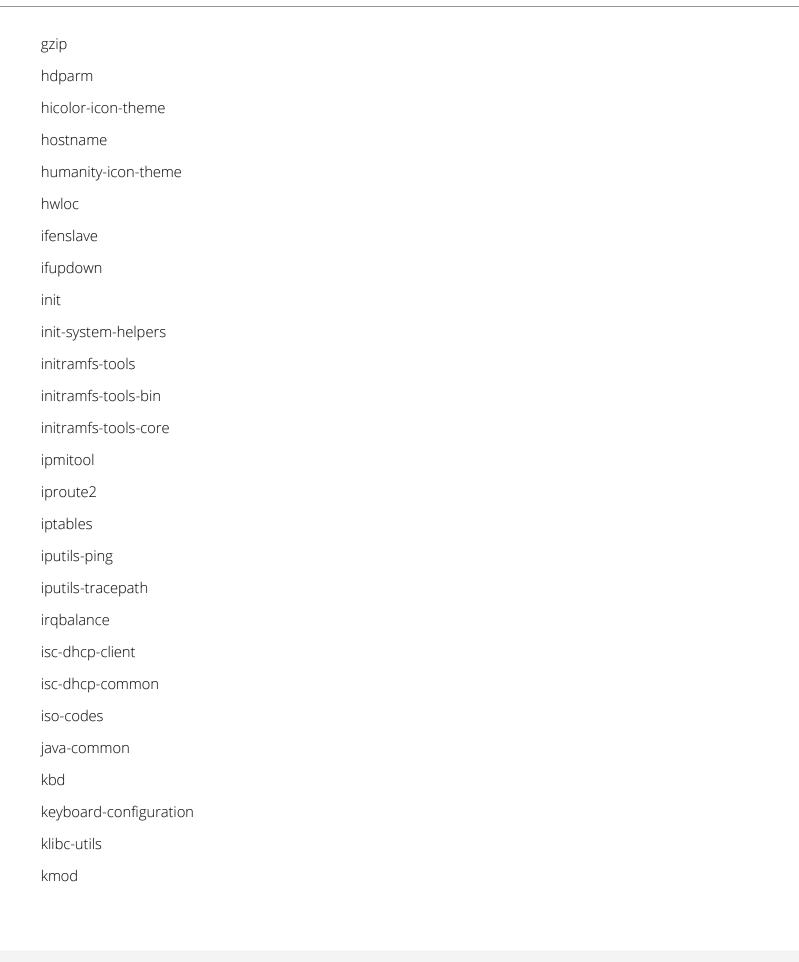
binutils-common

binutils-x86-64-linux-gnu

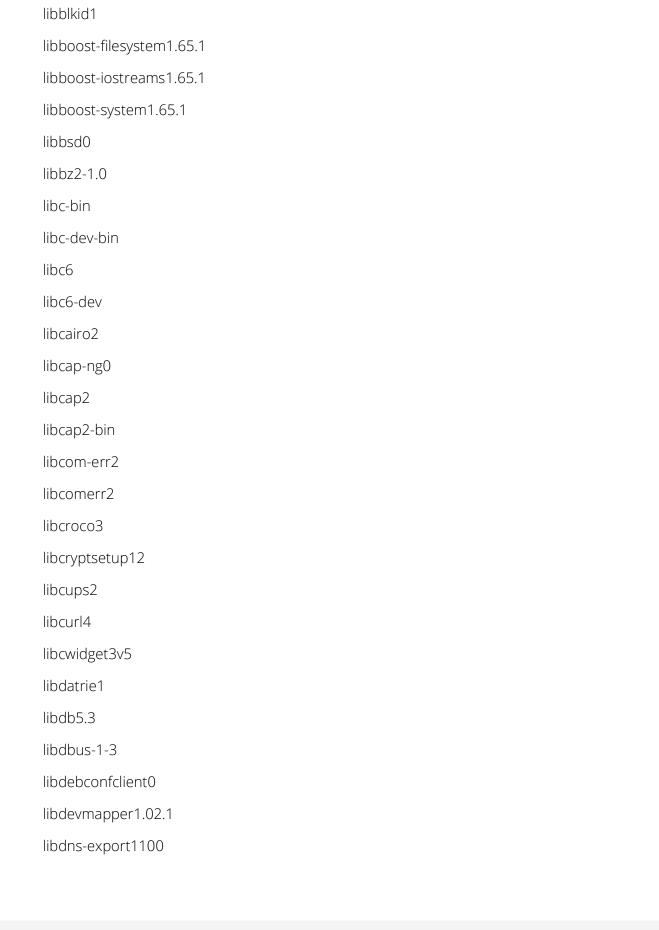
bsdmainutils

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

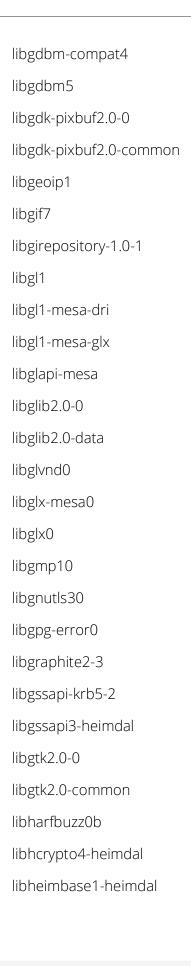
fdisk file findutils fontconfig fontconfig-config fonts-dejavu-core freeipmi-common ftp gcc-8-base gce-compute-image-packages gdb gdbserver gettext-base gir1.2-glib-2.0 google-compute-engine-oslogin gpg gpgconf gpgv grep groff-base grub-common grub-gfxpayload-lists grub-pc grub-pc-bin grub2 grub2-common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



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



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	



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			
libllvm9			
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			
libnettle6			
libnewt0.52			
libnfnetlink0			

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	

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
libudev1 libunistring2

liburi-perl
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
libxdamage1

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

Im-sensors
locales
lockfile-progs
login
logrotate
lsb-base
lsb-release
Isof
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



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-4.15.0-74 linux-cloud-tools-common linux-tools-4.15.0-74 linux-tools-common openssh-client openssh-server openssh-sftp-server snmp snmpd ssh

tripwire

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#### aws-cfn-bootstrap

Version: 1.4

License summary: Apache 2.0

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Version 2.0, January 2004

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### google-cloud-sdk

Version: 237.0.0

Package Source URL: https://dl.google.com/dl/cloudsdk/channels/rapid/downloads/google-cloud-sdk-237.0.0-linux-x86\_64.tar.gz

License summary: Apache 2.0

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# ipaddress

Version: 1.0.16

License summary:

The following license text applies:

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linux-cloud-tools-4.15.0-74-hadc-vmware

Version: 4.15.0-74.84zeus1

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Version: 4.15.0-74.84zeus1

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### linux-tools-4.15.0-74-stm-azure

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# linux-tools-4.15.0-74-stm-gce

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slabinfo

Version: 0.1-zeus2

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It installs the slabinfo command built from the

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