

Oracle® Private Cloud Appliance

Licensing Information User Manual for Release 2.0

ORACLE®

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Preface

This document is part of the documentation library for Oracle Private Cloud Appliance (PCA) Release 2.0, which is available at:

http://docs.oracle.com/cd/E55813_01.

Audience

The Oracle Private Cloud Appliance (PCA) documentation is written for technicians, authorized service providers, data center operators and system administrators who want to install, configure and maintain a private cloud environment in order to deploy virtual machines for users. It is assumed that readers have experience installing and troubleshooting hardware, are familiar with web and virtualization technologies and have a general understanding of operating systems such as UNIX (including Linux) and Windows.

The Oracle PCA makes use of Oracle Linux and Oracle Solaris operating systems within its component configuration. It is advisable that administrators have experience of these operating systems at the very least. Oracle PCA is capable of running virtual machines with a variety of operating systems including Oracle Solaris and other UNIXes, Linux and Microsoft Windows. The selection of operating systems deployed in guests on Oracle PCA determines the requirements of your administrative knowledge.

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Chapter 2 Licensing Overview

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This tables in this chapter provide an overview of the licensing information for software and hardware components of the Oracle Private Cloud Appliance (PCA).

2.1 Oracle PCA Licensing Information

Components distributed as part of Oracle Private Cloud Appliance are identified in the following table, along with the applicable licensing information.

Table 2.1 Oracle PCA License Overview

Product	Subproduct	Licensing Information
Oracle PCA	Controller Software Release 2.0.5	The Controller Software is designed for the provisioning, management and maintenance of all of the components within the appliance. Every Oracle PCA shipment contains a hardcopy of this license.

2.2 Licensing Information for Included Oracle Products

Other Oracle products distributed as part of Oracle Private Cloud Appliance are identified in the following table, along with the applicable licensing information.

Table 2.2 License Overview for Included Oracle Products

Product	Subproduct	Licensing Information
Oracle PCA	Oracle Linux Release 6 Update 6 with UEK2-400 b249	Oracle Linux is the operating system that runs on the Oracle PCA management nodes and compute nodes. Every Oracle PCA shipment contains a hardcopy of this license.
Oracle PCA	Oracle Hardware with Pre- Installed Oracle VM Server	Oracle PCA is delivered with Oracle VM Server pre- installed on the compute nodes. Every Oracle PCA shipment contains a hardcopy of this license.
Oracle PCA	Oracle VM Release 3.2.9	Oracle VM is the virtualization platform installed on Oracle PCA to create and manage virtual servers. The two management nodes run Oracle VM Manager; all compute nodes run Oracle VM Server. For licensing information, see Section 3.1, "Oracle VM" .
Oracle PCA	Oracle Hardware Management Pack 2.3.1	Oracle Hardware Management Pack (HMP) is a collection of cross-platform server management tools. Oracle PCA uses HMP tools to configure the server hardware and

Product	Subproduct	Licensing Information
		<p>operating systems during provisioning and software upgrades.</p> <p>For licensing information, see Section 3.2, “Oracle Hardware Management Pack”.</p>
Oracle PCA	Oracle Java 6 Standard Edition (SE) Server JRE 1.6.0_41	<p>The Oracle Java SE Runtime Environment (Server JRE) is included with the Oracle Private Cloud Appliance controller software.</p> <p>A copy of the license is reproduced in Section 3.3, “Oracle Java 6 SE Runtime Environment”.</p>
Oracle PCA	Oracle Fabric Interconnect F1-15	<p>The Oracle Fabric Interconnect F1-15 is a standard networking virtualization component of Oracle PCA.</p> <p>For licensing information, see Section 3.4, “Licensing Information for Hardware Components”.</p>
Oracle PCA	Oracle Switch ES1-24	<p>The Oracle Switch ES1-24 is a standard Ethernet networking component of Oracle PCA.</p> <p>For licensing information, see Section 3.4, “Licensing Information for Hardware Components”.</p>
Oracle PCA	NM2-36P Sun Datacenter InfiniBand Expansion Switch	<p>The NM2-36P Sun Datacenter InfiniBand Expansion Switch is a standard InfiniBand networking component of Oracle PCA.</p> <p>For licensing information, see Section 3.4, “Licensing Information for Hardware Components”.</p>
Oracle PCA	Oracle Server X5-2	<p>The Oracle Server X5-2 is used as a management node and/or compute node in Oracle PCA. It is supported as of Oracle PCA Software Release 2.0.3. (Oracle Server X5-2 expansion compute nodes are supported from Release 2.0.2 onward.)</p> <p>For licensing information, see Section 3.4, “Licensing Information for Hardware Components”.</p>
Oracle PCA	Sun Server X4-2	<p>The Sun Server X4-2 is used as a management node and/or compute node in Oracle PCA. It is supported as of Oracle PCA Software Release 1.1.1.</p> <p>For licensing information, see Section 3.4, “Licensing Information for Hardware Components”.</p>
Oracle PCA	Oracle ZFS Storage Appliance ZS3-ES	<p>The Oracle ZFS Storage Appliance ZS3-ES is a standard internal storage component in Oracle PCA. It is supported as of Oracle PCA Software Release 1.1.1.</p> <p>For licensing information, see Section 3.4, “Licensing Information for Hardware Components”.</p>

2.3 Third-Party Notices and/or Licenses

The following table identifies third-party software products distributed as part of Oracle Private Cloud Appliance, along with the applicable licensing information.

Table 2.3 Third-Party License Overview

Provider	Third-Party Component	Licensing Information
Free Software Foundation, Inc.	Tinyproxy 1.8.3	Tinyproxy is included with the Oracle Private Cloud Appliance Controller Software. It is provided under the GPL (GNU General Public License) version 2. A copy of the license is reproduced in Section 3.5, "Tinyproxy 1.8.3" .

Chapter 3 Licenses

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This chapter contains the licenses for the products included as part of the Oracle Private Cloud Appliance.

3.1 Oracle VM

Oracle VM Release 3.2.9 is included with Oracle Private Cloud Appliance.

This section includes the software licenses for third party software products included as part of Oracle VM.

3.1.1 Apache MINA SSHD

Apache MINA SSHD is included with Oracle VM Manager.

Apache MINA SSHD

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Oracle has modified the following files:

setup.py
py/ovf/__init__.py
py/ovf/Ovf.py

py/ovf/OvfCertificate.py
py/ovf/OvfPlatform.py
py/ovf/OvfFile.py
py/ovf/OvfManifest.py
py/ovf/OvfReferencedFile.py
py/ovf/OvfSet.py
py/ovf/OvfLibvirt.py
py/ovf/OvfTransport.py
py/ovf/env/EnvironmentSection.py
py/ovfapi/__init__.py
py/ovfapi/ovfapi.py
py/ovfapi/ovfova.py
py/scripts/chovf
py/scripts/lsovf
py/scripts/mkovf
py/scripts/rmovf
py/scripts/ova
schemas/README.ORACLE
schemas/ovf-envelope.xsd
schemas/ovf-environment.xsd
schemas/CIM_ResourceAllocationSettingData.xsd
schemas/CIM_VirtualSystemSettingData.xsd
schemas/ovf-envelope-ovm.xsd

The modifications made to the files are:

- Update version and schemas to OVF spec 1.1.0
- Support OVM extensions
- Add XML namespace to elements in envelope and environment files
- Support chunksize/compression attribute of File element
- Support certificate file creation with user supplied X509 certificate and private key
- Verify certificate as part of ova package validation
- Extract the contents of the appliance to a specified location after validating the appliance
- Add Oracle VM specific VirtualSystemTypes
 - 'DMTF:Oracle:OracleVM:PVM' for xenpv
 - 'DMTF:Oracle:OracleVM:HVM' for xenfv
- Remove libvirt dependency
- Other minor fixes

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See [Part No. E28370-03: Oracle Hardware Management Pack Licensing Information User Manual](#).

3.3 Oracle Java 6 SE Runtime Environment

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zlib.h -- interface of the 'zlib' general purpose compression library
version 1.1.3, July 9th, 1998

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format)

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- **Management and Compute Nodes**

- [Part No. E48322-03: Oracle Server X5-2 Licensing Information User Manual](#)

- [Part No. E38044-01](#): *Sun Server X4-2 Program Documentation – Third Party Licenses and Notices*
- **Networking Components**
 - [Part No. E50733-02](#): *Oracle Fabric Interconnect F1-15 – XgOS Program Documentation – Third Party Licenses and Notices*
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- **Storage Devices**
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3.5 Tinyproxy 1.8.3

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 2 of the License, or  
(at your option) any later version.
```

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.