

Commands and Tasks	
Kernel Information	uname -sr
CPU Info	cat /proc/cpuinfo
Memory Info	free -h
Reboots Info	last reboot
List Block Devices	lsblk
Get BIOS settings	racadm get BIOS.SysProfileSettings
Look for Attack Scripts	strings root/dos64 grep -i attack
Look for Spam - Subjects	tcpdump -nn -i SRVID##### -A "dst port 25" grep -i subject
Dead Processes	ps aux awk '\$8 ~ /D/'
Limit IOPS	virsh blkdeviotune SRVID##### sda --total_iops_sec=100
Look for port in use	netstat -lp grep <PORT TO FIND>
Add IPTables rules	iptables -I INPUT -s <YOUR_IP> -j ACCEPT
Remove IPTables rules	iptables -D INPUT -s <YOUR_IP> -j ACCEPT

Commands and Tasks (cont)	
Grac-efully shut down all guests	virsh list awk '{print \$2}' grep SRVID xargs -n1 virsh shutdown
Earliest sign of disk failure	cat /var/log/messages grep exception
Get Serials	smartctl --info /dev/sda fgrep -i Serial
Get Serials and Firmware	hdparm -l /dev/sd[a-d] grep 'Number\ Revision'
Ceph	
Ceph Health	ceph health detail
List Ceph Disks	ceph-disk list
Setting 'noout'	ceph osd set noout
Removing 'noout'	ceph osd unset noout
Fix Inconsistent PGs	ceph pg repair {id}
Start Ceph OSD (Centos 6)	service ceph (start stop restart) osd.{id}
Start Ceph OSD (Centos 7)	systemctl (start stop restart) ceph-osd@{id}
List down OSDs	ceph osd tree grep down
Locate host of an OSD	ceph osd find {id}

SmartMon Tools	
Check Health	smartctl -H /dev/<DISK>
Short Test	smartctl -t short /dev/<DISK>
Check Results of Test	smartctl -a /dev/<DISK>
TCPDUMP	
Capture all traffic	tcpdump -nn -i SRVID#####
Capture Outbound SMTP	tcpdump -nn -i SRVID##### -A "dst port 25"
Capture new TCP connections	tcpdump -nn -i SRVID##### "tcp-[tcpflags] & (tcp-syn) != 0"
DNS	
Lookup records of domain	dig +answer <DOMAIN>
Look for A records of domain	dig +noall +answer <DOMAIN>
Reverse DNS of an IP	dig -X +noall +answer <IP-ADDRESS>
Lookup domain information	whois <DOMAIN>
Lookup MX records	dig +noall +answer <DOMAIN> MX
Lookup TXT records	dig +noall +answer <DOMAIN> TXT
Lookup nameservers	dig +noall +answer <DOMAIN> NS

VIRSH	
List all VMs	virsh list --all
Start a VM	virsh start <VM-NAME>
Stop a VM	virsh destroy <VM-NAME>
Undefine a VM	virsh undefine <VM-NAME>
Define a VM	virsh define <PATH_TO_XML>
Dump the configuration	virsh dumpxml <VM-NAME>
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LVM	
Display physical volumes	pvs
Display volume groups	vgs
Display logical volumes	lvs
List VGs and their UUIDs	vgs -o +pv_name,uuid
Rename an LV	vgrename <UUID> <New_Name>
Activate an VG	lvchange -a y <volume_group>
Activate and ensure working VG	lvs awk 'BEGIN {OFS = " ";} {print \$2,\$1}' sed 's;/\//g' grep <logical_volume> xargs -n1 lvchange -ay



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LVM (cont)

Deactive a VG	<code>vgchange -a n <volume_group>.bak</code>
Create an LV	<code>lvcreate <volume_group> --name <new_lv_name> --size ##G</code>
Remove an LV forcefully	<code>lvremove -f /dev/<volume_group>/<logical_volu- me></code>



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