Foreman - Feature #1894

Better GUI for libvirt compute resource customizations

10/11/2012 01:45 PM - James Cape

Status:	New		
Priority:	Normal		
Assignee:			
Category:			
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

So I'm building around 70 VMs this week via Foreman, and for each one, what I do is this:

0. Get it to boot + install
1. Shut it off
2. Make it auto-start on boot via virt-manager
3. Turn on the boot menu via virt-manager
4. Make HDD the first option via virt-manager
5. Switch the primary disk from virtio to scsi via virt-manager (which changes the disk type and adds the SCSI controller)
6. Edit the XML manually via virsh -c qemu+ssh://(host)/system edit (host) to:
a. Add <memoryBacking><hugepages/></memoryBacking>, since all our KVM hosts have 75% of RAM dedicated to hugetlbfs
b. Add <cpu model='host-passthrough'/>, since they're all hosted locally, and we're never going to migrate
c. Add model='virtio-scsi' to the SCSI controller added in #2
7. Restart

It would be nice to have some kind of GUI for these things:

1. Ability to autostart on boot, per-host
2. Auto-detect the presence of hugepages (I don't think this is possible with libvirt as it exists today), or allow a checkbox on a per-CR / per-guest basis to use hugepages
3. CPU types dropdown, based on the result of the "virsh capabilities" command, albeit with a "Passthrough (no migration)" option
4. Disk type selection---by default, with CentOS/RHEL6.3+, you probably want virtio-scsi; with RH < 6.3 or Fedora < 17, you want virtio, with Windows you want something else, etc.)

I'd say just display the boot menu all the time, personally.

History

#1 - 10/25/2012 05:24 AM - Ohad Levy

that all makes sense, in the meanwhile, to save you some typing, you can adjust the fog xml template used to build the vm, search inside the fog gem for libvirt/**xml

Ohad