Installing Red Hat* Enterprise Linux 5

Intel® Modular Server

Abridged Recipe – visit www.intel.com/go/esaa to download complete version

www.intel.com/go/esaa

Contents

Pass-Through Certification

Pass-Through Certification refers to the ability for third-party systems to be granted the same certification status as models previously certified by Intel Corporation. Currently, Pass-Through Certification is only available to vendors who purchase Intel server boards and/or systems and Red Hat* Ready Business Partner, Advanced & Premier Program with Red Hat, Inc.

Red Hat Linux Pass-Through Hardware Requirements

Intel Corporation first performs an original model certification as described in the Red Hat Hardware Certification Policies. Subsequent pass-through system certifications of EPSD OEM must meet the following additional requirements:

- Pass-Through certifications must be performed on systems that are a subset of the components covered by testing completed in the original model certification.
- No features or hardware may be added or subtracted from a pass-through system that would impact the certification of the pass-through system.
- Each Pass-Through Certification must have a unique vendor, make, and model number that are not shared with any other hardware that would not be covered by the original certification.
- Each Pass-Through Certification must have a unique vendor specification URL or must utilize the equivalent OEM specification URL.

Reseller Steps to Receive Pass-Thru OS Certification

- Submit the vendor server model name/number that corresponds to the Intel server platform name listed in this recipe along with the specific URL for the vendor platform used in the recipe to: red.hat.linux@intel.com
- The vendor server model will be placed on the Red Hat certified hardware list

Hardware Components

(Configuration 1 32 Bit)

Quantity	Item	Manufacturer	Model
1	Intel® Modular Server	Intel	MFSYS25
1	Intel® Server Compute module	Intel	MF5000SI
32 GB	Memory Modules	Any supported	FB DIMM DDR2-533 and DDR2-667
2	Intel® Xeon® Processors	Intel	Dual-Core / Quad-Core Intel® Xeon® 5000 processors (3.33, 3.30, 3.0, 2.83, 2.66, 2.5, 2.33, 2.0, and 1.6 GHz)
7 per Chassis	36GB SAS hard drives	Any supported	Uses LSI* 1064e SAS controller Supports RAID 0 and RAID 1
	BIOS	AMI	SB5000.86B.10.00.0032
2	POWER SUPPLY	Intel	AXXPSU
1	SAS Storage module	Intel	AXXSCM3S
1	Ethernet Switch module	Intel	AXXSW1GB
1	Intel Server Platform (management system)	Intel	Any supported

Table 1 – Intel® Modular Server MFSYS25 Configuration Hardware (Configuration 1)

(Configuration 2 64 Bit)

Quantity	Item	Manufacturer	Model
1	Intel® Modular Server	Intel	MFSYS25
1	Intel® Server Compute module	Intel	MF5000SI
32 GB	Memory Modules	Any supported	FB DIMM DDR2-533 and DDR2-667
2	Intel® Xeon® Processors	Intel	Dual-Core / Quad-Core Intel® Xeon® 5000 processors (3.33, 3.30, 3.0, 2.83, 2.66, 2.5, 2.33, 2.0, and 1.6 GHz)
7 per Chassis	36GB SAS hard drives	Any supported	Uses LSI* 1064e SAS controller Supports RAID 0 and RAID 1
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2	POWER SUPPLY	Intel	AXXPSU

1	SAS Storage module	Intel	AXXSCM3S
1	Ethernet Switch module	Intel	AXXSW1GB
1	Intel Server Platform (management system)	Intel	Any supported

Table 2 – Intel® Modular Server MFSYS25 Configuration Hardware (Configuration 2)

Software Used in the Installation

Dist. By	Description	File Name
	Red Hat* Enterprise Linux 5.0	Red Hat Enterprise Linux (sku# - IPP)

Table 3 - Software Bill of Materials

Development Tools (Optional)

Product	Description	Where to Buy
Intel® C++ Compilers for LINUX	The compiler automatically optimizes and parallelizes software to deliver rapid development and winning performance taking best advantage of the latest multi-core Intel® processor-based platforms.	http://www3.intel.com/cd/software/products/asmo-na/eng/compilers/278609.htm
Intel® Fortran Compiler for LINUX	The compiler automatically optimizes and parallelizes software to deliver rapid development and winning performance taking best advantage of the latest multi-core Intel® processor-based platforms.	http://www3.intel.com/cd/software/products/asmo-na/eng/compilers/279636.htm
Intel® Math Kernel Library	Highly optimized, extensively threaded math routines for scientific, engineering, and financial applications that require maximum performance.	http://www3.intel.com/cd/software/products/asmo-na/eng/266860.htm
Intel® Integrated Performance Primitives	Extensive library of multi-core-ready, highly optimized software functions for multimedia and data processing	http://www3.intel.com/cd/s oftware/products/asmo-na/eng/perflib/ipp/buy/238658.htm
Intel® Threading Building Blocks	Intel's new C++ template-based runtime library that simplifies writing multithreaded applications for performance and scalability	http://www3.intel.com/cd/software/products/asmo-na/eng/294795.htm

Table 4 – Development Tools