# [AIX]

#### 1.

- = Isattr -El sys0
  - = prtconf ( config)

#### 2. OS version

• = oslevel -r

```
3. CPU
```

- Arch = prtconf
- Hz = lsattr -El proc0 ( Hz)
- = lsdev -Cc processor|wc -l
- 1. Memory
- = lsattr -El sys0, prtconf
  - 1. Virtual Memory
- = lsps -a
- 1. Internal Disk
- size = bootinfo -s hdisk( ) (Mb )
- = lsdev -Cc disk
  - 1. External Disk (SSA)
- size = bootinfo -s hdisk( ) (Mb )
- = lsdev -Cc pdisk , lsdev -Ct hdisk
   1. rootvg mirror(y/n)
- not mirror = lsvg rootvg (ACTIVE PVs = 1)
- mirror = lsvg rootvg (ACTIVE PVs = 2)
  - 1. NIC
- , = Isparent -Ck ent
  - 1.
- Iscfg -vp

```
prtconf = list system configuration
lscfg [-v] = devices (-v = verbose for microcode levels, etc)
lscfg -v = devices verbose (microcode level, firmware, etc)
lsdev -Cc adapter = adapter cards
lsdev -Cc disk = disks
lsdev -Cc processor = CPU s
lsattr -El sys0 = serial number, model number, memory
```

- AIX oslevel = AIX OS level instfix -i |grep ML = AIX maintenance level lslpp -l = installed SW and levels
- Disk lsvg -o = active volume groups lsvg -p vgname = disk drives in VG lsvg -l

vgname = LV s in VG IsIv Ivname = LV detail IsIv -I Ivname = LV disk location Ispv = disks Ispv -I hdisk# = LV s residing on a disk

Isdev -Cc if = List network interfaces netstat -rn = List network gateways Network • Isdev -C

lsattr -El	<enter></enter>	. (	) lsattr -El mem0
AIX	CPU		
. , uname			

#### uname -m

xxyyyyymmss

ss = 00 (Submodel)		. xx = 00 yy	ууууу =	CPU ID mm = Model ID ← CPU
"uname -m"	"mm"	가		

### prtconf

	: IBM,9	119-590	: 5115E9	C : I	PowerPCPOW	ER5 : 4
		: 1656 MHz CPU	: 64-bit	: 64-bit LPA	R : 215E	9C-lpar1
: 16384 M	1B	: 1	6384 MB	:		:
IBM,SF2250	95	: enable	: tru	ie : false	[AIX]	IBM
bundles in	stall.	#vi /usr/sys/inst	.data/user <i>bun</i>	dles/MyBundle.	bnd	
l:sysmgt.w	vebsm	.security. write	the file which	you want to ins	tall. #smitty	/ easyinstall
select Myb	oundle	which you've m	nade and Ente	r. Islpp -Lb Mybi	undle verify	whethere bundle
was install	led su	ccessfully. smit	ty listinstalled	verify what is i	nstalled in s	server. AIX
lsvg	rootv	rg chfs -a size=-	+100M / AIX	2	smit chgene	t smitty mktcpip
$\rightarrow$ N/W inte	erface	fiz	x(AIX)	Islpp -I bo	s.adt.base	
instfix	(-i-k	"IY4390" fix	AIX	refr	esh -s inetd	startsrc -g inetd
IBM fileset	ts	#oslevel -r OS	#inst	fix -i grep ML		#instfix -
icqk 5300-	02AIX	ML grep :-:	기 <b>f</b>	ilesets downloa	d site.	
www.ibm.e	com/se	ervers/eserver/s	support/pserie	s/aixfixes.html *	<sup>*</sup> cd mount a	#mount -vcdrfs -
oro /dev/co	d0 /mr	nt #geninstall -d	/dev/cd0 bos.a	altdiskinstall.rte	e install files	set in cd. Ispv see
hard-drive	infor	mation. #bootlis	st -m normal h	disk1 hdisk13 s	elect which	disk you want to
boot # boo	otlist -	m normal -o see	e which disk is	on. hdisk13		
00000000	>DDDD			* ***		
	>DDDD		>DDDDDDD <b># Isi</b>	pp -I   grep nim	:	# osrevel -r
: 0/S	.ml	# Isconf   n	nore :	(prtconf	) # inst	fix -i   grep ML :
O/S ML		(All filesets for :	5.3.0.0AIXML	were found.) # e	export TERM	=vt100 : display
	,	smitty F1,F2		. # smit servi	cesoftware	:
#	smit c	omparereport :		#	instfix -k N	′58143 -d
/dev/cd0 :	cd	IY58143		. # instfix -ik l	<b>Y58143</b> : i	infomation
	,	# boo	otinfo -y : h/w	64bit 가	_/	# bootinfo -K :
o/s kernel	l l	bit #al	og -ot boot   n	nore : booting	ノト	

(smit alog フト ) # lscft   grep ent : lan			# stopsrc -s qdaemon / startsrc -s			
qdaemon : # smit		mlang: # ls -l /d		lev :		
# Isdev -C -H :		# Isattr -El fcs0 :			#	
chvg -t2 rootvg : rootvg	t2	. max pp	<i>가</i> 1016	2032	가 # Ispv -p	
hdisk0 : pv lv	# Isvg -I root	vg:vg	lv	# Iqu	eryvg -Atp	
hdisk0 : vgda(volum gro	up discripter)	vgda	odm	disk	フト #	
more /etc/filesystems : o	lf .	filesystem		# lscfg -	vl fcs0 : fcs0	
# Isvg -p ro	otvg :	-	# chvg -g	volumegrou	ıp :	
# migratepv	-l hdisk0 hdisk6	: hdisk0		-	hdisk6	
. # migratepy -I lv02	hdisk0 hdisk6 :	hdisk0 lv0	2 hdisk6	(mov	ve) . # chfs -a	
size =+500M /home :		500M 가	# chfs -a	size = 1G /	home :	
+ 7	+ 1GB 7	u # df -k	: / df -m / df	-g:		
# du ./   sort -r -n :				# # Islpp	-L pg:	
www.	redbooks.ibm.co	om				
www.aixservice.net ibm			. naver	cafe	가 aix	
www.ibm.com/kr/ed	lucation # smitt	y tcpip			# startsrc	
-q tcpip, stopsrc -q tcpip	) #importvg -y t	estvg hdisk1			#	
/usr/spool/cron/crontabs		#/va	ar/adm/cror	n/cron.denv	, allow :	
· · · ·	. # Isps -a :	-	. # f	sck -y /dev/	hdl:	
# mkuser username	: .#m	kgroup grou	oname # pa	sswd usern	ame: .	
<i># rmuser -p username :</i>	. # rmg	roup groupna	ame # who /	/var/adm/w	tmp or	
/var/adm/utmp :	. # who	/etc/security/	failedlogin	:	. # more	
/var/adm/sulog : su		# last root, l	ast reboot a	# varyonvg	vgname : vg	
# varyoffvg vgname	e:vg #	exportvg vgr	name : vg	# savevo	g vgname : vg	
# extendvg pvname :	pv # reduce	evg pvname :	pv #1	svg -l rootv	g:vg	
lv(Logical Volume)	# mklvcopy lvna	me hdisk na	me System	Backup * #	mkszfile # cp	
/var/adm/ras/bosinst.da	ta /root/ # mksys	sb /dev/rmt0	# tctl -f /de	v/rmt0 rew	ind # tctl -f	
/dev/rmt0.1 fsf 3 # resto	re -xqvf /dev/rn	nt0.1 /tmp/my	file # back	up -if /dev/ı	mt0 largefile #	
mkdev -l rmt0 :	, # rm	dev -l rmt0 #	smitty dev	: serial	, Tape ,	
Device # errpt :	(/var/adm/	ras/errlog) #	errclear :	#		
/usr/lib/errdemon :	# /usr/l	ib/errstop :		VG		

## mklv -y hd7 -t dump rootvg PP hdisk\_name : dump device

#### snap -ac : dump file

hdisk0 : rootvg hdisk1 : mirror

#### extendvg rootvg hdisk1

# chvg -Qn rootvg

## mklvcopy hd1 2 hdisk1 :

open:aix-

mklvcopy hd2 2 hdisk1

mklvcopy hd3 2 hdisk1

mklvcopy hd4 2 hdisk1

mklvcopy hd5 2 hdisk1

mklvcopy hd6 2 hdisk1

mklvcopy hd7 2 hdisk1

mklvcopy hd8 2 hdisk1

mklvcopy hd9var 2 hdisk1

syncvg -v rootvg : sync

bosboot -a -d /dev/hdisk1 :

### boolist -m normal hdisk0 hdisk1 :

#### shutdown -Fr

## Isvg -I rootvg :

jdk1.4가 가

lslpp -L | grep Java14

#### jdk가

- Java 1.4.x 32-bit /usr/java14 - Java 1.4.x 64-bit /usr/java1464 - Java 1.3.1 32-bit /usr/java131 - Java 1.3.1 64-bit /usr/java1364 - Java 1.3.0 /usr/java130 - Java 1.2.2 /usr/javadev2 - Java 1.1.8 /usr/jdkbase /usr/lpp/diagnostics/bin/diagrpt

nmon # to see status of cpu and memory. [AIX]Smitty jfs( Volume Group File ) [To make File system on AIX 5.3] 1. root . [YOU HAVE NEW MAIL] System root@DMS:/ > 2. lspv Volume Group List . root@DMS:/ >lspv hdisk0 00ceb31adae0d192 rootvg active hdisk1 00ceb31ad4679f47 oraclevg active 3. Volume Group image free ) . ( root@DMS:/ >lsvg rootvg VOLUME GROUP: rootvg VG IDENTIFIER: 00ceb31a00004c0000000107dae0d65d VG STATE: active PP SIZE: 128 megabyte(s) VG PERMISSION: read/write TOTAL PPs: 546 (69888 megabytes) MAX LVs: 256 FREE PPs: 349 (44672 megabytes) LVs: 12 USED PPs: 197 (25216 megabytes) OPEN LVs: 11 QUORUM: 2 TOTAL PVs: 1 VG DESCRIPTORS: 2 STALE PVs: 0 STALE PPs: 0 ACTIVE PVs: 1 AUTO ON: yes MAX PPs per VG: 32512 MAX PPs per PV: 1016 MAX PVs: 32 LTG size (Dynamic): 256 kilobyte(s) AUTO SYNC: no HOT SPARE: no BB POLICY: relocatable 4. Volume Group . (54 GIGA 가 Free , File system ) root@DMS:/ >lsvg oraclevg VOLUME GROUP: oraclevg VG IDENTIFIER: 00ceb31a00004c0000000107dc4107fc VG STATE: active PP SIZE: 128 megabyte(s) VG PERMISSION: read/write TOTAL PPs: 546 (69888 megabytes) MAX LVs: 256 FREE PPs: 425 (54400 megabytes) LVs: 2 USED PPs: 121 (15488 megabytes) OPEN LVs: 2 QUORUM: 2 TOTAL PVs: 1 VG DESCRIPTORS: 2 STALE PVs: 0 STALE PPs: 0 ACTIVE PVs: 1 AUTO ON: yes MAX PPs per VG: 32512 MAX PPs per PV: 1016 MAX PVs: 32 LTG size (Dynamic): 256 kilobyte(s) AUTO SYNC: no HOT SPARE: no BB POLICY: relocatable 5. Volume Group Type . (jfs2 ) root@DMS:/ >lsvg -l oraclevg oraclevg: LV NAME TYPE LPs PPs PVs LV STATE MOUNT POINT oraclely jfs2 120 120 1 open/syncd /oracle loglv00 jfs2log 1 1 1 open/syncd N/A 6. smitty . root@DMS:/ >smitty jfs2 6.1. ifs2

. Move cursor to desired item and press Enter. Add an Enhanced Journaled File System Add an Enhanced Journaled File System on a Previously Defined Logical Volume Change / Show

Characteristics of an Enhanced Journaled File System Remove an Enhanced Journaled File System Manage Quotas for an Enhanced Journaled File System Defragment an Enhanced Journaled File System List Snapshots for an Enhanced Journaled File System Create Snapshot for an Enhanced Journaled File System Mount Snapshot for an Enhanced Journaled File System Remove Snapshot for an Enhanced Journaled File System Unmount Snapshot for an Enhanced Journaled File System Change Snapshot for an Enhanced Journaled File System Rollback an Enhanced Journaled File System to a Snapshot 6.2. Unit Size Free PPs Megabytes . (Tab ) 6.3. Number of units . 6.4. MOUNT Free PPs 54400 POINT Mount /oracledata . 6.5. Mount AUTOMATICALLY at system restart Tab . 6.6. Enter yes . Add an Enhanced Journaled File System Type or select values in entry fields. Press Enter AFTER making all desired changes. [Entry Fields] Volume group name oraclevg SIZE of file system Unit Size Megabytes + \* Number of units [] # \* MOUNT POINT [] Mount AUTOMATICALLY at system restart? no + PERMISSIONS read/write + Mount OPTIONS [] + Block Size (bytes) 4096 + Logical Volume for Log + Inline Log size (MBytes) [] # Extended Attribute Format Version 1 + ENABLE Quota Management? no + 7. mount all . root@DMS:/ >mount all mount: 0506-324 Cannot mount mount /dev/hd1 on /home: The requested resource is busy. mount: 0506-324 Cannot mount /proc on /proc: The requested resource is busy. mount: 0506-324 Cannot mount /dev/hd10opt on /opt: The requested resource is busy. mount: 0506-324 Cannot mount /dev/cd0 on /cdrom: The device is not ready for operation. mount: 0506-324 Cannot mount /dev/fslv00 on /imsi: The requested resource is busy. mount: 0506-324 Cannot mount /dev/oraclelv on /oracle: The requested resource is busy. 8. df -. root@DMS:/ >df -k Filesystem 1024-blocks Free %Used lused k %lused Mounted on /dev/hd4 262144 243224 8% 2202 4% / /dev/hd2 1966080 162960 92% 39089 49% /usr /dev/hd9var 131072 122260 7% 390 2% /var /dev/hd3 524288 522932 1% 56 1% /tmp /dev/fwdump 393216 392828 1% 4 1% /var/adm/ras/platform /dev/hd1 131072 130680 1% 11 1% /home /proc - - - - /proc /dev/hd10opt 131072 3868 98% 3823 77% /opt /dev/fslv00 4194304 2520496 40% 49 1% /imsi /dev/oraclelv 15728640 679500 96% 20075 12% /oracle /dev/fslv01 55705600 55696768 1% 4 1% /oracledata

• Linux

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