HP computers at SEST

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Chapter 1

HP computers at SEST

1.1 HP Workstations

1.1.1 Overview

The following tables summarises the configurations of HP the computers used at SEST.

1.1.2 Vela

- **Basic properties**

Model:	HP 9000/778 (B132L)
OS:	HP-UX B.10.20A
Processor:	132 MHz PA-risc 1.1e PA7300
Memory:	132 MB
Cache:	64 kB
ROM:	Firmware 2.5, IODC rev. 1
Machine-ID:	2003552897
Address:	00:60:B0:18:63:63
Monitor:	HP P1110, 21" (*spare:* HP A4331D, 19")

- **Hardware configuration:**

Primary boot path:	8/16/5.6.0
Alternate boot path:	8/16/5.3.0
Graphics path:	graphics(0) — (type 1: 1280x1024, 75 Hz, VESA) (*spare:* type 12: 1280x1024, 72 Hz)
Keyboard path:	PS2

- **Hardware**

SCSI–6 Internal disk	—	2 GB	*IBM DORS–32160*
SCSI–5 External disk	—	8.7 GB	*IBM DDRS–39130*
SCSI–4 External CD–RW	—		*Yamaha CRW4416SX*, SE SCSI
SCSI–3 External disk	—	4 GB	*Seagate ST15230N*, SE SCSI
SCSI–2 Internal CD–ROM	—		*Toshiba XM–5401TA*
SCSI–1 External DAT	—		*HP C1533A, 4 GB DDS*, F/W SCSI
SCSI–0 Empty			

- **Interfaces**

  LAN interface (AUI [with BNC adapter] & twisted pair)
  2 * Serial RS-232 interface
  Parallel interface
  Single-ended SCSI
  Audio interface (in & out)
  Keyboard
  Mouse
  Monitor (HP 3-row connector)

- **I/O cards:**

8/16/0	CentIf	Built-in parallel interface
8/16/4	asio0	Built-in RS-232 interface
8/16/5	c720	Built-in SCSI
8/16/6	lan2	Built-in LAN
8/16/7	ps2	Built-in keyboard/mouse
8/20/2	asio0	RS-232 interface (#2)
8/20/5	eisa	EISA bus adapter

- **Disk usage**

SCSI–6	—	2 GB	—	whole	—		—	–/2048 MB
SCSI–5	—	8.7 GB	—	LVM	—	`/vg02` (5)	—	8/8712 MB
SCSI–3	—	4 GB	—	LVM	—	`/vg05` (5)	—	4/4088 MB

- **Local file systems**

`/`	HFS	1752 MB	`/dev/dsk/c0t6d0`	automount
`/archive`	VxFS	2048 MB	`/dev/vg02/lvol1`	automount
`/aux2`	VxFS	4096 MB	`/dev/vg02/lvol2`	automount
`/cdscr`	VxFS	1536 MB	`/dev/vg02/lvol3`	automount
`/logs`	VxFS	512 MB	`/dev/vg02/lvol4`	automount
`/alt`	VxFS	512 MB	`/dev/vg02/lvol5`	automount
`/`	HFS	1792 MB	`/dev/vg05/lvol1`	(**mirror**)
`/aux2`	VxFS	1536 MB	`/dev/vg05/lvol3`	(**mirror**)
`/archive`	VxFS	256 MB	`/dev/vg05/lvol4`	(**mirror**)
`/logs`	VxFS	224 MB	`/dev/vg05/lvol5`	(**mirror**)
`/cdscr`	VxFS	24 MB	`/dev/vg05/lvol6`	(**mirror**)
`/cdrom`	CDFS		`/dev/dsk/c0t4d0`	
`/cdrom`	CDFS		`/dev/dsk/c0t2d0`	

- **Imported file systems — only for disk copying**

`/cdscr/mount_update_disk/aux2`	—	RW	—	`carina:/aux2`
`/cdscr/mount_update_disk/aux2`	—	RW	—	`volans:/aux2`
`/cdscr/mount_update_disk/archive`	—	RW	—	`volans:/archive`
`/cdscr/mount_update_disk/cdscr`	—	RW	—	`volans:/cdscr`
`/cdscr/mount_update_disk/logs`	—	RW	—	`volans:/logs`

- **Exported file systems**

  none

- **Swap and dump space**

  256 MB primary device swap/dump on `/dev/dsk/c0t6d0`
  252 MB primary device swap/dump on `/dev/vg05/lvol2` (**mirror**)

1.1.3 Puppis

- **Basic properties**

Model:	HP 9000/720
OS:	HP-UX B.10.20A
Processor:	50 MHz PA-risc 1.1a PA7000
Memory:	132 MB
ROM:	???
Machine-ID:	2003885826
Address:	08:00:09:95:5E:70
Monitor:	HP A1097C, 19"

- **Hardware configuration:**

Primary boot path:	2/0/1.6.0
Alternate boot path:	2/0/1.5.0 (*non-bootable*)

- **Hardware**

SCSI–6 Internal disk	—	4.3 GB	*Seagate ST34520N*
SCSI–5 Empty			
SCSI–4 External disk	—	8.7 GB	*Seagate ST39173N*, SE SCSI
SCSI–3 External disk	—	4 GB	*Seagate ST15230N*, SE SCSI
SCSI–2 External disk	—	4 GB	*Seagate ST15150N*, SE SCSI
SCSI–1 External DAT	—		*HP 35480A, 2 GB DDS*, F/W SCSI
SCSI–0 Empty			

- **Interfaces**

  LAN interface (AUI & BNC)
  EISA LAN interface (AUI & BNC)
  2 * Serial RS-232 interface
  Single-ended SCSI
  Audio (single)
  HIL device
  Monitor (3 BNCs)

- **I/O cards:**

2/0/1	c720	Built-in SCSI
2/0/2	lan2	Built-in LAN
2/0/4	asio0	Built-in RS-232 interface
2/0/5	asio0	Built-in RS-232 interface
2/0/6	CentIf	Built-in parallel interface
4	eisa	EISA adapter
4/0/1	lan2	EISA card HWP1850

- **Disk usage**

SCSI–6	—	4.3 GB	—	LVM	—	`/vg00` (8)	—	368/4340 MB
SCSI–4	—	8.7 GB	—	LVM	—	`/vg01` (4)	—	72/8680 MB
SCSI–3	—	4 GB	—	whole	—		—	–/4095 MB
SCSI–2	—	4 GB	—	LVM	—	`/vg02` (1)	—	92/4092 MB

- **Local file systems**

`/stand`	HFS	48 MB	`/dev/vg00/lvol1`	automount
`/`	VxFS	84 MB	`/dev/vg00/lvol3`	automount
`/opt`	VxFS	1024 MB	`/dev/vg00/lvol4`	automount
`/tmp`	VxFS	128 MB	`/dev/vg00/lvol5`	automount
`/backup`	VxFS	128 MB	`/dev/vg00/lvol6`	automount
`/usr`	VxFS	1024 MB	`/dev/vg00/lvol7`	automount
`/var`	VxFS	1024 MB	`/dev/vg00/lvol8`	automount
`/home`	HFS	4096 MB	`/dev/dsk/c0t3d0`	automount
`/app`	HFS	2048 MB	`/dev/vg01/lvol1`	automount
`/vela_archive`	HFS	4000 MB	`/dev/vg01/lvol3`	automount
`/aux3`	HFS	2048 MB	`/dev/vg01/lvol4`	automount
`/scratch`	VxFS	4000 MB	`/dev/vg02/lvol1`	automount

- **Imported file systems**

  `/aux2` — RW — `carina:/aux2`

- **Exported file systems**

  `/home` — RW
  `/aux2` — RW
  `/scratch` — RW

- **Swap and dump space**

  512 MB primary device swap/dump on `/dev/vg00/lvol2`
  512 MB secondary device swap on `/dev/vg01/lvol2`

1.1.4 Carina

- **Basic properties**

Model:	HP 9000/730
OS:	HP-UX B.10.20A
Processor:	66 MHz PA-risc 1.1a PA7000
Memory:	96 MB
ROM:	PDC 2.1, IODC 2.1
Machine-ID:	2007424834
Address:	08:00:09:24:B4:17
Monitor:	HP A4033A, 19”

- **Hardware configuration:**

Primary boot path:	2/0/1.6.0
Alternate boot path:	2/0/1.4.0 (*non-bootable*)

- **Hardware**

SCSI–6 Internal disk	—	4.3 GB	*Seagate ST34520N*
SCSI–5 Internal disk	—	1 GB	*Seagate ST11220N*
SCSI–4 External disk	—	1.8 GB	*Seagate ST42100*, F/W SCSI
SCSI–3 Empty			
SCSI–2 External disk	—	8.7 GB	*IBM DDRS–39130*, SE SCSI
SCSI–1 Empty			
SCSI–0 External CD–ROM	—		*Toshiba XM–3401TA*, F/W SCSI

- **Interfaces**
  LAN interface (AUI & BNC)
  2 * Serial RS-232 interface
  Single-ended SCSI
  Audio (single)
  HIL device
  Monitor (3 BNCs)

- **I/O cards:**

2/0/1	c720	Built-in SCSI
2/0/2	lan2	Built-in LAN
2/0/4	asio0	Built-in RS-232 interface
2/0/5	asio0	Built-in RS-232 interface
2/0/6	CentIf	Built-in parallel interface

- **Disk usage**

SCSI–6	—	4.3 GB	—	LVM	—	`/vg00` (8)	—	368/4340 MB
SCSI–5	—	1 GB	—	LVM	—	`/vg04` (1)	—	4/1004 MB
SCSI–4	—	1.8 GB	—	LVM	—	`/vg03` (1)	—	8/1808 MB
SCSI–2	—	8.7 GB	—	LVM	—	`/vg02` (2)	—	520/8712 MB

- **Local file systems**

`/stand`	HFS	48 MB	`/dev/vg00/lvol1`	automount
`/`	VxFS	84 MB	`/dev/vg00/lvol3`	automount
`/home`	VxFS	128 MB	`/dev/vg00/lvol4`	automount
`/opt`	VxFS	1024 MB	`/dev/vg00/lvol5`	automount
`/tmp`	VxFS	128 MB	`/dev/vg00/lvol6`	automount
`/usr`	VxFS	1024 MB	`/dev/vg00/lvol7`	automount
`/var`	VxFS	1024 MB	`/dev/vg00/lvol8`	automount
`/aux2`	VxFS	4096 MB	`/dev/vg02/lvol1`	automount
`/staff`	VxFS	4096 MB	`/dev/vg02/lvol2`	automount
`/logs`	VxFS	1800 MB	`/dev/vg03/lvol1`	automount
`/syslogs`	VxFS	1000 MB	`/dev/vg04/lvol1`	automount
`/cdrom`	CDFS		`/dev/dsk/c0t0d0`	

- **Imported file systems**
  `/scratch` — RW — `puppis:/scratch`

- **Exported file systems**
  `/aux2` — RW

- **Swap and dump space**
  512 MB primary device swap/dump on `/dev/vg00/lvol2`

1.1.5 Volans

- **Basic properties**

Model:	HP 9000/735
OS:	HP-UX B.10.20A
Processor:	99 MHz PA-risc 1.1b PA7100
Memory:	144 MB
ROM:	PDC 1.1, IODC 1.0
Machine-ID:	2014895682
Address:	08:00:09:24:A4:3E
Monitor:	HP A2094A, 19” (*spare:* HP A1097C, 19”)

- **Hardware configuration:**

Primary boot path:	2/0/7.6.0
Alternate boot path:	2/0/1.5.0 (*non-existent*)

- **Hardware**
  Fast/Wide SCSI chain (2/0/7):
  SCSI–6 Internal disk — 4.3 GB *Seagate ST34501W*
  SCSI–5 Internal disk — 4.3 GB *Seagate ST34501W*
  SCSI–4 Empty
  SCSI–3 Empty
  SCSI–2 Empty
  SCSI–1 Empty
  SCSI–0 Empty
  Single-ended SCSI chain (2/0/1):
  SCSI–6 Empty
  SCSI–5 Empty
  SCSI–4 Empty
  SCSI–3 Empty
  SCSI–2 External CD–ROM — *Toshiba XM–3301TA*, F/W SCSI
  SCSI–1 Empty
  SCSI–0 Empty

- **Interfaces**
  LAN interface (AUI [with BNC adapter])
  2 * Serial RS-232 interface
  Parallel interface
  Single-ended SCSI
  Fast/Wide SCSI
  Audio interface (in & out & mic & phones & speakers)
  HIL device
  2 * Monitor (3 BNCs)

- **I/O cards:**

2/0/1	c720	Built-in SCSI
2/0/2	lan2	Built-in LAN
2/0/4	asio0	Built-in RS-232 interface
2/0/5	asio0	Built-in RS-232 interface
2/0/6	CentIf	Built-in parallel interface
2/0/7	c720	Built-in Fast/Wide SCSI
4	eisa	EISA adapter

- **Disk usage**

SCSI–6	—	4.3 GB	—	LVM	—	`/vg00` (8)	—	0/4336 MB
SCSI–5	—	4.3 GB	—	LVM	—	`/vg02` (4)	—	240/4336 MB

- **Local file systems**

`/stand`	HFS	64 MB	`/dev/vg00/lvol1`	automount
`/`	HFS	96 MB	`/dev/vg00/lvol3`	automount
`/home`	HFS	512 MB	`/dev/vg00/lvol4`	automount
`/opt`	HFS	1024 MB	`/dev/vg00/lvol5`	automount
`/tmp`	HFS	256 MB	`/dev/vg00/lvol6`	automount
`/usr`	HFS	848 MB	`/dev/vg00/lvol7`	automount
`/var`	HFS	1024 MB	`/dev/vg00/lvol8`	automount
`/aux2`	VxFS	2048 MB	`/dev/vg02/lvol1`	automount
`/archive`	VxFS	512 MB	`/dev/vg02/lvol2`	automount
`/cdscr`	VxFS	1024 MB	`/dev/vg02/lvol3`	automount
`/logs`	VxFS	512 MB	`/dev/vg02/lvol4`	automount
`/cdrom`	CDFS		`/dev/dsk/c0t2d0`	

- **Imported file systems**
  none

- **Exported file systems**

`/aux2`	—	RW
`/archive`	—	RW
`/cdscr`	—	RW
`/logs`	—	RW

- **Swap and dump space**
  512 MB primary device swap/dump on `/dev/vg00/lvol2`