



RED HAT ENTERPRISE VIRTUALIZATION: MAINTENANCE MANAGER

WHAT IS MAINTENANCE MANAGER?

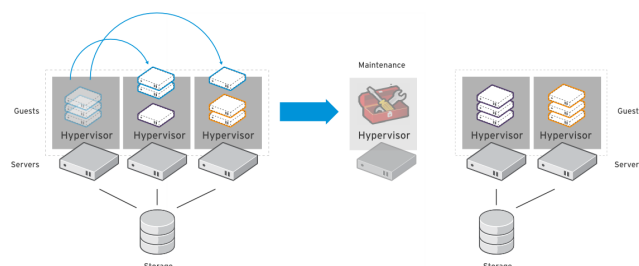
Red Hat Enterprise Virtualization Manager includes *Maintenance Manager*, which allows administrators to automate a number of host administration tasks.

PREPARING FOR HARDWARE MAINTENANCE

Maintenance manager automates the tasks required to begin hardware maintenance on a physical host (hypervisor). When maintenance mode is selected, Maintenance Manager will automatically relocate virtual machines from the hypervisor to other hypervisors in the cluster. Maintenance Manager uses *Live Migration* to ensure that there is no interruption to service as virtual machines continue running during the relocation. Maintenance Manager then marks the host as out of service to prevent other virtual machines from being started on, or live migrated to that system.

If the physical host is equipped with an out-of-band management interface such as IPMI, Dell DRAC, HP iLO, IBM RSA or BladeCenter then the host can be remotely powered on, off or reset.

After maintenance has been completed the administrator can “activate” the host and it will rejoin the cluster.



HYPERVISOR PATCHING

Maintenance Manager will alert the administrator when an upgraded version of the hypervisor software is available and allow the administrator to perform a “one-click” update.

General	Virtual Machines	Network Interfaces	
Software Version:	2.1.0.33098	CPU Name:	64-bit Intel with NX
Host type:	RHEV-H	CPU Type:	Intel(R) Core(TM)2 CPU
Active VMs:	2	Number of CPUs:	2
		Memory:	2889 MB

Alerts

! A new RHEV-Hypervisor version is available. [Upgrade](#)

Maintenance Manager provides a secure and reliable mechanism for upgrading the physical host systems.

- If virtual machines are running on the hypervisor, they will be automatically relocated to other hypervisors in the cluster using *Live Migration*.
- In the case of failure the hypervisor will roll back to the previous software release
- Upgrade can be initiated from the graphical user interface or scripted from the command line for large scale automation.

Maintenance manager allows organizations to reduce administration and maintenance costs by minimizing the need for expensive out-of-hours maintenance windows. Perform server maintenance during regular working hours instead of paying over-time for late night or weekend operations – all without an interruption to service.

Maintenance Manager is included within all editions of Red Hat Enterprise Virtualization.