



ORACLE®

Erfahrungsbericht Oracle VM im Praxiseinsatz

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Vorgeschichte – VMWare ESXi

The screenshot displays the vSphere Client interface for a VMware ESXi host. The main window shows the configuration for a data store named 'datastore_oracle'. The interface is divided into several sections:

- Hardware:** Includes Systemstatus, Prozessoren, Arbeitsspeicher, Speicher, Netzwerk, Speicheradapter, Netzwerkadapter, and Erweiterte Einstellungen.
- Software:** Includes Lizenzierte Funktionen, Uhrzeitkonfiguration, DNS und Routing, and VM starten/herunterfahren.
- Datenspeicher (Data Store):** Shows a table with columns for Identifikation, Gerät, Kapazität, Frei, Typ, and Letztes Update. The entry for 'datastore_oracle' is highlighted, showing a capacity of 1,36 TB and 85,17 GB free space.
- Datenspeicherdetails (Data Store Details):** Provides more information about 'datastore_oracle', including its location (/vmfs/volumes/4b6ad434-4...) and a pie chart showing the usage of the 1,36 TB capacity (1,28 TB used, 85,17 GB free).
- Erweiterungen (Extensions):** Lists the local VMware disk and the formatted total capacity of 1,36 TB.

An open window titled 'Datenspeicherbrowser - [datastore_oracle]' shows a file browser view of the data store. It contains a table with columns for Name, Größe, Typ, and Pfad. The contents are as follows:

Name	Größe	Typ	Pfad
redoracle1		Ordner	[datastore_oracle] redoracle1
redoracle2		Ordner	[datastore_oracle] redoracle2
redoracle3		Ordner	[datastore_oracle] redoracle3
shared		Ordner	[datastore_oracle] shared
Oracle_Enterprise_Linux_R5U4...	3.418.594,00 KB	ISO-Image	[datastore_oracle]

The bottom of the interface shows a task list with columns for Name, Ziel, Status, Details, Initiiert durch, and Angeforderte SI. The user 'hheineck' is logged in.

Übersicht der Geräte

HP ProLiant DL380 G5

oracle-vm-manager.hof-university.de



HP ProLiant DL360 G7

oracle-vm-server1.hof-university.de

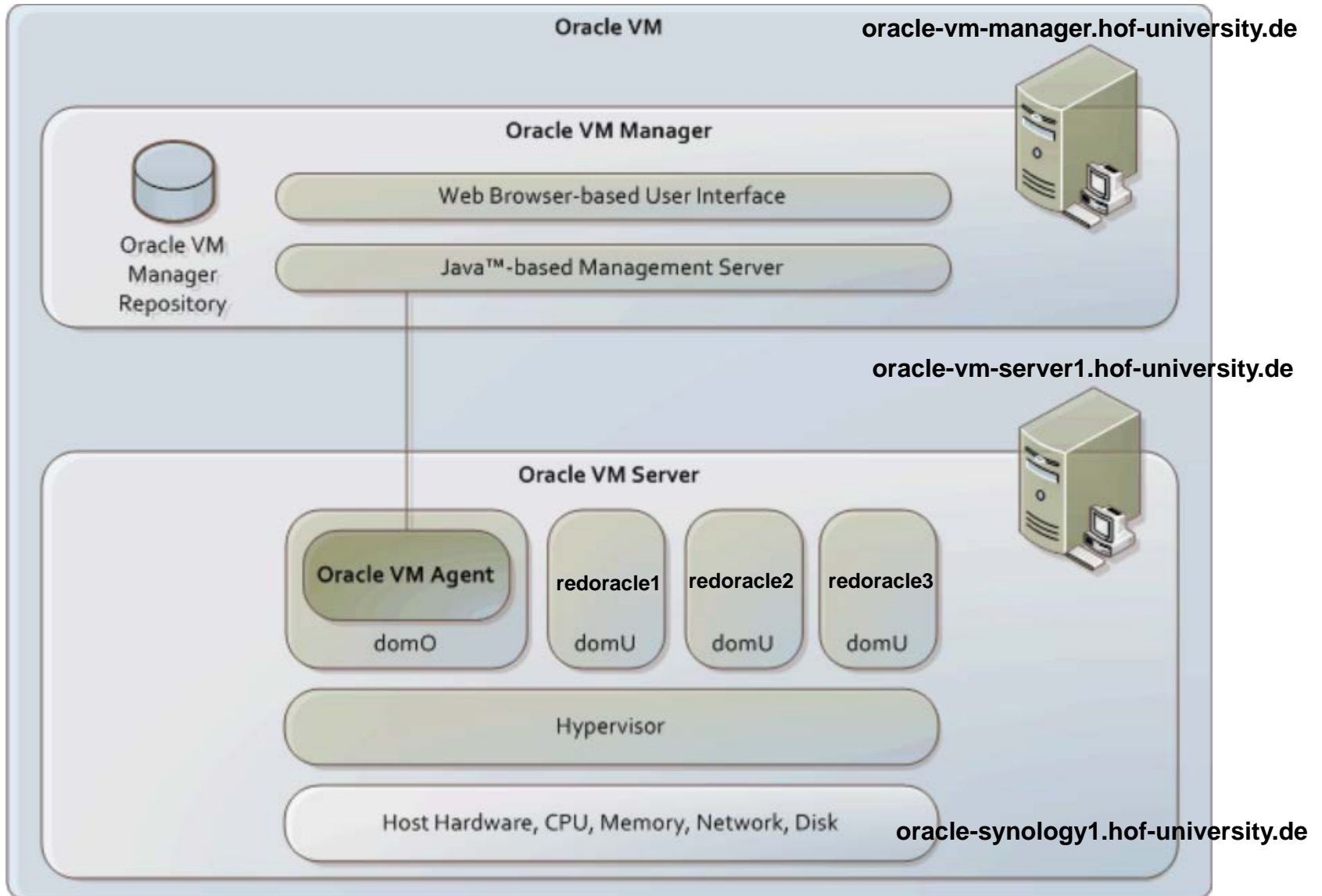


Synology RackStation RS2211+

oracle-synology1.hof-university.de



Übersicht der Geräte



oracle-vm-manager

HP ProLiant DL380 G5

oracle-vm-manager.hof-university.de



- Oracle Enterprise Linux 6.2
- Oracle VM-Manager 3.2.6
- Oracle Database 11.2.0.3

oracle-vm-server1

HP ProLiant DL360 G7

oracle-vm-server1.hof-university.de

- Oracle VM-Server 3.2.7
- 4 virtuelle Maschinen:
 - redoracle1.hof-university.de
 - redoracle2.hof-university.de
 - redoracle3.hof-university.de
 - redoracle4.hof-university.de



oracle-synology1

Synology RackStation RS2211+

oracle-synology1.hof-university.de



- DSM 4.3
- 10 * 3 Tera Byte

The screenshot shows the 'Speicher-Manager' (Storage Manager) interface. It displays the 'Volume' section for 'Volume 1', which is a Synology Hybrid RAID (SHR) volume. The volume is using 46.73% of its capacity (11.28 TB) and has 53.27% available (12.86 TB). The interface also shows a table of drive information for 10 drives, all of which are 2.73 TB and in a 'Normal' status.

Datenträger-Informationen			
	Nummer	Plattengröße	Status
RS2211+	Datenträger 1	2.73 TB	Normal
RS2211+	Datenträger 2	2.73 TB	Normal
RS2211+	Datenträger 3	2.73 TB	Normal
RS2211+	Datenträger 4	2.73 TB	Normal
RS2211+	Datenträger 5	2.73 TB	Normal
RS2211+	Datenträger 6	2.73 TB	Normal
RS2211+	Datenträger 7	2.73 TB	Normal
RS2211+	Datenträger 8	2.73 TB	Normal
RS2211+	Datenträger 9	2.73 TB	Normal
RS2211+	Datenträger 10	2.73 TB	Normal

Dokumentation und Software

- Dokumentation
 - Oracle VM Server for x86 and Oracle VM Manager Release 3.2.1
- Software
 - Oracle Enterprise Linux 6.2
 - Oracle VM Manager 3.2.6
 - Oracle VM Server 3.2.7

Oracle VM Manager - Anmeldebild

The screenshot shows a Mozilla Firefox browser window titled "Oracle VM Login - Mozilla Firefox". The address bar contains the URL: `https://oracle-vm-manager.hof-university.de:7002/ovm/console/faces/login.jspx?_afzLoop=2469111695686101&_afzWindowMode=`. The browser's menu bar includes "Datei", "Bearbeiten", "Ansicht", "Chronik", "Lesezeichen", "Extras", and "Hilfe". The address bar also shows a search engine icon and the text "HP ProCurve Switch 2810-24G". The browser's tab bar shows several tabs, including "Setup Home", "CV-7428nS Control Pa...", "D-Link AP Web Manag...", "Hochschule", "Oracle", "Oracle University", "Downloads", "Kaufen", "privat", "Urlaub", and "FBT-Informatik". The main content area displays the "ORACLE VM Manager" logo and a central login dialog box. The dialog box is titled "Welcome" and contains the text "Log in to the Oracle VM Manager". It features two input fields: "* Username:" and "* Password:". Below the input fields is a link for "> Accessibility Options" and a "Login" button. At the bottom of the browser window, the copyright notice reads: "Copyright © 2007, 2012 Oracle and/or its affiliates. All rights reserved. Oracle VM Manager 3.2.6.726". The system tray at the bottom right shows the date "15", the current time "Jetzt: 7°C", and weather forecasts for "Sa: 9°C" and "So: 3°C".

Oracle VM Manager – Getting Started

Oracle VM Home - Mozilla Firefox

https://oracle-vm-manager.hof-university.de:7002/ovm/console/faces/resource/resourceView.jspx?_afriWindowMode=0&_afri

Setup Home CV-7428nS Control Pa... D-Link AP Web Manag... Hochschule Oracle Oracle University Downloads Kaufen privat Urlaub FBT-Informatik

Oracle VM Home

ORACLE VM Manager

Logged in as: admin Logout Settings Help

Health Servers and VMs Repositories Networking Storage Tools and Resources Jobs

Status Overview Statistics

Display Parameters: Number of Columns: 3 Refresh Interval: 30 Seconds Order By: Total Servers Down

Utilization Thresholds: Server Processor %: 70 Server Memory %: 70 VM Processor %: 70

Server Pool: Oracle-VM-Server-Pool

Utilization Over the Maximum Limit:
Server Processors: 0 / 1
Server Memory: 1 / 1
VM Processors: 0 / 4

Getting Started

Oracle® VM
Getting Started

Table of Contents

- Discover Oracle VM Servers
 - Discovering Oracle VM Servers
- Discover Storage
 - Discovering a file server
 - Discovering a SAN server
- Create a Virtual Machine Network
 - Creating a virtual machine network
- Create VNICs
 - Creating VNICs
- Create a Server Pool
 - Creating a server pool
- Create a Storage Repository
 - Creating a storage repository
- Add Resources to Storage Repository

ABP x SP 5 Jetzt: 7°C Sa: 9°C So: 3°C

Oracle VM Manager - Storage

The screenshot shows the Oracle VM Manager interface in a Mozilla Firefox browser window. The page title is "Oracle VM Home - Mozilla Firefox" and the address bar shows the URL: https://oracle-vm-manager.hof-university.de:7002/ovm/console/faces/resource/resourceView.jspx?_afWindowMode=0&_af. The browser's address bar also shows "HP ProCurve Switch 2810-24G".

The Oracle VM Manager interface is displayed, showing the "Storage" tab selected. The "Perspective" is set to "Physical Disks". The "Name Filter" is empty. The main content area displays a table of ASM disks:

Name	Event Severity	Size (GiB)	Server	Status	Shareable	Description
▶ ASM001	Normal	200.0	oracle-vm-server1	Online	√	LUN ASM001 für DATA_0000
▶ ASM002	Normal	200.0	oracle-vm-server1	Online	√	LUN ASM002 für DATA_0001
▶ ASM003	Normal	200.0	oracle-vm-server1	Online	√	LUN ASM003 für DATA_0002
▶ ASM004	Normal	200.0	oracle-vm-server1	Online	√	LUN ASM004 für DATA_0003
▶ ASM005	Normal	200.0	oracle-vm-server1	Online	√	LUN ASM005 für DATA_0004
▶ ASM006	Normal	200.0	oracle-vm-server1	Online	√	LUN ASM006 für DATA_0005
▶ ASM007	Normal	200.0	oracle-vm-server1	Online	√	LUN ASM007 für DATA_0006
▶ ASM008	Normal	200.0	oracle-vm-server1	Online	√	LUN ASM008 für DATA_0007

At the bottom of the interface, there is a "Job Summary" section showing: 7 Total Jobs, 0 Pending, 0 In Progress, 1 Failed, 0 Aborted, and 6 Complete. Below this is a table with columns for Description, Status, Message, Abort, and Details.

The system tray at the bottom right shows the date and time: "Jetzt: 7°C", "Sa: 9°C", "So: 3°C".

Oracle VM Manager – Server and VMs

The screenshot shows the Oracle VM Manager interface in a Mozilla Firefox browser. The main content area displays a table of virtual machines under the 'Virtual Machines' perspective. The table includes columns for Name, Status, Tag(s), Event Severity, Server, Max. Memory (MB), Memory (MB), Max. Processors, and Processors. Four VMs are listed: redoracle1 (Running), redoracle2 (Running), redoracle3 (Running), and redoracle4 (Stopped). All VMs are associated with the server 'oracle-vm-server1' and have a maximum memory of 16384 MB.

Name	Status	Tag(s)	Event Severity	Server	Max. Memory (MB)	Memory (MB)	Max. Processors	Processors	Ki
redoracle1	Running		Normal	oracle-vm-server1.	16384	16384	3	2	de
redoracle2	Running		Normal	oracle-vm-server1.	16384	16384	3	2	de
redoracle3	Running		Normal	oracle-vm-server1.	16384	16384	3	2	de
redoracle4	Stopped		Normal	oracle-vm-server1.	16384	16384	3	2	de

Below the table, a 'Job Summary' section provides an overview of system jobs: 7 Total Jobs, 0 Pending, 0 In Progress, 1 Failed, 0 Aborted, and 6 Complete. A table below this summary lists job details with columns for Description, Status, Message, Abort, and Details.

Oracle VM Manager - Repositories

The screenshot shows the Oracle VM Manager web interface in a Mozilla Firefox browser. The browser address bar shows the URL: `https://oracle-vm-manager.hof-university.de:7002/ovm/console/faces/resource/resourceView.jspx?_afWindowMode=0&_af...`. The page title is "Oracle VM Home". The interface includes a navigation menu with tabs: Health, Servers and VMs, Repositories (selected), Networking, Storage, Tools and Resources, and Jobs. The "Repositories" tab is active, displaying a table of ISO files. The table has columns for Name, Size (GiB), and Description. The data rows are as follows:

Name	Size (GiB)	Description
oel6u1.iso	3.2	Import URL: ftp://?uname?:?pwd?@192.168.76.50/pub/oel6u1.iso
oel6u2.iso	3.34	Import URL: ftp://?uname?:?pwd?@192.168.76.50/pub/oel6u2.iso
oel6u3.iso	3.42	Import URL: ftp://?uname?:?pwd?@192.168.76.50/pub/oel6u3.iso
oel6u4.iso	3.47	Import URL: ftp://?uname?:?pwd?@192.168.76.50/pub/oel6u4.iso
oel6u5.iso	3.62	Import URL: ftp://?uname?:?pwd?@192.168.76.50/pub/oel6u5.iso

Below the table, there is a "Job Summary" section showing: 7 Total Jobs, 0 Pending, 0 In Progress, 1 Failed, 0 Aborted, and 6 Complete. A table below this summary has columns for Description, Status, Message, Abort, and Details.

Oracle VM Manager – Virtual NICs

Oracle VM Home - Mozilla Firefox
Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe
https://oracle-vm-manager.hof-university.de:7002/ovm/console/faces/resource/resourceView.jspx?_afWindowMode=0&_af... HP ProCurve Switch 2810-24G
Setup Home CV-7428nS Control Pa... D-Link AP Web Manag... Hochschule Oracle Oracle University Downloads Kaufen privat Urlaub FBT-Informatik
Oracle VM Home +
ORACLE VM Manager Logged in as: admin Logout Settings Help

Health Servers and VMs Repositories **Networking** Storage Tools and Resources Jobs
Networks VLAN Groups **Virtual NICs**


Create Virtual NICs
Initial Address: 00 : 21 : f6 : : : : Auto Fill Create: 20 Create

Ansicht X

Virtual NIC	Network	Assigned to VM
00:21:f6:00:01:01	Oracle-Public-Netzwerk	redoracle1
00:21:f6:00:01:02	Oracle-Public-Netzwerk	redoracle1
00:21:f6:00:01:03	Oracle-Privates-Netzwerk	redoracle1
00:21:f6:00:01:04	Oracle-Privates-Netzwerk	redoracle1
00:21:f6:00:02:01	Oracle-Public-Netzwerk	redoracle2
00:21:f6:00:02:02	Oracle-Public-Netzwerk	redoracle2
00:21:f6:00:02:03	Oracle-Privates-Netzwerk	redoracle2
00:21:f6:00:02:04	Oracle-Privates-Netzwerk	redoracle2

MAC addresses must be unique or collisions may occur if you are running multiple OVM Manager Server applications.

ABP x SP 5 Jetzt: 7°C Sa: 9°C So: 3°C



Q U E S T I O N S
A N S W E R S