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Intel® Server Platform SRMK2 Tested OS & Hardware List

September, 2001
Rev 1.7

Revision History

Date	Revision Number	Modifications
April 12, 2001	1.4	Initial Release
June 19, 2001	1.5	Updated list
September 26, 2001	1.6	Changed status of RAID card, added RH 7.1, clarified ASM OS version compatibility, added DVD-ROM Drives, added graphics add-in card.
September 27, 2001	1.7	Added processor stepping & order information.

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1.   Introduction

Intel's Platform Validation Lab (PVL) tests server platforms against real-world environment scenarios by designing, conducting, and reporting the results of compatibility and stress testing.

Onboard components were used throughout testing unless otherwise stated.

2.   Pass/ Fail Criteria

For each operating sytem and hardware configuration, a test passes if specific criteria are met. Specific configurations may have had particular characteristics that were addressed on a case-by-case basis. In general, a configuration passes testing if:

- The operating system installed without error.
  - Manufacturer's installation instructions or PVL Best Known Methods (BKM) were used.
  - No extraordinary workarounds were required.
- The system behaved as expected during and after installation.
- Applications installed subsequently executed normally.
- Hardware compatibility tests run to completion without error.
- Test suites execute successfully.
  - Test/Data files are created in the correct directories without error.
  - Files copied from client to server and back compare to the original with 0 errors reported.
  - Clients remain connected.
  - Industry standard test suites run to completion with zero errors reported.

3.   Operating System Compatibility

Below is a list of operating systems, versions, and service packs used in testing the Intel® Server Platform SRMK2.

Operating system	Status
Windows* 2000 Advanced Server (SP1)	Pass
Windows* NT 4.0 Enterprise (SP6a)	Pass
Red Hat Linux* 6.2 SBE2	Pass
Red Hat Linux* 7.1	Pass

4.   Advanced Server Management

ASM Version#	Operating System	Version #	Comment	Status
1.4	Red Hat Linux	6.2 SBE2		Pass
1.3	Windows NT	4.0 SP6a	Enterprise Server	Pass
1.3 .2	Windows 2000	Advanced Server SP1		Pass

5.   Peripherals

The following table contains a complete list of all hardware peripherals that were configured for the SRMK2 for these regression compatibility and stress runs.

5.1   PCI SCSI Adapter Cards

MFGR	Model	Driver	Status
Adaptec	ASC-39160 (64/66 U160)	RHL 6.2– Built in WinNT – v D 3.4 Win2k – Built in	Pass
Qlogic	QLA-12160 (64/66 U160)	RHL 6.2– v 3.21 WinNT – v 7.14 Win2k – v 7.14	Pass
Adaptec	AHA-2940U2W	RHL 6.2– Built in WinNT – Built in Win2k – Built in	Pass
LSI (Symbios)	SYM-22902 (LP PCI Ultra2)	RHL 6.2– Beta Driver WinNT – v 4.15.00 Win2k – v 4.15.00	Pass

5.2   PCI RAID Host Adapters

MFGR	Model	Driver	Status
Intel	SRCU31 (Bonita) (1 Ch, U160, 64/33)	RHL 6.2– v 2.2.16 WinNT – v 4.19 Win2k – v 4.19	Fail
Intel	SRCU31L (Goodwin) (1 Ch, U160, 64/33, Low Profile)	RHL 6.2 – 5.11 RH 7.1 – I2O (included) WinNT – 4.01 Win2k – 4.0	Pass – WinNT Pass – Win2k Pass – RHL 7.1 Fail – RHL 6.2
Mylex	AccelRAID 352 (2-Ch U3 RAID)	RHL 6.2– None WinNT – v 6.00-06 Win2k – v 6.00-20	Pass – No RH
AMI	Express 300 (490 Series)	RHL 6.2– v WinNT – v Win2k – v	Pass

5.3   PCI Fiber Channel Host Adapters

MFGR	Model	Driver	Status
Agilent (HP)	HHBA5121 (64/66 FC adapter)	RHL 6.2– v L_0.5.8 WinNT – v 2 Win2k – v 2.50.14.30	Pass
Qlogic	QLA2100/66 (64/66 FC adapter)	RHL 6.2– v 2.23 WinNT – v 7.5.5.0 Win2k – v 7.5.5.0	Pass
Qlogic	QLA2200LP (64/66 FC adapter, LP)	RHL 6.2– v 2.23 WinNT – v 7.5.5.0 Win2k – v 7.5.5.0	Pass

5.4   PCI Network Interface Cards

MFGR	Model	Driver	Status
Intel	82559 10/100	RHL 6.2– Built in (eepro100) WinNT – v 4.1.1 Win2k – v 4.1.1	Pass
Intel	Pro/100+ Dual Port Server (PILA8472)	RHL 6.2– Built in (eepro100) WinNT – v 4.1.1 Win2k – v 4.1.1	Pass
Intel	Pro/100+ Server (PILA8470B)	RHL 6.2– Built in (eepro100) WinNT – v 4.2.25 Win2k – v 4.2.27	Pass
Intel	Pro/1000 Gigabit Server Adapter (64/33)	RHL 6.2– v 2.5.11 WinNT – v 2.19.219 Win2k – v 2.19.219	Pass

5.5 Graphics Controllers

MFGR	Model	Driver	Status
ATI	Rage XL (on board)	RHL 6.2 – *Workaround* – Use built-in Mach 64 driver. WinNT – v 4.00.1381.1006 Win2k – v 5.00.2195.4009	Pass
ATI	Rage XL (Low Profile PCI add-in card, PN 109-72300-10)	RHL 7.1 – included.	Pass

5.6 SCSI Hard Disk Drives

Mnfacturer	Type	Family	Model	Size	RPM	Capacity	Status
Quantum	Ultra3	Atlas V	XC18L0ll	1"	7200	9.1G	Pass
Quantum	Ultra3	Atlas 10k	TY18JP4E	1"	10k	18.3G	Pass
Seagate	Ultra3	Cheetah	ST39204LC	1"	10k	9.1G	Pass
Seagate	Ultra3	Cheetah4	ST318404LC	1"	10k	18.4G	Pass
IBM	Ultra3	Ultrastar	DDYS-T36950	1"	10k	36.9G	Pass
Hitatchi	Ultra3	Jura-C	DK32CJ-36MC	1"	10k	36G	Pass

5.7 Removable Media Drives

MFGR	Model	Comment	Status
TEAC	CD-224EB	24X Slim CD-ROM Drive	Pass
Sony	MPF 720-3	Slim Floppy	Pass
Mitsumi	D353F3	Slim Floppy	Pass
Hitachi	GDR-8081N	Slim DVD-ROM Drive	Pass
Panasonic	SR-8176	Slim DVD-ROM Drive	Pass

5.8 External SCSI Peripheral Box

MFGR	Model	Comment	Status
Andataco	ESP GigaRAID / 8000 LVD Ultra160		Pass

6. PGA370 Processors

Family	Freq. [1]	Cache	System Bus	Stepping[1]	S-Spec	MM (Order) #	Status
Intel Pentium® III	733 MHz	256KB	133	B0	SL3XY	828117	Pass
Intel Pentium® III	800 MHz	256KB	100	C0	SL4CE	830149	Pass
Intel Pentium® III	800 MHz	256KB	133	B0	SL3Y2	828118	Pass
Intel Pentium® III	866 MHz	256KB	133	B0	SL43J	828861	Pass
Intel Pentium® III	866 MHz	256KB	133	D0	SL4ZJ	833403	Pass
Intel Pentium® III	933 MHz	256KB	133	C0	SL4C9	830137	Pass
Intel Pentium® III	933 MHz	256KB	133	D0	SL52Q	833413	Pass
Intel Pentium® III	1.0 GHz	256KB	133	C0	SL4WM	833076	Pass
Intel Pentium® III	1.0 GHz	256KB	133	D0	SL52R	833416	Pass

NOTE:

1) When configuring the SRMK2 with dual processors, the exact same processor frequency and stepping must be used.