

Oracle VM (OVM): Flexiblere Oracle Lizenzierung?

**Kersten Penni,
Oracle Deutschland B.V. & Co. KG
Düsseldorf**

Schlüsselworte

Oracle License Management Services (LMS), Lizenzen, Lizenzierung, Compliance, Tools, Werkzeuge, Scripte, Scripts, 3rd Party, Oracle Enterprise Manager, OEM, Lizenzmanagement, Asset Management, Software Asset Management (SAM), LMS Engagement, LMS Services, Audit Services, True Up Services, Advisory Services, Partitioning, Soft Partitioning, Hard Partitioning, OVM f. x86, OVM f. SPARC, Oracle VM, Server Pool

Einleitung

Im Bereich der Virtualisierung bietet Oracle zwei Lösungen (OVM f. x86 und OVM f. SPARC) an, die ein sogenanntes "Hard Partitioning" ermöglichen, d. h. es muss ggf. nicht der gesamte Server bzw. der gesamte Server Pool/Cluster lizenziert werden.

Beide Virtualisierungstechnologien werden näher beschrieben und insbesondere die Maßnahmen erörtert, die getroffen werden müssen, damit jeweils nicht die komplette OVM-Virtualisierungsumgebung in der Lizenzierung für Oracle Programme, wie z. B. Oracle Datenbank, Fusion Middleware (FMW), Siebel etc. berücksichtigt werden muss.

Zudem wird auf die mit OVM und Soft und Hartpartitioning verbundenen Möglichkeiten und jeweilige Vor- bzw. Nachteile eingegangen.

Oracle VM Server for SPARC

Oracle VM Server for SPARC

Highly Efficient, Enterprise-Class Virtualization Capabilities for SPARC Servers

Take advantage of the massive thread scale offered by Oracle's SPARC servers and the Oracle Solaris operating system—at no additional cost. Create up to 128 virtual servers on one system.

[Download Oracle VM](#)

[Download Oracle Solaris](#)

Solaris and SPARC Virtualization

Dynamic Domains

M-Series

Oracle VM Server for SPARC

T-Series

Oracle Solaris Containers

Oracle Solaris

Better Resource Utilization for a More Efficient Datacenter

Consolidation of up to 128 virtual machines on one SPARC server.

Abb. 1: Oracle VM Server for SPARC

Oracle VM Server for x86

Oracle VM Server for x86

Application-Driven Virtualization

Going beyond simple server consolidation, Oracle VM server virtualization is designed to enable rapid enterprise application deployment and simplify lifecycle management.

[Download Oracle VM](#)

[Download Oracle VM Templates](#)

[Data sheet \(PDF\)](#)

[White paper \(PDF\)](#)

Oracle VM – Foundation for Cloud

· At the core of each layer of the stack

- At the core of Oracle's middleware and cloud strategy
- Integrated VM lifecycle & cloud management solution with Oracle Enterprise Manager
- Supports both x86 and SPARC
- Cloud platform for Oracle & Non-Oracle applications
 - Supports Oracle Linux, Oracle Solaris, Microsoft Windows

Fully integrated enterprise management from disk to applications to cloud.

Abb. 2: Oracle VM Server for x86

Oracle Partitioning Policy

Topic: Server/Hardware Partitioning

What is Partitioning?

“Partitioning” occurs when the CPUs on a server are separated into individual sections where each section acts as a separate system. Sometimes this is called “segmenting.” There are several hardware and software virtualization technologies available that deliver partitioning capabilities, with varying degree of resource allocation flexibility.

The purpose of this policy document is to define which of these partitioning technologies is deemed to be Soft, Hard or an Oracle Trusted Partition, and under what conditions Oracle permits them as a means to determine or limit the number of Oracle Processor licenses required for a given server, i.e., to license a sub-capacity of total physical cores as an exception from the contractual Oracle Processor definition. Oracle may modify the definitions and conditions specified in this document from time to time.

Abb. 3: Oracle Partitioning Policy

Oracle VM Server may be used as hard partitioning technology only as described in the following documents:

- Oracle VM Server for x86, only if specific cores are allocated per the following document:
 - <http://www.oracle.com/technetwork/server-storage/vm/ovm-hardpart-168217.pdf>
- Oracle VM Server for SPARC, only if specific cores are allocated per the following document:
 - <http://www.oracle.com/technetwork/server-storage/vm/ovm-sparc-hard-partitioning-1403135.pdf>

Abb. 4: Hard Partitioning for Oracle VM for x86 and Oracle VM Server for SPARC

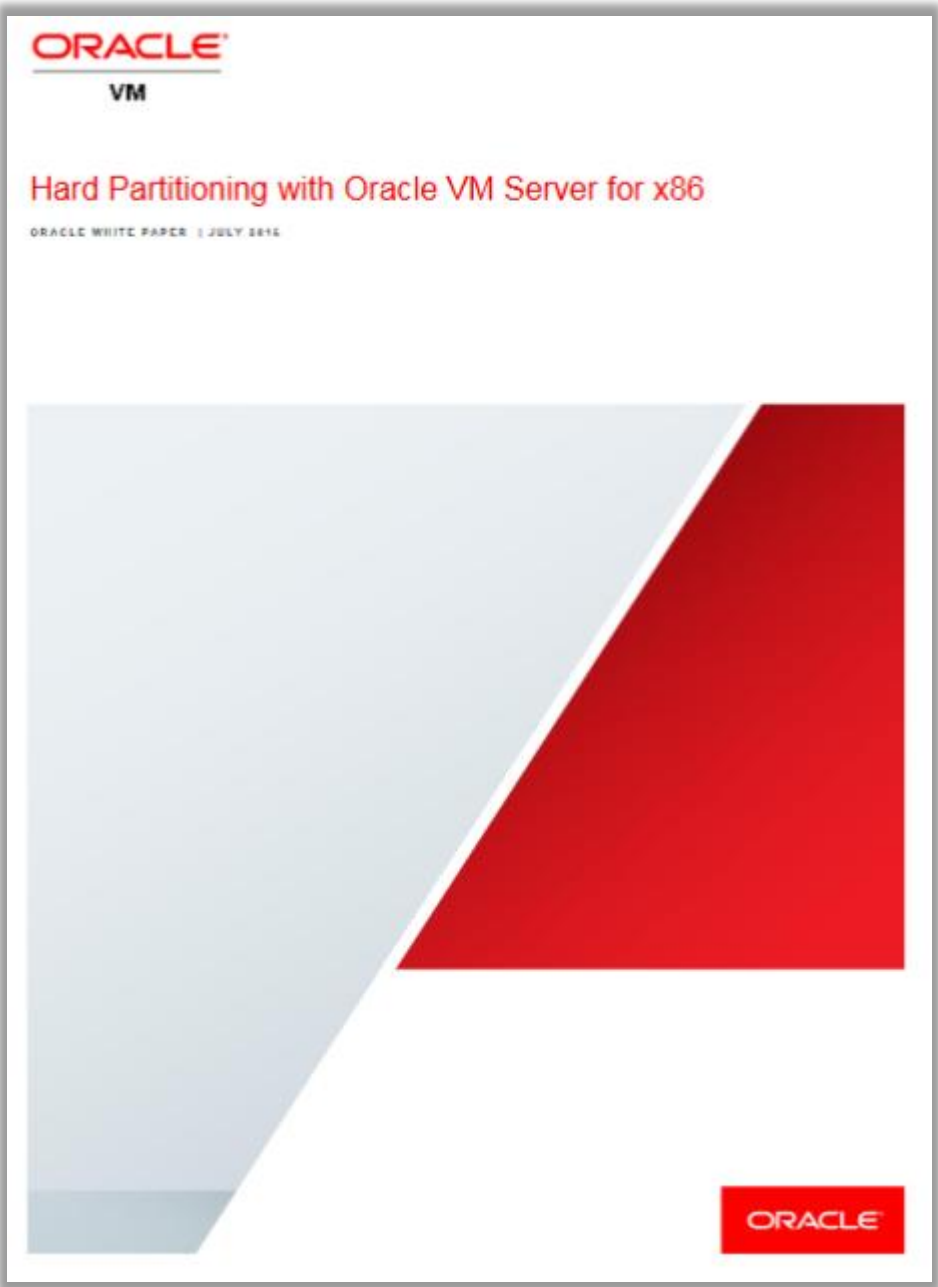


Abb. 5: Hard Partitioning with Oracle VM Server for x86



Abb. 6: Hard Partitioning with Oracle VM Server for SPARC

Oracle Linux Support		Prices in USA (Dollar)	
	License Price	Support Price	Licensing Metric
1 Year Support^{1,2}			
Oracle Linux Network	-	119.00	System
Oracle Linux Basic Limited	-	499.00	System
Oracle Linux Basic	-	1,199.00	System
Oracle Linux Premier Limited	-	1,399.00	System
Oracle Linux Premier	-	2,299.00	System

Abb. 7: Oracle Linux Support and Oracle VM Support Global Price List

³ Oracle VM support services are provided at the support level and for the term defined in your order. When ordering Oracle VM support services you must comply with the following availability rules:

- Oracle VM Premier Limited support services are available only for systems with no more than 2 physical CPUs per system.
- Oracle VM Premier support services are available for systems with any number of physical CPUs per system.

Abb. 8: Footnotes

Oracle VM Definitions

System: is defined as the computer on which the Oracle VM–Server programs are installed. Where computers/blades are clustered, each computer/blade within the cluster shall be defined as a system. For purposes of calculating the price of the Oracle VM support services, the computers where the Oracle VM–Manager programs are installed are not counted.

Physical CPU is defined as each monolithic integrated circuit responsible for executing a system's programs. A monolithic integrated circuit with multiple cores or hyperthreading is counted as a single physical CPU when determining the total number of physical CPUs in a system.

Abb. 9: Oracle VM Definitions

Kontaktadresse:

Kersten Penni
Master Principal LMS Strategic Accounts Consultant
Oracle Deutschland B.V. & Co. KG
Hamborner Str. 51
D-40472 Düsseldorf

Telefon: +49 (211) 74839 592
Fax: +49 (211) 74839 222
E-Mail: kersten.penni@oracle.com
Internet: www.oracle.com