

知 AIX、HP-UX、 LINUX(RedHat)、 SOLARIS(VxVM)中关于存储及卷管理的命令

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AIX HP-UX Solaris Lunix系统中存储 (卷管理) 相关命令

AIX、HP-UX均为自带卷管理软件、Solaris卷管理软件为Veritas Volume Manager

DISK/LVM Commands	AIX	HP-UX	LINUX(RedHat)	SOLARIS(VxVM)
Filesystem table	/etc/filesystems	/etc/fstab	/etc/fstab	/etc/vfstab
Free disk blocks	df -k	bdf	df -k	df -k
Device listing	lsdev -C	/sbin/ioscan	cat /proc/devices	sysdef
Disk information	bootinfo -s hdisk#	diskinfo /dev/rdisk/c#t#d#	cat /proc/scsi/scsi0/sda/model	format -d c#t#d# format-current format-inquiry
Disk Label	ispv -l hdisk#	pvdiskdisplay -v /dev/dsk/C#t#d#	fdisk -l	prtvtoc
LVM Concepts	Partition	logical extents	logical extents	sub disk
	Volume	logical volume	logical volume	Volume
				Plex
	Volume group	volume group	volume group	disk group
Journal Filesystem type	jfs	vxfs	ext3	vxfs
Default volume group	/dev/rootvg	/dev/vg00		/dev/vx/dsk/rootdg
Display volume group	lsvg -l rootvg	vgdisplay -v vg00	vgdisplay -v	vxprint -l -g rootdg
Modify physical volume	chpv	pvchange	pvchange	vxdisk
Prepare physical disk	mkdev -c disk -l hdisk#	pvcreate	pvcreate	vxprint -dl
List physical volume	lspv	pvdiskdisplay	pvdiskdisplay	vxprint -dl
Remove disk from volume group	reducevg	vgreduce	vgreduce	vxvg rmdisk
Move logical volumes to another physical volumes	migratepv	pvmove	pvmove	vxassist move
Create volume group	mkvg	vgcreate	vgcreate	vxvg init
Remove volume group		vgremove	vgremove	vxvg destroy
Volume group availability	chvg varyonvg varyoffvg	vgchange	vgchange	vxvg set
Restore volume group		vgcfgrestore	vgcfgrestore	vxconfigrestore
Exports volume group	exportvg	vgexport	vgexport	vxvg deport
Imports volume group	importvg	vgimport	vgimport	vxvg import
Volume group listing	lsvg	vgscan	vgscan	vxvg list
Change logical volume characteristics	chlv	lvchange	lvchange	vxedit set
List logical volume	lslv	lvdisplay	lvdisplay	vxprint -vl
Make logical volume	mklv	lvcreate	lvcreate	vxassist make
Extend logical volume	extendlv	lvextend	lvextend	vxassist growto
Reduce logical volume		lvreduce	lvreduce	vxassist shrinkto
Remove logical volume	rmlv	lvremove	lvremove	vxedit rm
Prepare boot volumes	bootlist -m normal	lvlnboot	lilo	vxbootsetup
Remove boot volumes		lvrmboot		
Extend File system	chfs -a size=# /mt	extendfs /dev/vg00/lv0l8 fsadm -F vxfs -b{LE * 1024} /mt	resize2fs resize_reiserfs	vxresize fsadm -F vxfs -b {block#} /mt
Reduce/Splic mirrors	rmlvcopy	lvsplit	lvsplit	vxassist remove mirror
Merge mirrors		lvmerge	lvmerge	
Create mirrors	mklv -c 2	lvcreate -m 1		vxassist mirror
Add mirrors	mklv copy lv2	lvextend -m 1		vxassist mirror
Create striped volumes	mklv -u 3 -S 64K	lvcreate -i 3 -l 64	lvcreate -i 3 -l 64	vxassist make vol 100mb layout=raid5

System recovery tape	mksysb -i /dev/rmt0	/opt/ignite/bin/make_recovery		
Backup	savevg -i rootvg	fbackup	tar cvf /dev/rst0/	vxdump
Restore	restvg	frecover	tar xvf /dev/rst0	vxrestore