

Hitachi Content Platform

8.1

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Preface

The Appliance Operating System and the **Hitachi Content Platform** (**HCP**) software incorporate third-party software from a number of vendors. This book contains the copyright and license information for that software.

Intended audience

This book is intended for all HCP users.

Product version

This book applies to release 8.1 of HCP.

Release notes

Read the release notes before installing and using this product. They may contain requirements or restrictions that are not fully described in this document or updates or corrections to this document. Release notes are available on Hitachi Vantara Support Connect:

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Related documents

The following documents contain additional information about Hitachi Content Platform:

HCP System Management Help — This Help system is a comprehensive • guide to administering and using an HCP system. The Help contains complete instructions for configuring, managing, and maintaining HCP system-level and tenant-level features and functionality. The Help also

describes the properties of objects stored in HCP namespaces and explains how to access those objects.

- HCP Tenant Management Help This Help system contains complete instructions for configuring, managing, and maintaining HCP namespaces. The Help also describes the properties of objects stored in HCP namespaces and explains how to access those objects.
- Managing the Default Tenant and Namespace This book contains complete information for managing the default tenant and namespace in an HCP system. The book provides instructions for changing tenant and namespace settings, configuring the protocols that allow access to the namespace, managing search and indexing, and downloading the installation files for HCP Data Migrator. The book also explains how to work with retention classes and the privileged delete functionality.
- Using the Default Namespace This book describes the file system HCP uses to present the contents of the default namespace. This book provides instructions for using HCP-supported protocols to store, retrieve, and deleting objects, as well as changing object metadata such as retention and shred settings.
- Using HCP Data Migrator This book contains the information you need to install and use HCP Data Migrator (HCP-DM), a utility that works with HCP. This utility enables you to copy data between local file systems, namespaces in HCP, and earlier HCAP archives. It also supports bulk delete operations and bulk operations to change object metadata. Additionally, it supports associating custom metadata and ACLs with individual objects. The book describes both the interactive window-based interface and the set of command-line tools included in HCP-DM.
- Installing an HCP System This book provides the information you need to install the software for a new HCP system. It explains what you need to know to successfully configure the system and contains step-by-step instructions for the installation procedure.
- Deploying an HCP-VM System on ESXi This book contains all the information you need to install and configure an HCP-VM system. The book also includes requirements and guidelines for configuring the VMWare[®] environment in which the system is installed.

- Deploying an HCP-VM System on KVM This book contains all the information you need to install and configure an HCP-VM system. The book also includes requirements and guidelines for configuring the KVM environment in which the system is installed.
- *HCP-DM Third-Party Licenses and Copyrights* This book contains copyright and license information for third-party software distributed with or embedded in HCP Data Migrator.
- Installing an HCP RAIN System Final On-site Setup This book contains instructions for deploying an assembled and configured HCP RAIN system at a customer site. It explains how to make the necessary physical connections and reconfigure the system for the customer computing environment. The book also provides instructions for assembling the components of an HCP RAIN system that was ordered without a rack and for configuring Hi-Track Monitor to monitor the nodes in an HCP system.
- Installing an HCP SAIN System Final On-site Setup This book contains instructions for deploying an assembled and configured singlerack HCP SAIN system at a customer site. It explains how to make the necessary physical connections and reconfigure the system for the customer computing environment. It also contains instructions for configuring Hi-Track[®] Monitor to monitor the nodes in an HCP system.

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Thank you!

1

Introduction

The Appliance Operating System is based on the open source operating system, Fedora 25, from the Fedora Project (<u>http://fedoraproject.org</u>). It also includes several additional open source software packages.

The HCP software incorporates multiple open source software packages and two proprietary third-party components.

Unless otherwise indicated in this book, open source and third-party software is used without modification.

To obtain any of the open source software packages mentioned in this book, please contact:

Project manager, HCP Hitachi Vantara Corporation 2845 Lafayette Street Santa Clara, CA 95050-2627

Hitachi Vantara gratefully acknowledges the contributions of the open source community in the development of the Appliance Operating System and HCP software.

Chapter 1: Introduction

2

Unmodified Fedora components

This chapter contains a table of unmodified Fedora packages used in the Appliance Operating System. The packages are broken out by the licenses that apply to them. Under each license, the packages are presented in alphabetical order. For each package, the table shows the package version, Fedora release, and copyright (where required).

Note: The Fedora binary distribution on which the Appliance Operating System is based does not provide the required copyright notices for included BSD-licensed software. The copyright notices listed in this chapter were generated using in-house automated processes to scan the source code provided by the Fedora Project. Every effort has been made to find as many of these notices as possible. However, variations in how the notices are expressed in the source code create the possibility that some notices were missed.

If this chapter is missing expected copyright notices, please verify their presence in the Fedora upstream source RPMs. Then notify the HCP product manager of the issue. For the product manager contact information, "Chapter 1: Introduction" on page 11.

For a list of the modified Fedora packages used in the HCP Appliance Operating System, <u>Chapter 3: "Appliance Operating System third-party</u> <u>components"</u>.

For the text of the licenses identified in this section, <u>Chapter 5: "Licenses</u> for third-party components".

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python2-setuptools	25.1.1	1.fc25	
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device-mapper- multipath-libs	0.4.9	83.hcp800			
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procps-ng	3.3.10	11.fc24	

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GPLv2 (see "GNU General Pu	blic License, Version 2+	- (GPLv2+)" on page 58	37)
MAKEDEV	3.24	17.fc24	
chkconfig	1.8	1.fc25	
conntrack-tools	1.4.3	1.fc25	
device-mapper	1.02.136	3.fc25	
device-mapper- event	1.02.136	3.fc25	
e2fsprogs	1.43.3	1.fc25	
ethtool	4.13	1.fc25	
initscripts	9.69	1.1.hcp800	
irqbalance	1.1.0	3.fc24	
kexec-tools	2.0.13	7.hcp800.3.1	
libcap	2.25	2.fc25	
libnetfilter_cthelper	1.0.0	9.fc24	
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lvm2	2.02.167	3.fc25	
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ndisc6	1.0.3	2.fc25	

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acl	2.2.52	13.fc25	
асрі	1.7	5.fc24	
acpid	2.0.28	2.fc25	
attr	2.4.47	16.fc24	
bash-completion	2.5	1.fc25	
bc	1.06.95	16.fc24	
dmidecode	3.1	1.fc25	
grubby	8.40	3.fc24	
hostname	3.15	8.fc25	
hwdata	0.305	1.fc25	
iotop	0.6	11.fc25	
ipcalc	0.1.8	1.fc25	
iproute-tc	4.11.0	1.fc25	
kmod	23	1.fc25	
libcomps	0.1.7	5.fc25	
libnetfilter_ conntrack	1.0.6	2.fc25	
libnetfilter_ cttimeout	1.0.0	7.fc24	
libnfnetlink	1.0.1	8.fc24	
libreport- filesystem	2.8.0	1.fc25	
libsigsegv	2.10	10.fc24	
linuxconsoletools	1.4.9	2.fc24	
lrzsz	0.12.20	39.fc24	
ltrace	0.7.91	20.fc25	

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lzo	2.08	8.fc24	
mdadm	3.4	2.fc25	
mingetty	1.08	18.fc24	

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pciutils	3.5.5	1.fc25	
pciutils-libs	3.5.5	1.fc25	
pkgconfig	0.29.1	1.fc25	
psmisc	22.21	8.fc24	
python2-rpm	4.13.0.2	1.fc25	
python3-libcomps	0.1.7	5.fc25	
python3-rpm	4.13.0.2	1.fc25	
rpm	4.13.0.2	1.fc25	
rpm-plugin- selinux	4.13.0.2	1.fc25	
rpm-plugin- systemd-inhibit	4.13.0.2	1.fc25	
screen	4.6.1	1.fc25	
slang	2.3.0	7.fc25	
smartmontools	6.5	1.fc25	
smem	1.4	4.fc24	
sysstat	11.3.5	1.fc25	
time	1.7	49.fc24	
traceroute	2.1.0	2.fc25	
tree	1.7.0	6.fc24	
yum	3.4.3	510.fc25	

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os-prober	1.74	1.fc25	
			page 587, see <u>"GNU General Public</u>
dnf	1.1.10	6.fc25	
dnf-conf	1.1.10	6.fc25	
dnf-yum	1.1.10	6.fc25	
python3-dnf	1.1.10	6.fc25	
			page 587, see <u>"GNU General Public</u>
man-db	2.7.5	7.fc25	
			page 587, see <u>"GNU Lesser General Public</u>
cryptsetup	1.7.5	1.fc25	
cryptsetup-libs	1.7.5	1.fc25	
dracut	044	78.hcp800	
dracut-network	044	78.hcp800	
keyutils	1.5.9	8.fc24	
keyutils-libs	1.5.9	8.fc24	
liblockfile	1.09	4.fc24	

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rpm-build-libs	4.13.0.2	1.fc25			
rpm-libs	4.13.0.2	1.fc25			
<i>GPLv2+ and Public</i> (see <u>"GNU General</u>		on 2+ (GPLv2+)" on	page 587)		
iproute	4.11.0	1.fc25			
xz	5.2.2	2.fc24			
<i>GPLv2+ or LGPLv3+</i> (see <u>"GNU General Public License, Version 2+ (GPLv2+)"</u> on page 587, see <u>"GNU Lesser General Public License, Version 3 (LGPLv3)"</u> on page 615)					
elfutils-default- yama-scope	0.169	1.fc25			
elfutils-libelf	0.169	1.fc25			

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crash	7.1.9	1.fc25	
hfcldd	4.32.20.4016	11.hcp810	
kmod-hfcldd- 4.9.99- 201.hcp810.x86_ 64	4.32.20.4016	11.hcp810	
which	2.21	1.fc25	
<i>GPLv3+</i> (see <u>"GNU General</u>	Public License, Ve	rsion 3 (GPLv3)" o	n page 588)
bash	4.3.43	4.fc25	
binutils	2.26.1	1.fc25	
coreutils	8.25	17.fc25	
coreutils-common	8.25	17.fc25	
сріо	2.12	3.fc24	
device-mapper- persistent-data	0.6.3	1.fc25	
diffutils	3.3	13.fc24	
findutils	4.6.0	8.fc25	
gdbm	1.13	1.fc25	
gnupg2	2.1.13	2.fc25	
grep	2.27	2.fc25	
grub2	2.02	0.38.hcp800	
grub2-tools	2.02	0.38.hcp800	
info	6.1	4.fc25	

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libbasicobjects	0.1.1	34.fc25			
libpipeline	1.4.1	2.fc24			
make	4.1	6.fc25			
nano	2.6.1	2.fc25			
patch	2.7.5	3.fc24			
readline	6.3	8.fc24			
rsync	3.1.2	4.fc25			
sed	4.2.2	15.fc24			
tar	1.29	4.fc25			
wget	1.19.2	1.fc25			
zile	2.4.13	1.fc25			
(see <u>"GNU General</u>	<i>GPLv3</i> + and (<i>GPLv2</i> + or <i>LGPLv3</i> +) (see <u>"GNU General Public License, Version 3 (GPLv3)"</u> on page 588, see <u>"GNU General Public License, Version 2+ (GPLv2+)"</u> on page 587, see <u>"GNU Lesser General Public License, Version 3 (LGPLv3)"</u> on page 615)				
elfutils	0.169	1.fc25			
GPLv3+ and CC0-1.0 (see <u>"GNU General Public License, Version 3 (GPLv3)"</u> on page 588)					
emacs-filesystem	25.3	3.fc25			
emacs-nox	25.3	3.fc25			

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gnutls	3.5.15	1.fc25	
libtasn1	4.12	1.fc25	
			<u>GPLv3)"</u> on page 588, see <u>"GNU Lesser General Public</u>
libwbclient	4.5.14	1.hcp810	
samba	4.5.14	1.hcp810	
samba- client-libs	4.5.14	1.hcp810	
samba- common	4.5.14	1.hcp810	
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samba- winbind- modules	4.5.14	1.hcp810			
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	<i>GPLv3</i> + with exceptions (see <u>"GNU General Public License, Version 3 (GPLv3)"</u> on page 588)				
gnupg	1.4.22	1.fc25			
IJG (see <u>"IJG Lice</u>	IJG (see <u>"IJG License"</u> on page 631)				
libjpeg- turbo	1.5.1	0.fc25			

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periodic	0.7	5.hcp800		
LGPLv2 (see <u>"GNU Le</u>	LGPLv2 (see <u>"GNU Lesser General Public License, Version 2+ (LGPLv2+)"</u> on page 603)			
device- mapper- event-libs	1.02.136	3.fc25		
device- mapper-libs	1.02.136	3.fc25		
libcroco	0.6.11	3.fc25		
libmspack	0.6	0.1.alpha.fc25		
libseccomp	2.3.2	1.fc25		

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	LGPLv2 and $GPLv2(see "GNU Lesser General Public License, Version 2+ (LGPLv2+)" on page 603, see "GNU General Public License, Version 2+ (GPLv2+)" on page 587)$					
numactl-libs	2.0.11	2.fc24				

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GeoIP	1.6.11	1.fc25			
SDL	1.2.15	21.fc24			
alsa-lib	1.1.1	2.fc25			
audit-libs	2.8.1	1.fc25			
avahi-libs	0.6.32	4.fc25			
cracklib	2.9.6	4.fc25			

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crypto-policies	20160921	4.gitf3018dd.fc25	
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glib2	2.50.3	1.fc25	
gpgme	1.8.0	10.fc25	
hawkey	0.6.4	3.fc25	
kmod-libs	23	1.fc25	
libacl	2.2.52	13.fc25	
libaio	0.3.110	6.fc24	
libattr	2.4.47	16.fc24	
libblkid	2.28.2	2.fc25	
libcap-ng	0.7.8	1.fc25	
libesmtp	1.0.6	10.hcp800	
libestr	0.1.9	6.fc24	
libfdisk	2.28.2	2.fc25	
libgcrypt	1.7.9	1.fc25	
libgpg-error	1.24	1.fc25	
libmnl	1.0.4	1.fc25	
libmount	2.28.2	2.fc25	
librepo	1.7.18	3.fc25	
libsemanage	2.5	9.fc25	
libsepol	2.5	10.fc25	
libsmartcols	2.28.2	2.fc25	
libsysfs	2.1.0	19.fc24	
libtool-ltdl	2.4.6	14.fc25	
libusb	0.1.5	7.fc24	
libusbx	1.0.21	1.fc25	

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libutempter	1.1.6	8.fc24	
linux-atm-libs	2.5.1	14.fc24	
python-urlgrabber	3.10.1	9.fc25	
python2-pygpgme	0.3	18.fc25	
python3-hawkey	0.6.4	3.fc25	
python3-librepo	1.7.18	3.fc25	
python3-pygpgme	0.3	18.fc25	
pyxattr	0.5.3	8.fc25	
qrencode-libs	3.4.4	1.fc25	

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ttmkfdir	3.0.9	48.fc24		
LGPLv2+ and GPLv2+ (see <u>"GNU Lesser General Public License, Version 2+ (LGPLv2+)"</u> on page 603, see <u>"GNU General Public License, Version 2+ (GPLv2+)"</u> on page 587)				
gmime	2.6.20	7.fc25		

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(see <u>"GNU Lesser Gen</u>	LGPLv2+ and GPLv2+ or BSD (see <u>"GNU Lesser General Public License, Version 2+ (LGPLv2+)"</u> on page 603, see <u>"GNU General Public License, Version 2+ (GPLv2+)"</u> on page 587, see <u>"BSD License"</u> on page 494)					
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gettext-libs	0.19.8.1	3.fc25	
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glibc	2.24	10.fc25	
glibc	2.24	10.fc25	
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autogen-libopts	5.18.10	1.fc25		
guile	2.0.13	1.fc25		
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libini_config	1.3.1	34.fc25		
libldb	1.1.29	1.fc25		
libpath_utils	0.2.1	34.fc25		
libref_array	0.1.5	34.fc25		
libtalloc	2.1.10	2.fc25		
libtdb	1.3.13	1.fc25		
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gmp	6.1.1	1.fc25		
nettle	3.3	1.fc25		
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nss-pem	1.0.3	3.fc25		
MPLv2.0 ()				
nspr	4.17.0	1.fc25		
nss	3.34.0	1.0.fc25		
nss-softokn	3.34.0	1.0.fc25		
nss-softokn- freebl	3.34.0	1.0.fc25		
nss-sysinit	3.34.0	1.0.fc25		
nss-tools	3.34.0	1.0.fc25		
nss-util	3.34.0	1.0.fc25		
publicsuffix- list-dafsa	20170828	1.fc25		
Mixed ()				
os-release- hcp	25.0.94	1.hcp810		
Nmap ()				
nmap-ncat	7.40	1.fc25		
OFL (see <u>hcpa3p-OFLLicense</u>)				
aajohan- comfortaa- fonts	3.001	1.fc25		

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OpenSSL (see <u>"OpenSSL and SSLeay Licenses"</u> on page e			76)
openssl	1.0.2m	1.fc25	
openssl-libs	1.0.2m	1.fc25	
PostgreSQL (see <u>"PostgreS</u>	SQL License" on	page 697)	
postgresql	9.5.7	1.hcp800	
postgresql- libs	9.5.7	1.hcp800	
postgresql- plpython	9.5.7	1.hcp800	
postgresql- server	9.5.7	1.hcp800	
postgresql- upgrade	9.5.7	1.hcp800	

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PyGreSQL	5.0.2	1.fc25	
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hfcldd-tools	4.32.20.401 6	11.hcp810	
stdio-shrink	0.7.6	1.hcp800	

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ca-certificates	2017.2.20	1.0.fc25		
filesystem	3.2	37.fc24		
fontpackage s-filesystem	1.44	17.fc24		
libselinux	2.5	13.fc25		
lua-posix	33.3.1	3.fc25		
setup	2.10.4	1.fc25		
sqlite	3.14.2	3.fc25		
sqlite-libs	3.14.2	3.fc25		
tzdata	2017b	1.fc25		
tzdata-java	2017b	1.fc25		
xz-libs	5.2.2	2.fc24		
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Python (see <u>"Python License"</u> on page 700)				
python	2.7.13	3.fc25		
python-libs	2.7.13	3.fc25		
python3	3.5.4	2.fc25		
python3-libs	3.5.4	2.fc25		

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system- python	3.5.4	2.fc25	
system- python-libs	3.5.4	2.fc25	
SISSL and BSI (see <u>"Sun Ind</u>		Source License" on page	709, see <u>"BSD License"</u> on page 494)
libtirpc	1.0.1	4.rc3.hcp800	Copyright (C) 1994 - 2013 Free Software Foundation Copyright (C) 1988 Sun Microsystems Inc - All Rights Reserved Copyright (C) 1984 - 2009 Sun Microsystems Inc Copyright (C) 2008 Isilon Inc http://www.isilon.com/ Copyright (C) 1992 Eric Young Copyright (C) 1992 - 2015 Free Software Foundation Inc Copyright (C) 2001 Daniel Eischen deischen@FreeBSD.org Copyright (C) 2000 Dug Song dugsong@UMICH.EDU Copyright (C) 2005 Bull S.A All Rights Reserved Copyright (C) 2001 Dima Dorfman Copyright (C) 2014 Red Hat Steve Dickson steved@redhat.com Copyright (C) 2000 The Regents of the University of Michigan Copyright (C) 1994 X Consortium Copyright (C) 1996 (Portions) Jason Downs All rights reserved Copyright (C) 1997 98 The NetBSD Foundation Inc Copyright (C) 2015 Axentia Technologies AB Copyright (C) 2003 Niels Provos provos@citi.umich.edu Copyright (C) 1988 Sun Microsystems Inc - All Rights Reserved Copyright (C) 1984 - 1997 - Sun Microsystems Inc

Package	Version	Fedora Release	Copyright
TTWL ()			
perl-Text- Tabs+Wrap	2013.0523	365.fc25	
Vim (see <u>"Vim License"</u> on page 716)			
vim-common	8.0.1171	1.fc25	
vim- enhanced	8.0.1171	1.fc25	
vim- filesystem	8.0.1171	1.fc25	
vim-minimal	8.0.1171	1.fc25	

Package	Version	Fedora Release	Copyright
<i>zlib</i> (see <u>"zlib License"</u> on page 720))	

Package	Version	Fedora Release	Copyright
libpng	1.6.27	1.fc25	Copyright (C) 1998 - 2000 Glenn Randers- Pehrson are derived from Copyright (C) 2002 Patrick R.L Welche Copyright (C) 1995 Guy Eric Schalnat Group 42 Copyright (C) 2012 Glenn Randers-Pehrson and Christopher M Wheeler Copyright (C) 2000 - 2016 Glenn Randers- Pehrson are Copyright (C) 1998 - 2014 Greg Roelofs and Copyright (C) 1998 - 2017 Derived from pngcrush.h Glenn Randers-Pehrson Copyright (C) 1998 - 2016 Glenn Randers- Pehrson Copyright (C) 1998 - 2016 Glenn Randers- Pehrson Copyright (C) 1995 - 1996 Guy Eric Schalnat Group 42 Inc Copyright (C) 1995 - 1997 Andreas Dilger Copyright (C) 1995 - 1997 (MIT ERCIM Keio) All Rights Reserved Copyright (C) 1995 - 2000 Wolf Faust Copyright (C) 1995 - 2000 Wolf Faust Copyright (C) 1996 - 1997 (Version 0.96 Andreas Dilger) Copyright (C) 2013 - 2016 John Bowler Copyright (C) 2013 - 2016 John Bowler Copyright (C) 2003 - 2008 Adam M Costello and Cosmin Truta Copyright (C) 2000 - 2008 Adam M Costello and Cosmin Truta Copyright (C) 1996 - 1997 Andreas Dilger Copyright (C) 2000 Pawel Mrochen based on makefile.msc which is Copyright (C) 1999 Willem van Schaik willem at schaik.com Copyright (C) 1997 Tom Tanner Copyright (C) 1999 The PNG-1.2 specification is Glenn Randers-Pehrson

Package	Version	Fedora Release	Copyright
			Copyright (C) 1998 - 2016 com Glenn Randers- Pehrson Copyright (C) 1994 X Consortium Copyright (C) 1995 - 1996 (Version 0.88 Guy Eric Schalnat Group 42 Inc.) Copyright (C) 1995 - 1996 Guy Eric Schalnat Group 42 Inc. Copyright (C) 2002 - 2014 Glenn Randers- Pehrson and Andrey A Chernov Copyright (C) 2000 Marc O Gloor (AIX support added from makefile.gcc) Copyright (C) 1995 - 1996 Frank J T Wojcik Copyright (C) 1995 - 1996 Frank J T Wojcik Copyright (C) 2000 Willem van Schaik./ Copyright (C) 1989 - 2015 Free Software Foundation Inc Copyright (C) 2004 - 2015 Free Software Copyright (C) 2004 Simon-Pierre Cadieux Copyright (C) 1996 The PNG-1.0 specification is Massachusetts Institute of Copyright (C) 1996 - 1997 Andreas Dilger are derived from libpng-0.88 Copyright (C) 1998 Tim Wegner Copyright (C) 2011 - 2016 John Cunningham Bowler Copyright (C) 2001 Christoph Pfisterer

Package	Version	Fedora Release	Copyright
<i>zlib and Boost (see <u>"zlib Licen</u></i>	<u>se"</u> on page 720;	, see <u>"Boost License"</u> on	page 492)

Package	Version	Fedora Release	Copyright
zlib	1.2.8	10.fc24	Copyright (C) 1998 Andreas R Kleinert Copyright (C) 1990 - 2000 Info-ZIP All rights reserved Copyright (C) 2003 Chris Anderson christop@charm.net Copyright (C) 1995 - 2013 Jean-loup Gailly (jloup@gzip.org) Copyright (C) 2003 - 2012 gzappend 1.2 (11 Oct 2012) Mark Adler Copyright (C) 1995 - 2013 Jean-loup Gailly Mark Adler Copyright (C) 1995 - 2013 Jean-loup Gailly Mark Adler Copyright (C) 1995 - 2013 Jean-loup Gailly Copyright (C) 1997 P9 Borland Corporation Copyright (C) 1997 The original ZLib unit is 99 Borland Corp Copyright (C) 1998 - 2005 Gilles Vollant Copyright (C) 1998 - 2010 MiniZip - Gilles Vollant - version 1.1 64 bits from Mathias Svensson Copyright (C) 1996 L Peter Deutsch Copyright (C) 1996 L Peter Deutsch and Jean- Loup Gailly Copyright (C) 1998 - 2010 - Gilles Vollant Even Rouault Mathias Svensson Copyright (C) 1998 - 2010 - Gilles Vollant Even Rouault Mathias Svensson Copyright (C) 1998 - 2010 - Gilles Vollant Even Rouault Mathias Svensson Copyright (C) 1998 - 2010 Gilles Vollant Even Rouault Mathias Svensson Copyright (C) 1998 - 2010 Gilles Vollant Even Rouault Mathias Svensson Copyright (C) 1998 - 2010 Gilles Vollant (minizip) (http://www.winimage.com/ZLibDll/minizip.ht ml) Copyright (C) 1998 - 2000 Jacques Nomssi Nzali Copyright (C) 1995 - 2013 Jean-loup Gailly and Mark Adler Copyright (C) 1995 - 2010 Mathias Svensson (http://result42.com) Copyright (C) 1998 - 2007 Brian Raiter breadbox@muppetlabs.com Copyright (C) 2004 Henrik Ravn Copyright (C) 2004 Henrik Ravn Copyright (C) 2004 - Dmitriy Anisimkov

Package	Version	Fedora Release	Copyright	
			Copyright (C) 2002 - 2013 Mark Adler all rights reserved	
(see <u>"zlib Licen</u>	<i>zlib and Sendmail and LGPLv2+</i> (see <u>"zlib License"</u> on page 720, see <u>"Sendmail License"</u> on page 705, see <u>"GNU Lesser General Public</u> <u>License, Version 2+ (LGPLv2+)"</u> on page 603)			
lsof	4.89	4.fc25	Copyright (C) 2002 Purdue Research Foundation West Lafayette Copyright (C) 1998 Sendmail Inc All rights reserved Copyright (C) 1985 - 2000 Free Software Foundation Inc Copyright (C) 1994 - 2008 Purdue Research Foundation West Lafayette Indiana Copyright (C) 1988 - 1993 (a) The Regents of the University of Copyright (C) 2004 - 2005 - Fabian Frederick fabian.frederick@gmx.fr Copyright (C) 1997 Eric P Allman All rights reserved	

3

Appliance Operating System thirdparty components

This chapter identifies the modified Fedora packages and additional thirdparty software embedded in the Appliance Operating System. Each software package is listed with an indication of where to get it, its copyright (where required), and its license information. The software packages are presented in alphabetical order within each section.

For a list of the unmodified Fedora components used in the Appliance Operating System, see <u>Chapter 2: "Unmodified Fedora components"</u>

For the text of the licenses identified in this section, see <u>Chapter 5:</u> "Licenses for third-party components".

Modified Fedora packages

This section presents the modified Fedora packages embedded in the Appliance Operating System.

Third-party package

bind bind-libs bind-libs-lite bind-license bind-utils version 9.9.2-10

Source

http://www.isc.org/products/BIND

Proprietary notice

Copyright (C) 2004 - 2012 (Portions) Internet Systems Consortium Inc (ISC)

Copyright (C) 1995 - 2000 Network Associates Inc

Copyright (C) 2008 June Holger Zuleger HZnet All rights reserved

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Copyright (C) 1994 X Consortium

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Copyright (C) 2004 - 2005 Stig Venaas venaas@uninettno Copyright (C) 2005 - 2008 - Holger Zuleger HZnet All rights reserved Copyright (C) 2005 Aug Karle Boss (kaho) All rights reserved Copyright (C) 1996 - 2010 Free Software Foundation Inc Copyright (C) 2002 ((c)) Rice University Copyright (C) 1999 - 2000 Nortel Networks Corporation Copyright (C) 2010 Jan - Feb Holger Zuleger HZnet All rights reserved Copyright (C) 1996 - 2001 (Portions) PostgreSQL Global Development Group Copyright (C) 2002 - 2004 Stig Venaas Copyright (C) 2005 Mar Holger Zuleger HZnet All rights reserved Copyright (C) 1987 - 1993 (Portions) Copyright (C) 2005 Jan Holger Zuleger HZnet All rights reserved Copyright (C) 2004 Masarykova university Copyright (C) 1992 93 94 95 96 Free Software Foundation Inc Copyright (C) 2004 - 2012 - Internet Systems Consortium Inc (ISC) Copyright (C) 2003 - 2009 Sun Microsystems Inc All rights reserved Copyright (C) 2000 - 2001 Nominum Inc All Rights Reserved Copyright (C) 2005 Aug Jeroen Massar Copyright (C) 2004 - 2012 Internet Systems Consortium Inc (ISC) Copyright (C) 2002 Nuno M Rodrigues Copyright (C) 2005 Aug Holger Zuleger HZnet All rights reserved Copyright (C) 1995 - 2000 (Portions) Network Associates Inc. Copyright (C) 1994 (Portions) Regents of the University of California Copyright (C) 1993 Digital Equipment Corporation Copyright (C) 2005 Jason Vas Dias Red Hat Inc Copyright (C) 2000 - 2002 Japan Network Information Center All rights reserved Copyright (C) 2005 The Internet Society This version of Copyright (C) 2001 - 2002 rem Internet Software Consortium Copyright (C) 1987 Regents of the University of California Copyright (C) 2000 - 2002 Japan Network Information Center Copyright (C) 2004 - 2009 rem Internet Systems Consortium Inc (ISC) Copyright (C) 2001 (Portions) Nominum Inc Copyright (C) 1998 - 2003 Internet Software Consortium

License text

"ISC License" on page 633

Third-party package

BusyBox Version 1.19.4

Source

http://www.busybox.net

License text

See "GNU General Public License, Version 2 (GPLv2)"

Third-party package

device-mapper-multipath, device-mapper-multipath-libs, kpartx Version 0.4.9-51.3

Source

http://christophe.varoqui.free.fr

License text

See "GNU General Public License, Version 2 (GPLv2)".



Note: Hitachi Vantara has modified device-mapper-multipath, kpartx for the Appliance Operating System. The modified source code is available on request.

Third-party package Dracut Dracut-network Version 024-25

Source

http://dracut.wiki.kernel.org

License text

See <u>"GNU General Public License, Version 2+ (GPLv2+)</u>" and <u>"GNU Lesser General Public License, Version 2.1 (LGPLv2.1)</u>".

Note: Hitachi Vantara has modified Dracut for the Appliance Operating System. The modified source code is available on request.

e2fsprogs Version 1.42.7-2

Source

http://e2fsprogs.sourceforge.net/

License text

See "GNU Library General Public License, Version 2 (LGPLv2)".

Third-party package e2fsprogs-libs

Version 1.42.7-2

Source

http://e2fsprogs.sourceforge.net/

License text

See <u>"GNU Library General Public License, Version 2 (LGPLv2)</u>" and <u>"GNU General Public License, Version 2 (GPLv2)</u>".

Third-party package Filesystem in Userspace (FUSE) Version 2.8.5

Source

http://fuse.sourceforge.net

License text

See <u>"GNU Library General Public License</u>, Version 2 (LGPLv2)" and <u>"GNU</u> General Public License, Version 2 (GPLv2)".



Note: Hitachi Vantara has modified FUSE for the Appliance Operating System. The modified source code is available on request.

glibc, glibc-common, glibc-devel, glibc-headers, glibc-static, glibc-utils Version 2.16-34.2

Source

http://www.gnu.org/software/glibc/

License text

See <u>"GNU General Public License, Version 2+ (GPLv2+)</u>" on page 587 <u>"GNU Lesser General Public License, Version 2+ (LGPLv2+)</u>" on page 603

Third-party package

grub2 grub2-tools Version 2.00-15.1

Source

http://www.gnu.org/software/grub

License text

See <u>"GNU General Public License, Version 3 (GPLv3)"</u>.



Note: Hitachi Vantara has modified grub2 and grub2-tools for the Appliance Operating System. The modified source code is available on request.

Third-party package

initscripts Version 9.42.2-3

Source

http://fedorahosted.org/releases/i/n/initscripts

License text

See <u>"GNU General Public License</u>, Version 2 (GPLv2)" and <u>"GNU General</u> Public License, Version 2+ (GPLv2+)".



Note: Hitachi Vantara has modified initscripts for the Appliance Operating System. The modified source code is available on request.

ipmitool Version 1.8.12-9

Source

http://ipmitool.sourceforge.net

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License text

See <u>"BSD License"</u>.



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Note: Hitachi Vantara has modified ipmitool for the Appliance Operating System. The modified source code is available on request.

Third-party package

Kernel Version 10.95-100

Source

https://git.kernel.org/

License text

"GNU General Public License, Version 2 (GPLv2)" on page 580

krb5-libs krb5-workstation Version 1.10.3-16

Source

http://web.mit.edu/kerberos/www

Proprietary notice

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License text

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Third-party package

libesmtp Version 1.0.6-4

Source

http://www.stafford.uklinux.net/libesmtp

License text

See <u>"GNU Lesser General Public License, Version 2+ (LGPLv2+)"</u>.

Third-party package

libtirpc Version 0.2.2-44

Source

http://nfsv4.bullopensource.org

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Copyright (C) 2001 Dima Dorfman

Copyright (C) 2004 Scott James Remnant scott@netsplitcom

License text

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Note: Hitachi Vantara has modified libtirpc for the Appliance Operating System. The modified source code is available on request.

Third-party package

nfs-utils version 1.2.7-7

Source

http://sourceforge.net/projects/nfs/

Proprietary notice

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Note: Hitachi Vantara has modified nfs-utils for the Appliance Operating System. The modified source code is available on request.

openssl openssl-libs version 1.0.1e-37

Source

http://www.openssl.org

License text

See "OpenSSL and SSLeay Licenses".

Third-party package

postgresql postgresql-libs postgresql-plpython postgresql-server postgresql-upgrade Version 9.2.4-1

Source

http://www.postgresql.org

License text

See "PostgreSQL License".

Third-party package

Samba Samba-client Samba-common Samba-libs Samba-winbind Samba-winbind-clients Version 4.0.21-1

Source

http://www.samba.org

License text

See <u>"GNU General Public License, Version 3 (GPLv3)</u>" and <u>"GNU Lesser</u> <u>General Public License, Version 3 (LGPLv3)</u>".



Note: Hitachi Vantara has modified Samba for the Appliance Operating System. The modified source code is available on request.

Additional third-party packages

This section presents the non-Fedora third-party packages embedded in the Appliance Operating System.

Third-party package libgfshare Version 1.0.2-3

Source

http://www.digital-scurf.org/software/libgfshare

Proprietary notice Copyright Daniel Silverstone 2006

License text

See <u>"gfshare License"</u>.



Note: Source code for libgfshare is available on request.

Third-party package Periodic Version 0.7-4

Source

http://www.jabberwocky.com/software/periodic

License text

See <u>"GNU Lesser General Public License, Version 2.1 (LGPLv2.1)"</u>.

1	

Note: Source code for Periodic is available on request.

Third-party package stdio-shrink Version 0.7

Source

http://www.jabberwocky.com/software/stdio-shrink

License text

See <u>"GNU Lesser General Public License, Version 2.1 (LGPLv2.1)"</u>.

4

HCP software third-party components

This chapter identifies the third-party software embedded in or distributed with the HCP software. Each software package is listed with an indication of where to get it, its copyright (where required), and its license information. The software packages are presented in alphabetical order.

For the text of the licenses identified in this section, see <u>Chapter 5:</u> "Licenses for third-party components". **Third-party package** Airspeed Version r56

Source

https://github.com/purcell/airspeed

Proprietary notice

No copyright notice was found in the code or LICENSE file.

License text See "BSD License (Simplified)".

Third-party package

Apache Commons BeanUtils Version 1.7.0

Source http://commons.apache.org/beanutils

License text See <u>"Apache License, version 2.0"</u>.

Third-party package Apache Commons Chain

Version 1.1

Source

http://commons.apache.org/proper/commons-chain/

License text

See "Apache License, version 2.0".

Third-party package

Apache Commons CLI

Version 1.2

Source

http://commons.apache.org/cli

See <u>"Apache License, version 2.0"</u>.

Third-party package

Apache Commons Codec

Version 1.9

Source http://commons.apache.org/codec

License text See "Apache License, version 2.0".

Third-party package Apache Commons Collections Version 3.2.1

Source http://commons.apache.org/collections

License text See <u>"Apache License, version 2.0"</u>.

Third-party package

Apache Commons Compress Version 1.5

Source

http://commons.apache.org/compress

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Third-party package

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Apache Commons Digester Version 1.8

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Third-party package Apache Commons Fileupload

Version 1.3.1

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Third-party package Apache Commons HttpComponents Version 4.2

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Apache Commons IO Version 2.4

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Third-party package Apache Commons Logging Version 1.1.3

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Apache Commons Validator Version 1.3.1

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Third-party package Apache Derby

Version 10.8.2.2

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Apache Directory Server Version 1.5.7

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Apache Struts 1 Version 1.0.2

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Third-party package GlassFish

Using Version 2.1

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JavaMail Version 1.5.6

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jQuery tablesorter Version 2.0.3

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JSR 311 Version 1.1

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http://geophile.com/osh

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Note: Source code for Osh is available on request.

Third-party package

path Version 2.2

Source

https://pypi.python.org/pypi/path.py



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PostgresSQL JDBC driver Version 9.3-1102.jdbc41

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Version 2.1

Source

https://jaxb.java.net/1.0/

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Third-party package JAXB Impl

Version 2.1.11

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pynetlinux Version 1.0.0

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https://github.com/rlisagor/pynetlinux

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https://github.com/rometools/rome

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http://chrisarndt.de/en/software/python/threadpool

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http://woodstox.codehaus.org

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better. However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.) These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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Python 2.6.2 License

A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, anon-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Releases	Derived from	Year	Owner	GPL- compatible
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
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2.4.3	2.4.2	2006	PSF	yes
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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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zlib License

zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.2, October 3rd, 2004

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