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Agenda

- Oracle VM 3.3
 - What's New
- Windows PV Drivers 3.2.2
- Q&A

Oracle VM 3.3 Key Themes Summary

- Infrastructure improvements to provide greater stability and better performance for larger deployments
- Automation and usability improvements
 - Fully supported public WS-API and corresponding CLI, enabling more automation and interoperability
 - Redesigned VM console access
 - Near parity between the UI and CLI for user consistency between the two interfaces
 - Numerous user interface and serviceability enhancements
- Greater diversity...
 - Enhanced Oracle VM Server for SPARC support
 - Improved feature support for x86 environments (e.g. Huge Pages support)
 - Better handling of common networking implementations (e.g. VLANs)

What's New in Oracle VM Manager 3.3

Infrastructure

- Infrastructure change to support larger and more diverse environments
 - Weblogic Server 12c
 - Java 7
 - GUI/CLI implementation switched to WS-APIs
- Greater simplicity with the bundled MySQL Enterprise Edition, without dependency on an external database as the management repository
 - This change allows for improved supportability, automated backups by default, backup restoration tools, etc.

What's New in Oracle VM Manager 3.3

Programmability

- Fully supported Web-Services API
 - Oracle VM Manager now exposes a fully supported web-services API that offers both SOAP and REST interfaces to program any action supported within Oracle VM.
 - Developer's Guide provided as part of the documentation set

What's New in Oracle VM Manager 3.3

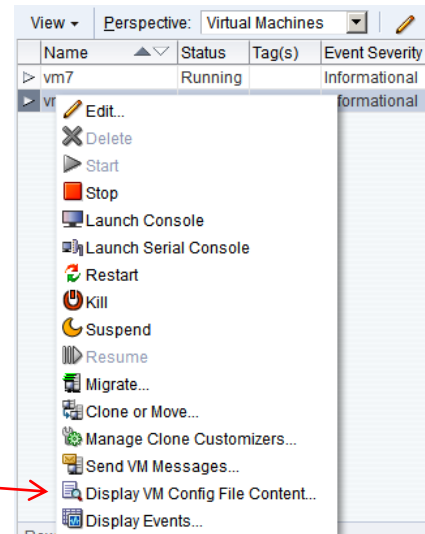
Serviceability and Usability Improvements

- New VM console

- Redesigned to use JavaScript and HTML5 features so that there is no requirement to install or run software locally on the client computer.
- This change reduces complexity and provides a more reliable console tool.

- Virtual machine configuration file view

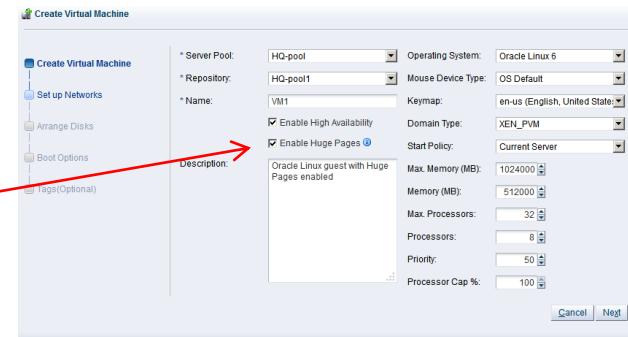
- View the virtual machine configuration file for any virtual machine directly within the Oracle VM Manager UI and CLI



What's New in Oracle VM Manager 3.3

Performance

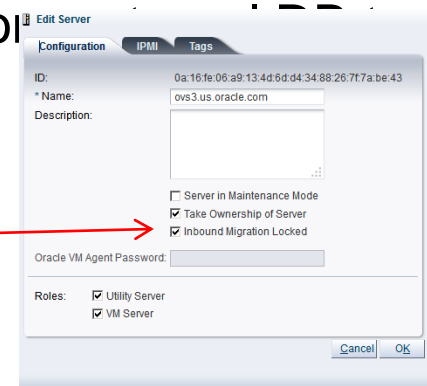
- New statistics and events model
- Server notification thresholding.
- Huge Pages support
- Improvements to messaging with guest VM
- Other code changes
 - Various portions of the code-base have been rewritten to enhance performance in environments that have been scaled up to make use of many disks, repositories, servers or virtual machines.



What's New in Oracle VM Manager 3.3

Reliability

- Database consolidation
 - Bundled MySQL EE with automated database backup and integrated tools for database object consistency checking
 - No need for external DB as the backend management repository
 - Upgrade tool provides seamless migration from MySQL for existing deployments
- Inbound migration lock
 - Allows you to protect a server from attempts to move or migrate other virtual machines to that server



What's New in Oracle VM Manager 3.3

Networking Improvements

- Improved VLAN support
 - VLAN support has been simplified, and introduces the concept of a VLAN Interface, allowing you to simply define which ports are used for which VLAN tags.
 - You can define VLAN Interfaces as you need them and many of the restrictions on using VLANs within Oracle VM have been removed.
- Added support for HTTP proxies when importing an OVF assembly, virtual disk or virtual CDROM.

What's New in Oracle VM Manager 3.3

Security

- Certificate-based authentication
 - Oracle VM Agent now uses SSL certificates to authenticate requests from Oracle VM Manager once the server has been discovered.
 - Certificate-based authentication can be used for all web service API requests, to ease automation while retaining a better security model for authentication.

What's New in Oracle VM Manager 3.3

Documentation

- New Guides and Improved Interface Coverage
 - Oracle VM Manager User's Guide
 - Oracle VM Concepts Guide
 - Oracle VM Administrator's Guide
 - Oracle VM WS-API Developer's Guide

What's New in Oracle VM Server 3.3

- Infrastructure changes in Oracle VM Server
 - Upgrades the hypervisor from Xen 4.1 to Xen 4.3
 - Upgrades the dom0 kernel to UEK Release 3
 - Brings dom0 user space to Oracle Linux 6
- Oracle VM Server installation partitioning
 - The Installer handles all disk partitioning itself to optimize installation. The remaining disk space can be used to host a repository or can be attached to a virtual machine.
- Upgrade multiple servers or pools using the bundled tool (UpgradeServers.py)
 - Supports server upgrade from 3.1/3.2 to 3.3

Windows PV Drivers 3.2.2



What's New in Windows PV Drivers 3.2.2

- Adds support for the following new guest OSs:
 - Microsoft Windows Server 2012 R2
 - Microsoft Windows Server 2012
 - Microsoft Windows 8.1
 - Microsoft Windows 8
- Drops Windows XP from the supported OS list
- Tested on larger configurations:
 - Maximum number of vCPUs: 32
 - Maximum RAM per 32-bit guest: 64GB
 - Maximum RAM per 64-bit guest: 256GB
- The 3.2.2 release is signed by Microsoft

Hardware and Software

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