

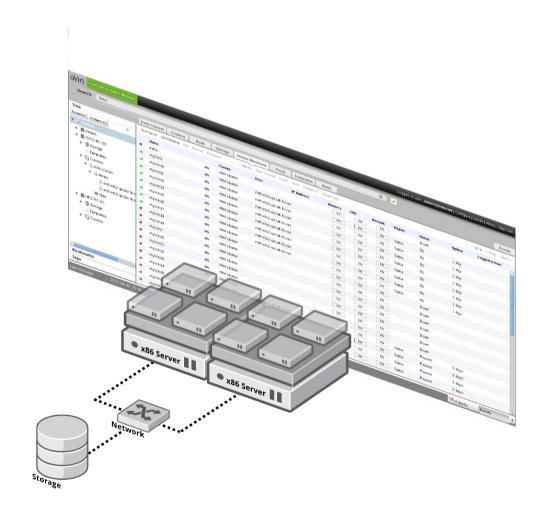
oVirt Introduction

August 2013 Livnat Peer Red Hat

oVirt

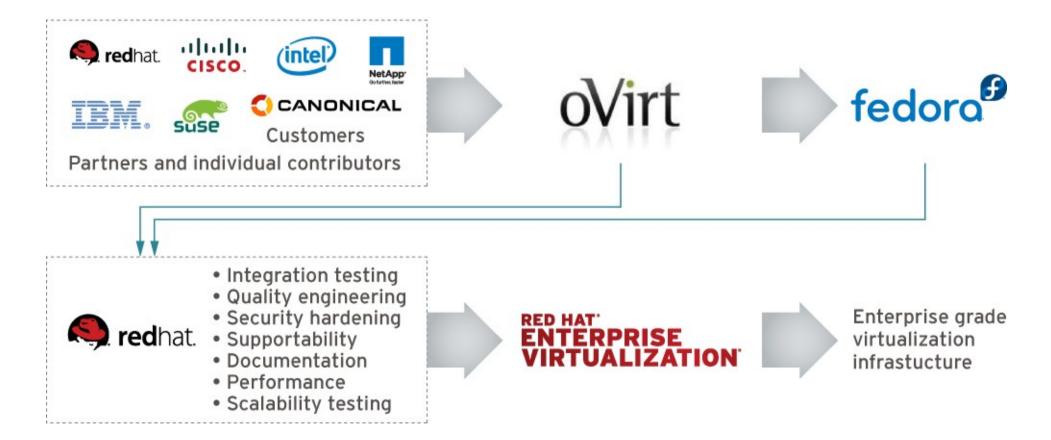
What is oVirt?

- Large scale, centralized management for server and desktop virtualization
- Based on leading performance, scalability and security infrastructure technologies
- Focus on KVM for best integration/performance
- Provides an open source alternative to vCenter/vSphere



oVirt

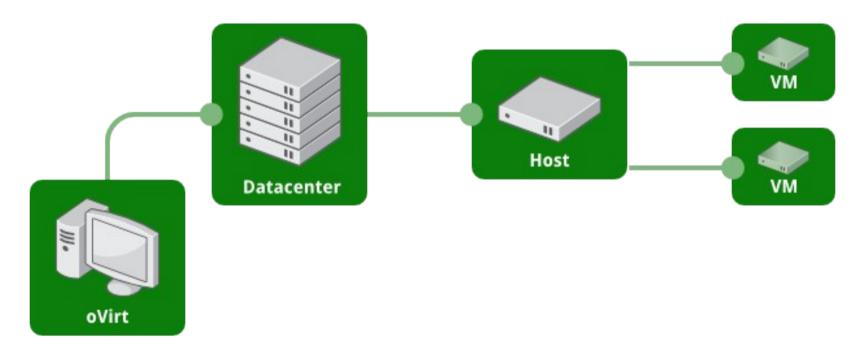
OPEN VIRTUALIZATION MANAGEMENT





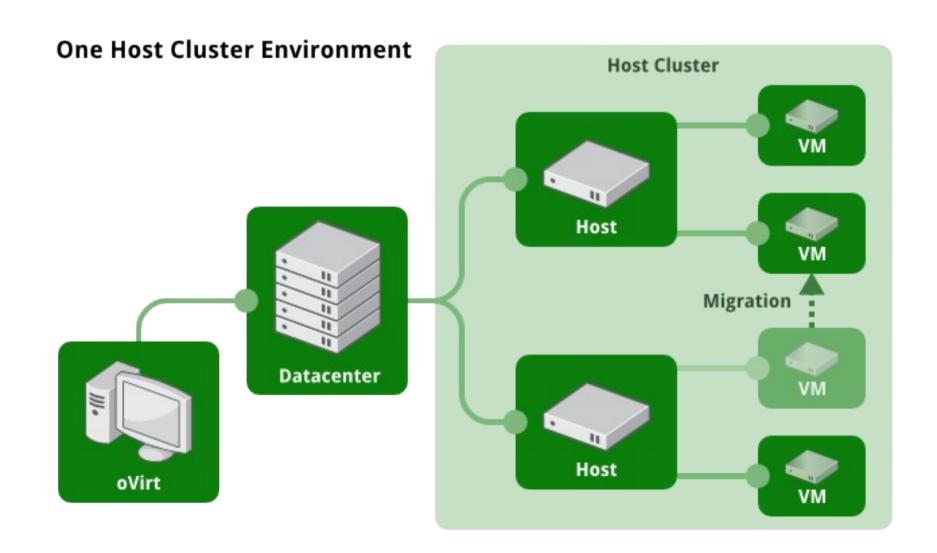
One Host Environment

Basic One Host Environment



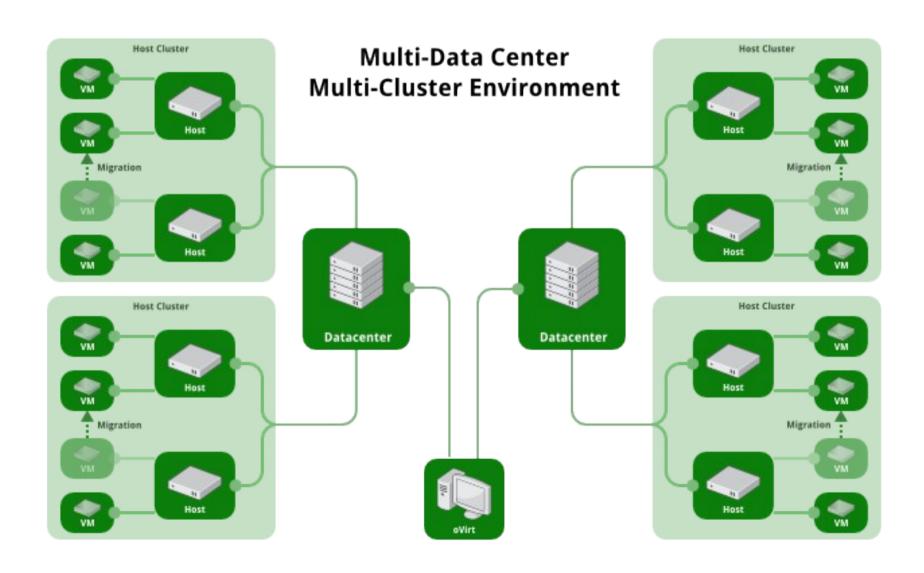
oVirt

Multiple hosts





Multi-Datacenter/Multi-Host



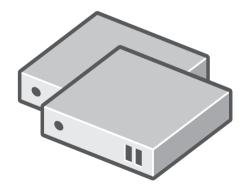
Architecture From 30,000 Feet

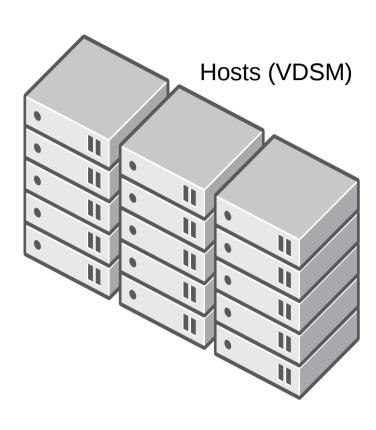


Client (web portals)



Engine









oVirt Users

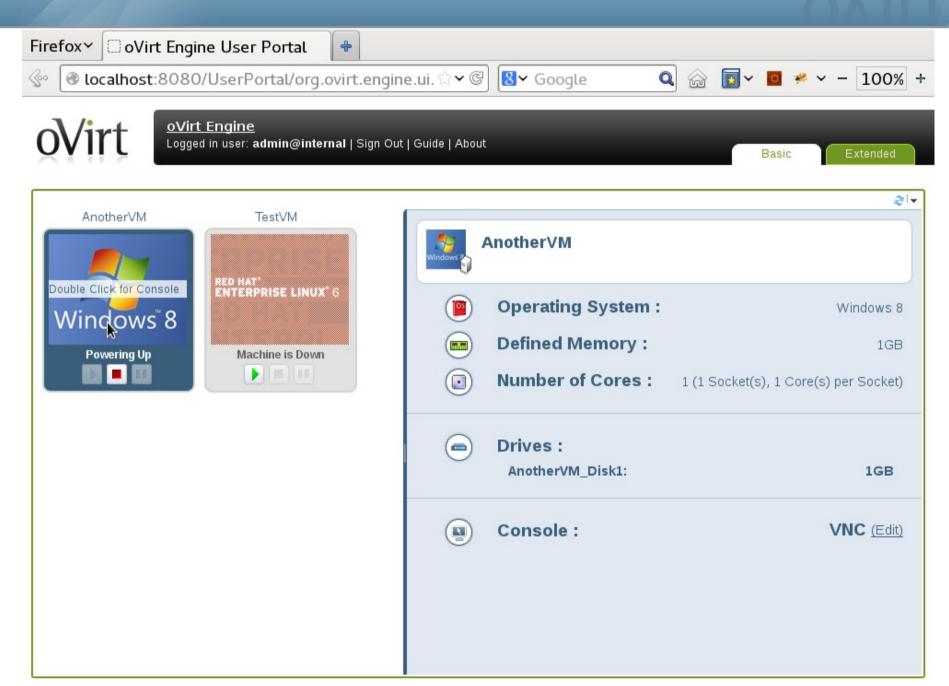




Virtualization Management the oVirt way

User Portal

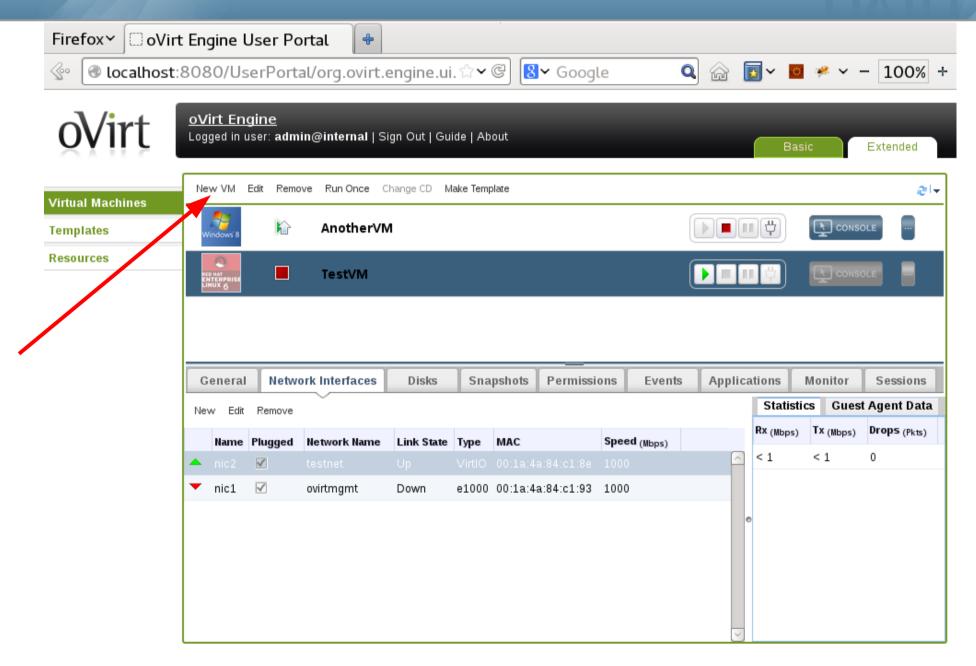


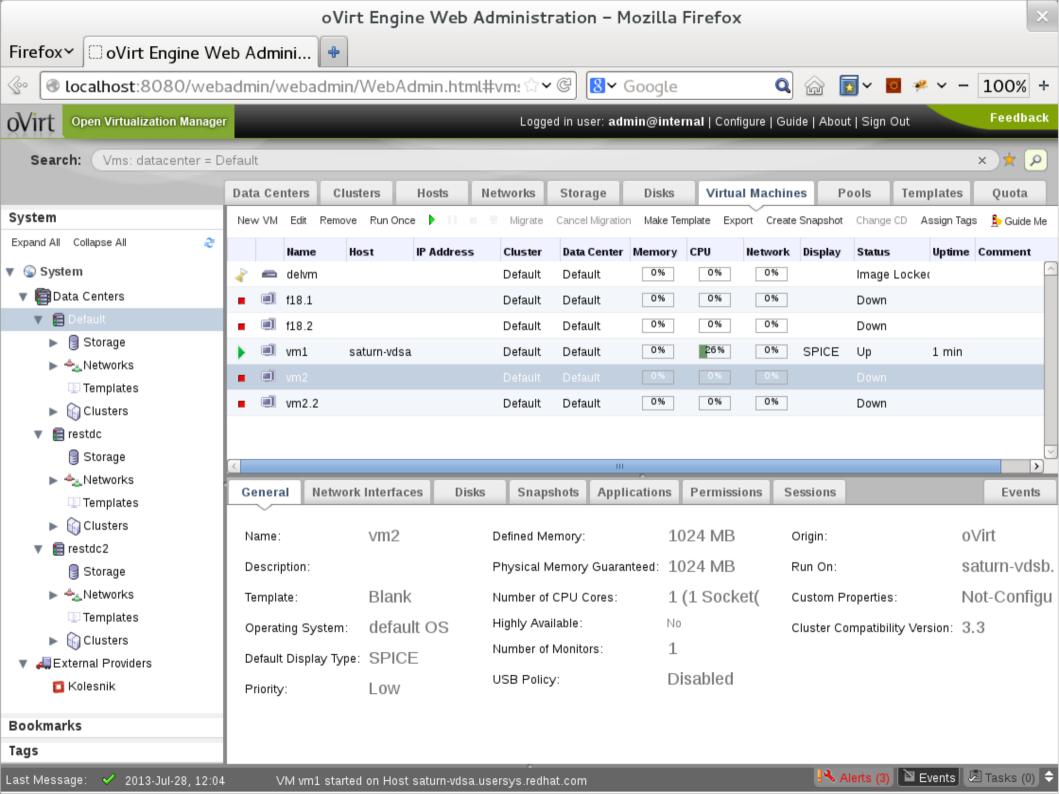


Virtualization Management the oVirt way













From clean setup to VM



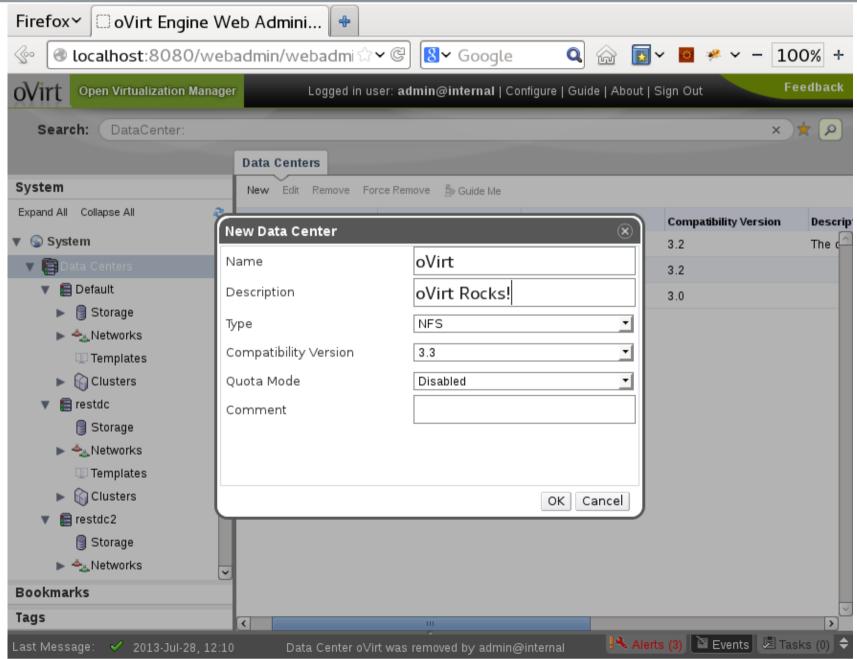
From clean setup to VM



- Create a DC
- Create a Cluster
- Add a Host
- Configure Storage
- Configure Network
- Create a VM
 - From Blank
 - From Template
 - From Snapshot
 - Import VM



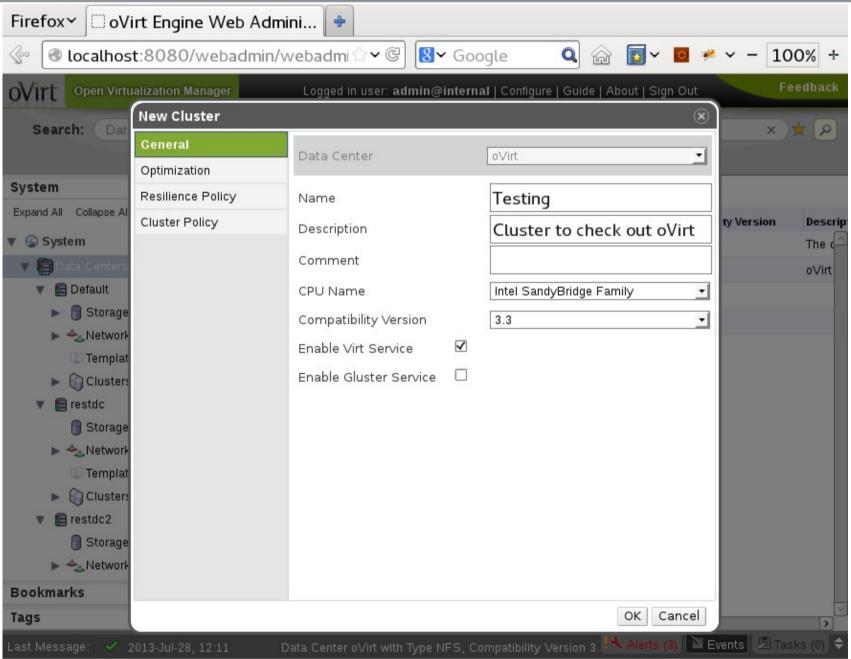




Virtualization Management the oVirt way

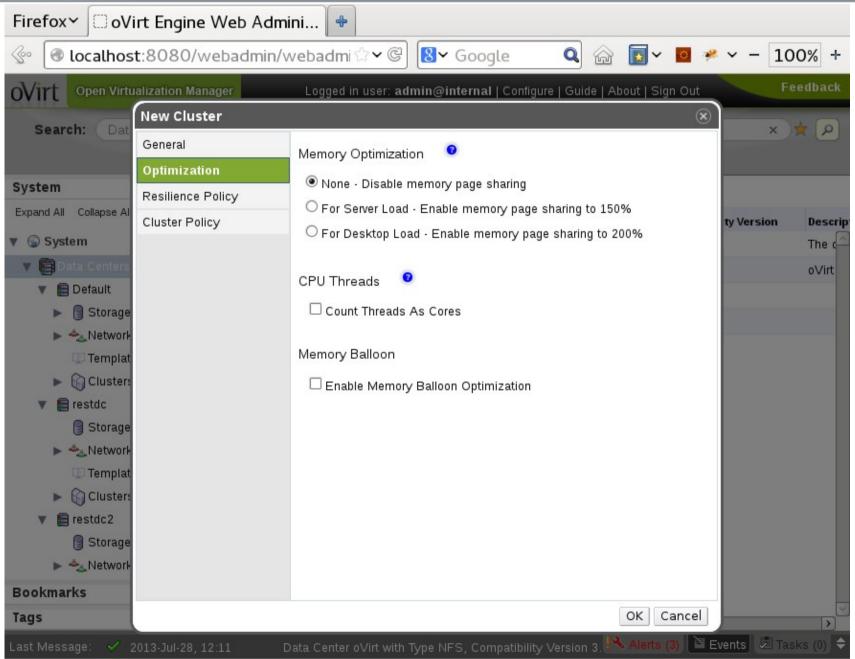








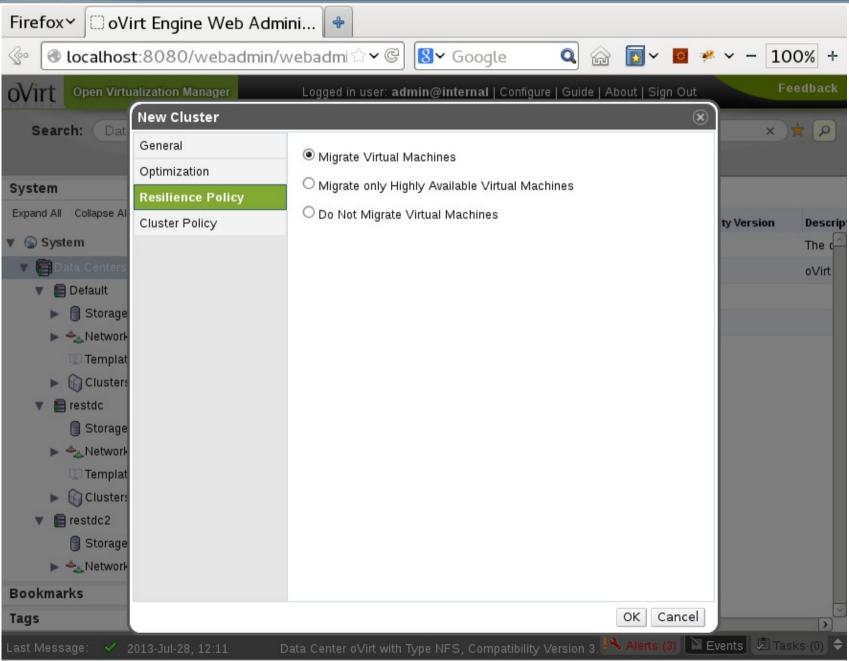




Virtualization Management the oVirt way

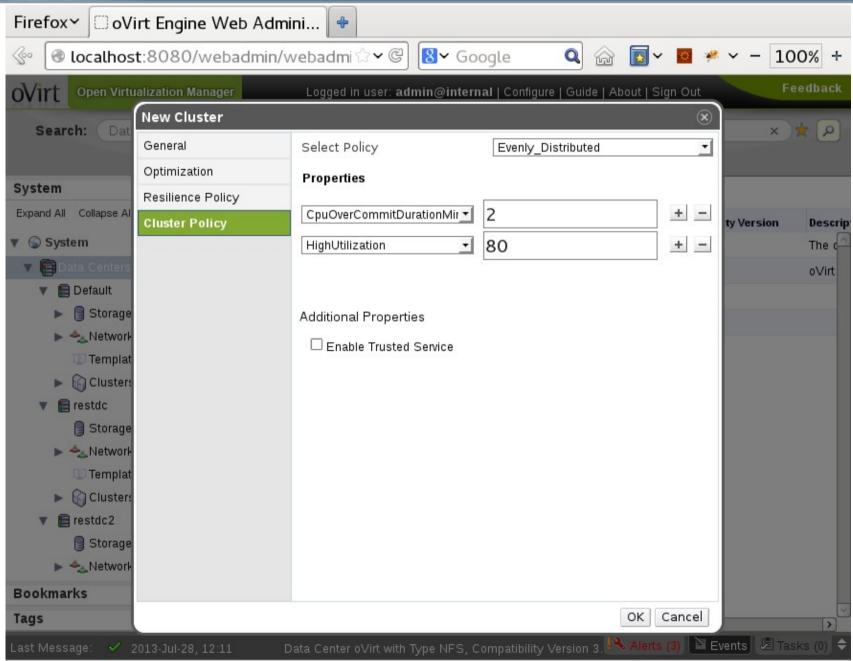






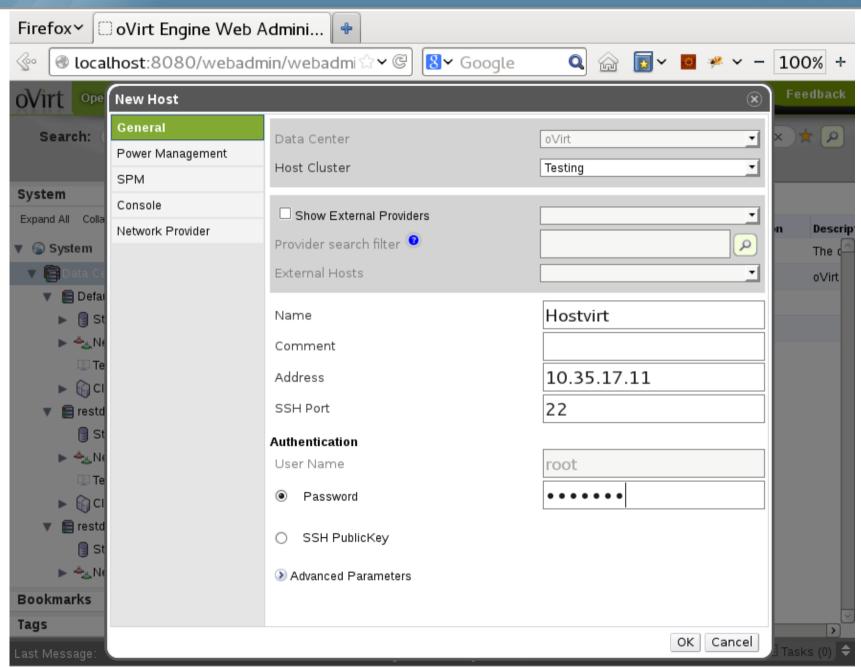








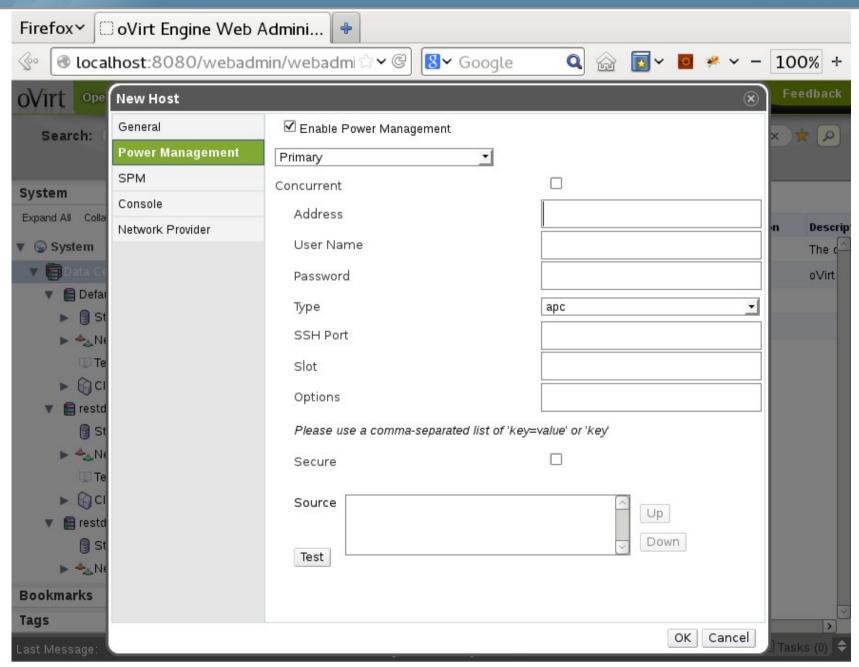




Virtualization Management the oVirt way







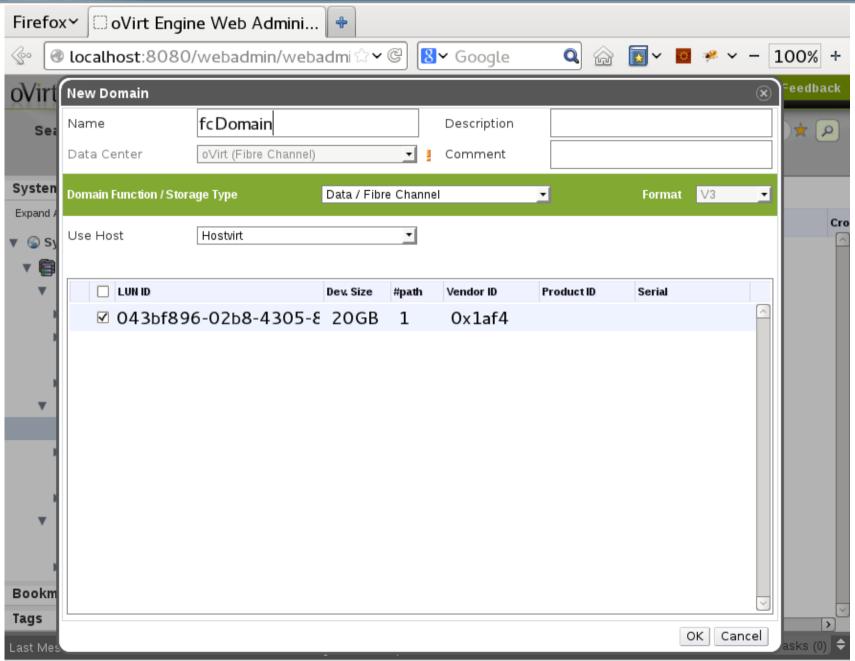
Configure Storage



- Shared Storage
 - NFS
 - POSIX
 - ISCSI
 - FC
 - Gluster
- Local Storage
- Data/Export/ISO

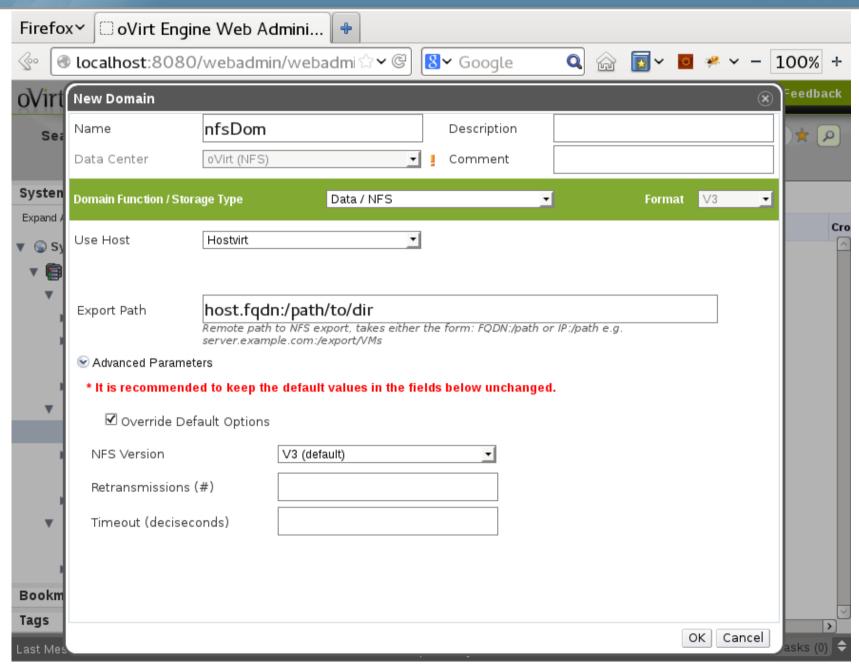


FC Storage Domain



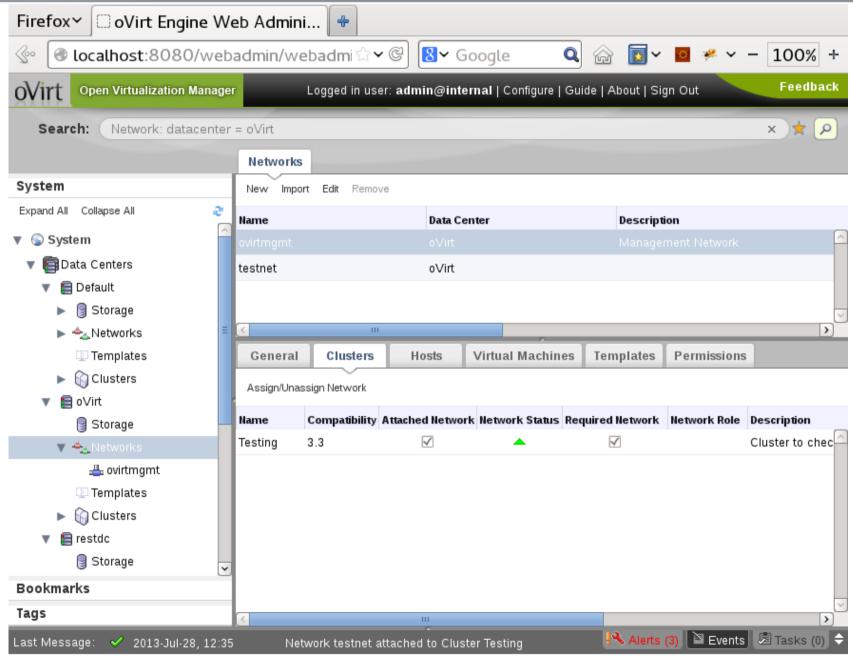






Networks Main Tab

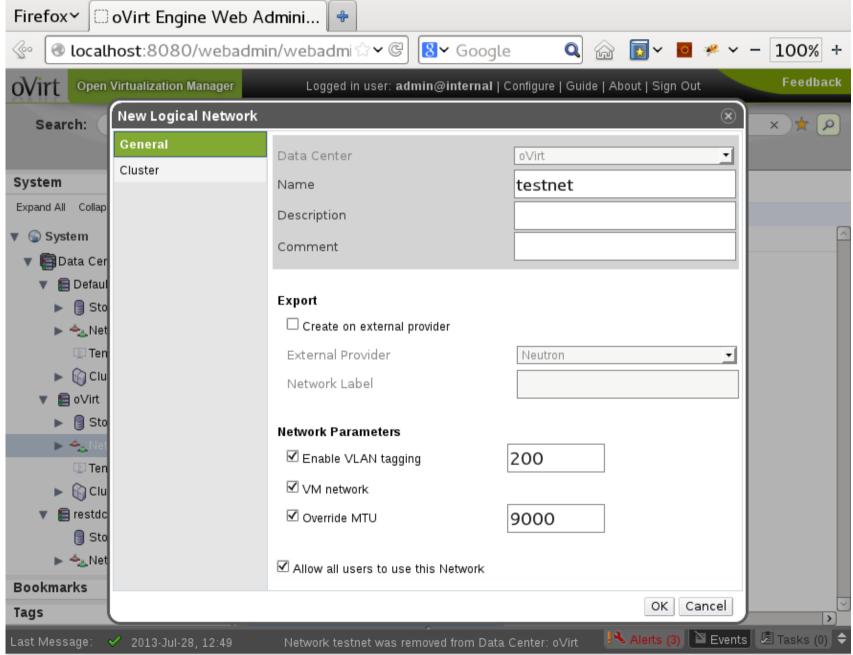




Virtualization Management the oVirt way



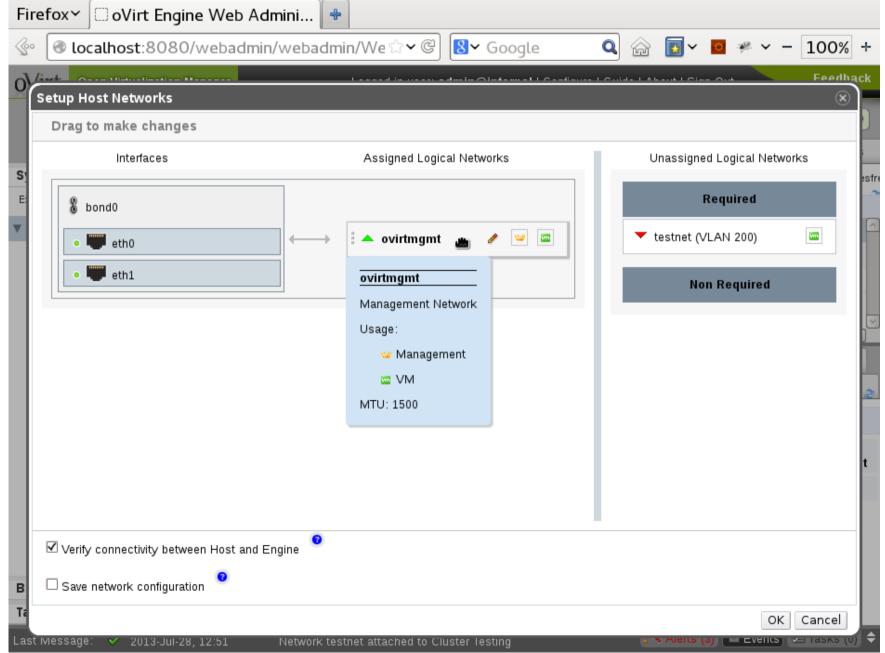




Virtualization Management the oVirt way



Networks – Host Level Configuration



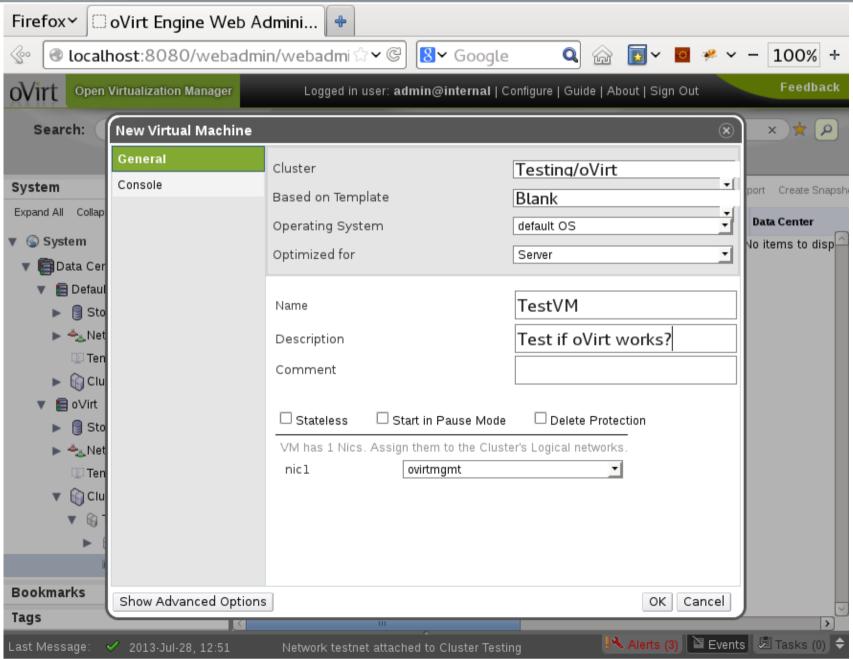
Add VM



- From Blank
- From Template
- From a VM Snapshot
- Import a VM



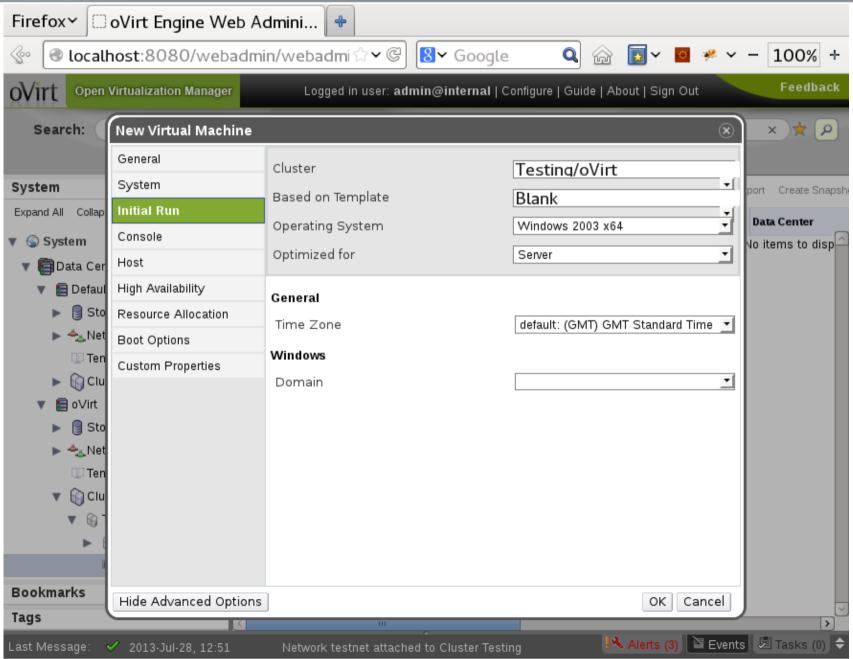




Virtualization Management the oVirt way



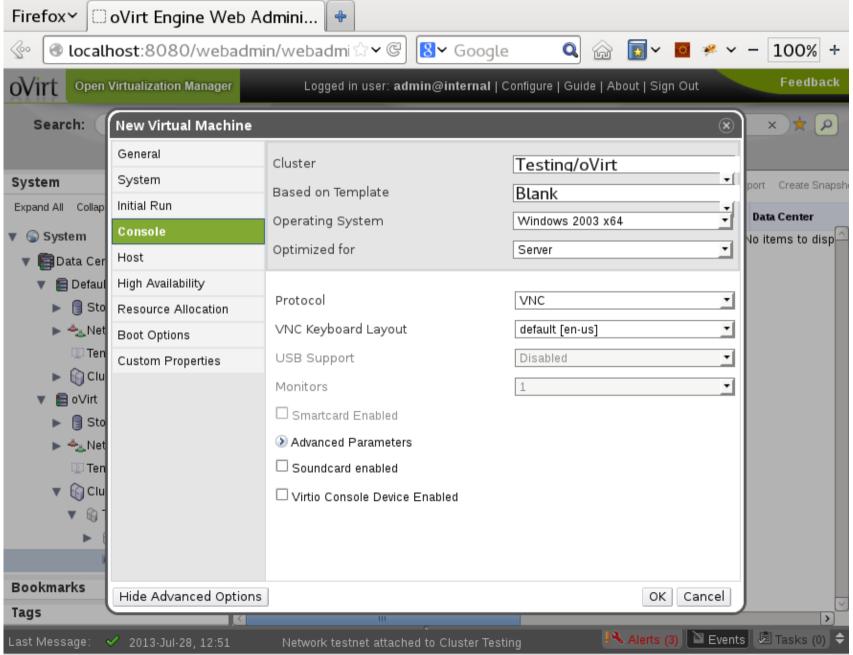




Virtualization Management the oVirt way



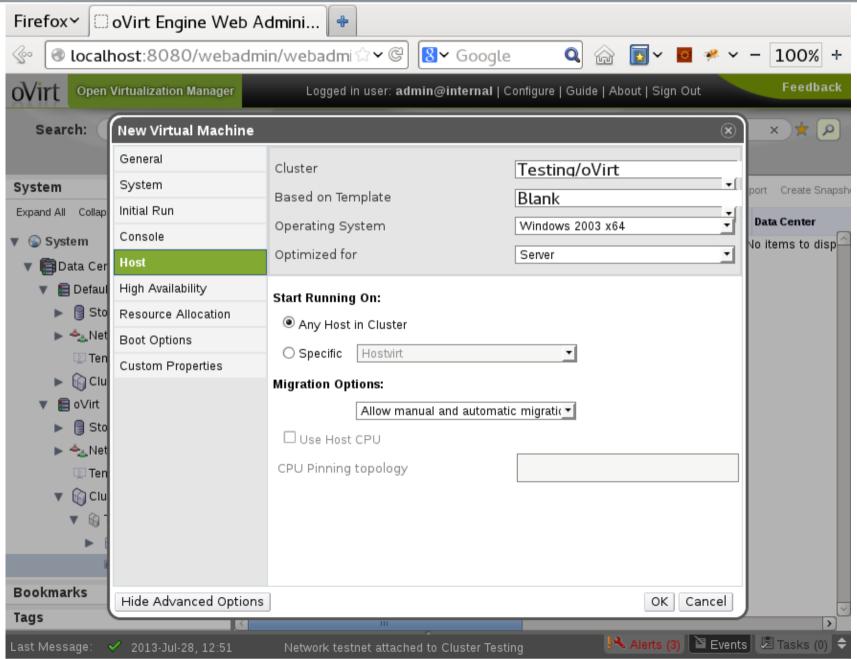
Console Details (SPICE or VNC)



Virtualization Management the oVirt way



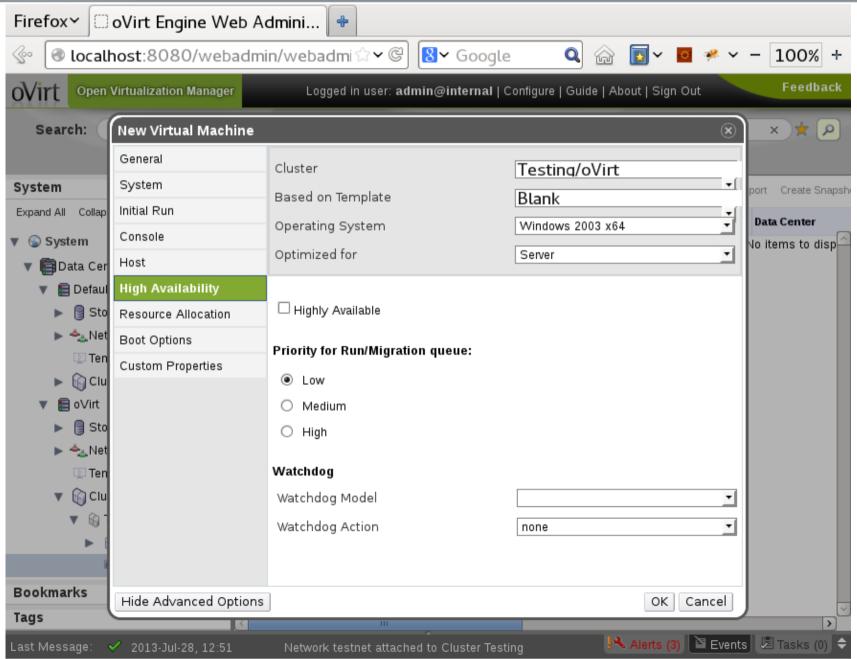




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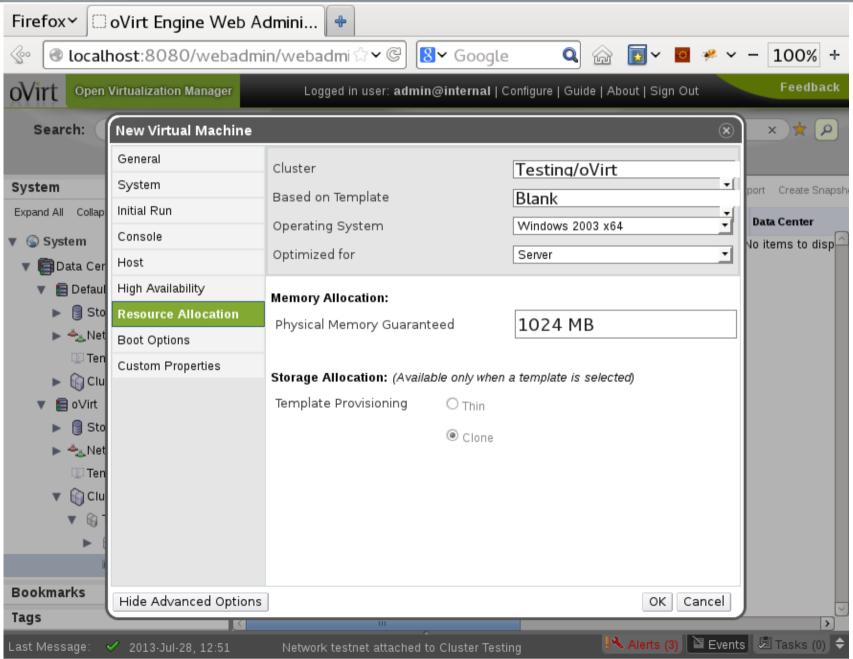




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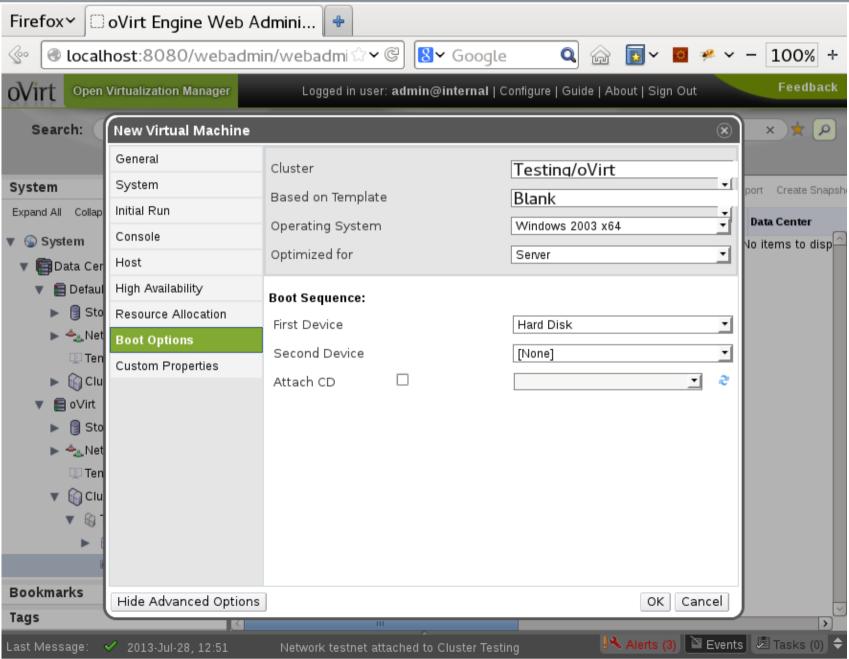
Control Allocated Resources (Disk, Memory)



Virtualization Management the oVirt way

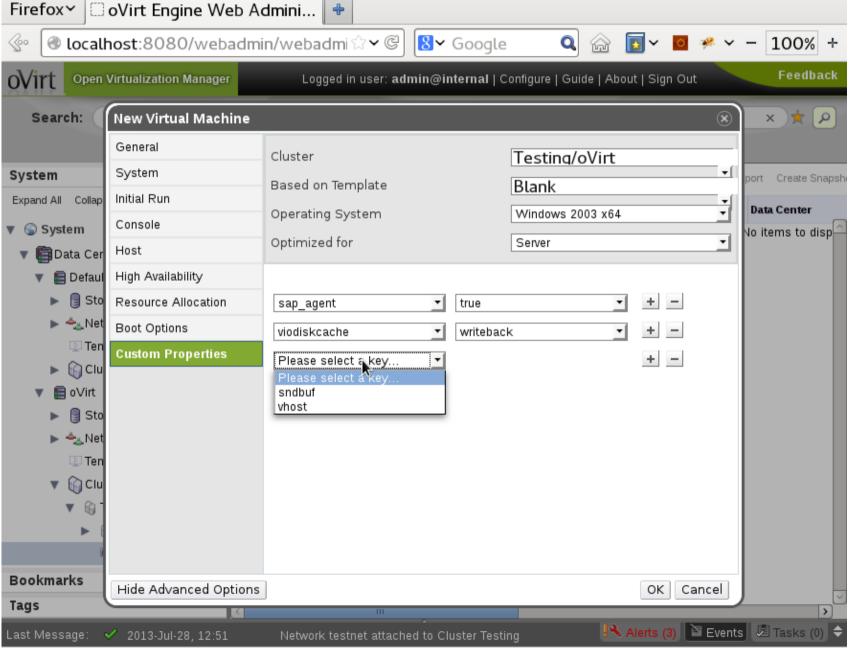






Virtualization Management the oVirt way

Advanced Options via Custom Properties OVITT



From clean setup to VM



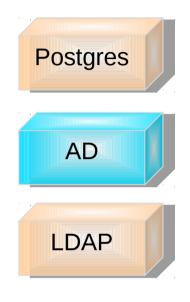
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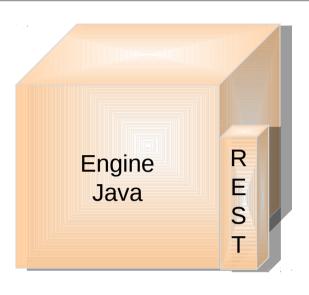
Architecture

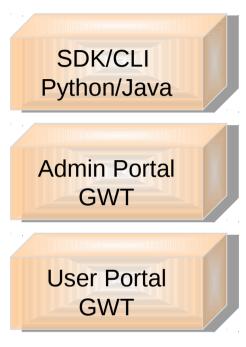


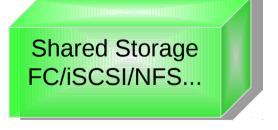
Components Overview

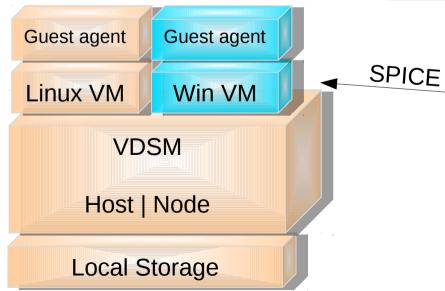








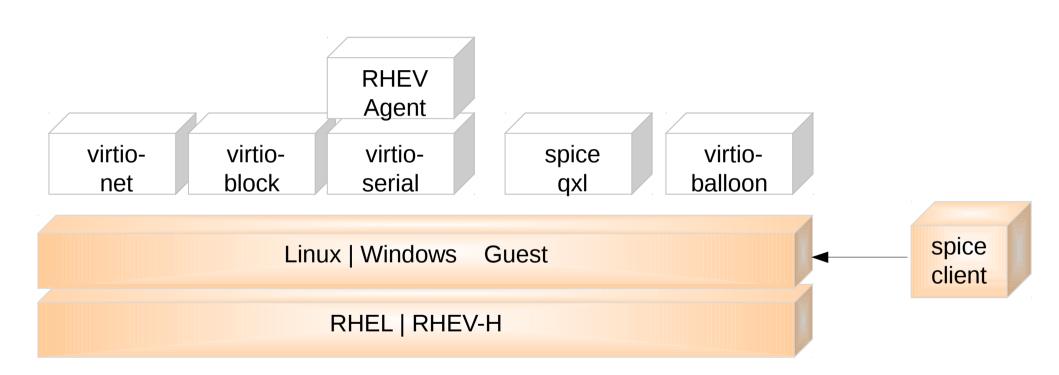




Linux/Windows client

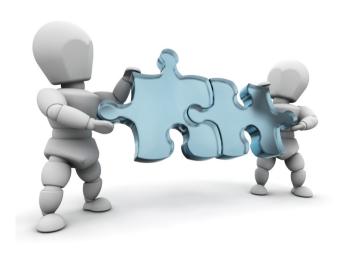
The Guest







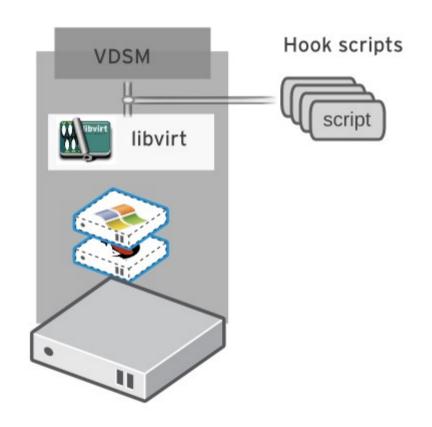
Customization Options



oVirt

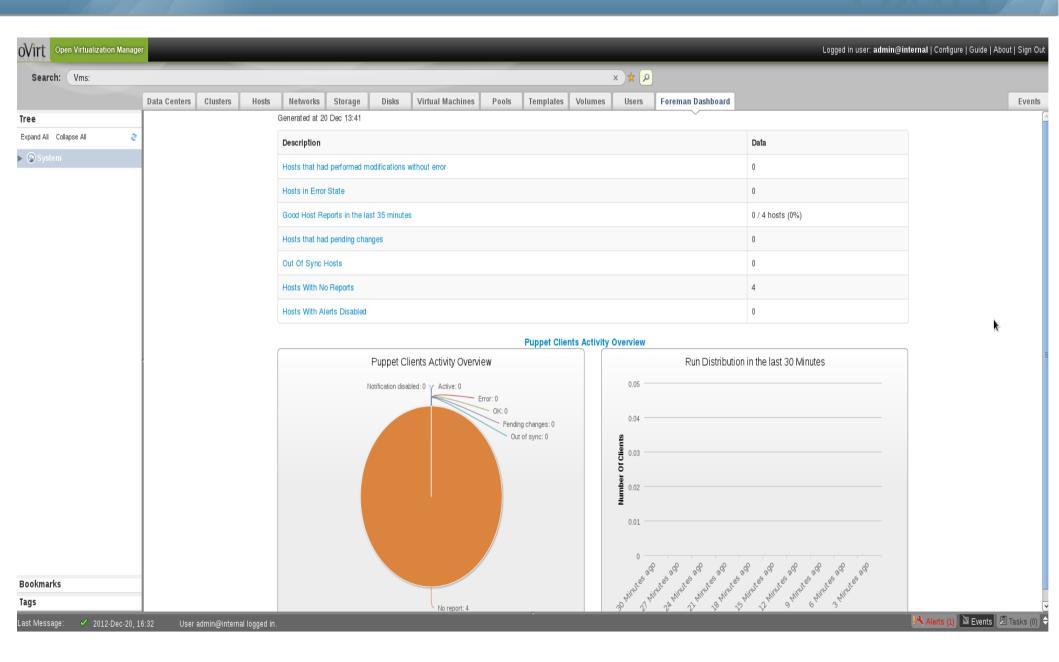
Hooks

- "Hook" mechanism for customization
 - Allows administrator to define scripts to modify VM operation
 - eg. Extend or modify VM configuration



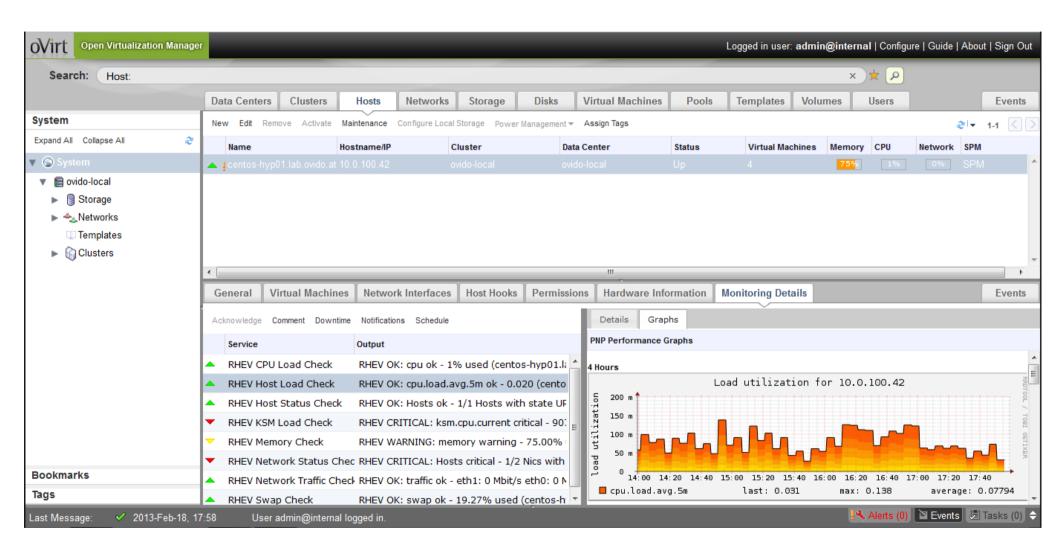








UI-Plugin: oVirt Monitoring sub-tab



More info at: https://labs.ovido.at/monitoring/wiki/ovirt-monitoring-ui-plugin



Getting oVirt



- Obtain from oVirt website
- Live USB http://wiki.ovirt.org/wiki/OVirt_Live
- Build from source
- Fedora repositories
 - yum install ovirt-engine
 - engine-setup
 - Add managed hosts

How To Contribute



Join the community

- Find bugs, File Them, Fix Them.
- Translate, Write Documentation.
- Design Interfaces, Develop new features
- Share your experiences.

Everyone can make a difference.

Website and Repository:

- http://www.ovirt.org
- http://www.ovirt.org/wiki
- http://www.ovirt.org/project/subprojects/

Mailing lists:

- http://lists.ovirt.org/mailman/listinfo
- · IRC:
 - #ovirt on OFTC



THANK YOU!

http://www.ovirt.org