



# Virtual Iron\* Virtualization Manager\* Installation on SUSE Linux\*

Intel® Server Board S5000PSL



**Abridged Recipe – visit [www.intel.com/go/esaa](http://www.intel.com/go/esaa) to download complete version**



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## Virtual Iron Enterprise Edition

Virtual Iron Enterprise Edition\* (EE) runs on one or more Intel® Virtualization Technology (Intel® VT) - based servers (called “managed nodes” in this document). These servers are managed by a web-based management application (Virtualization Manager\*) that is hosted by a separate management server node (the “management node”).

When running Virtual Iron EE, the Virtual Iron Virtualization Manager and all managed nodes are interconnected by a dedicated management network. Figure 1. Virtual Iron Management Framework\*” shows the management framework.

**NOTE:** The nodes in this picture are connected to a public network that hosts a DHCP server. Virtual Iron EE allows managed nodes to be connected with any number of public networks. However, these nodes can only be managed through a single dedicated management network.

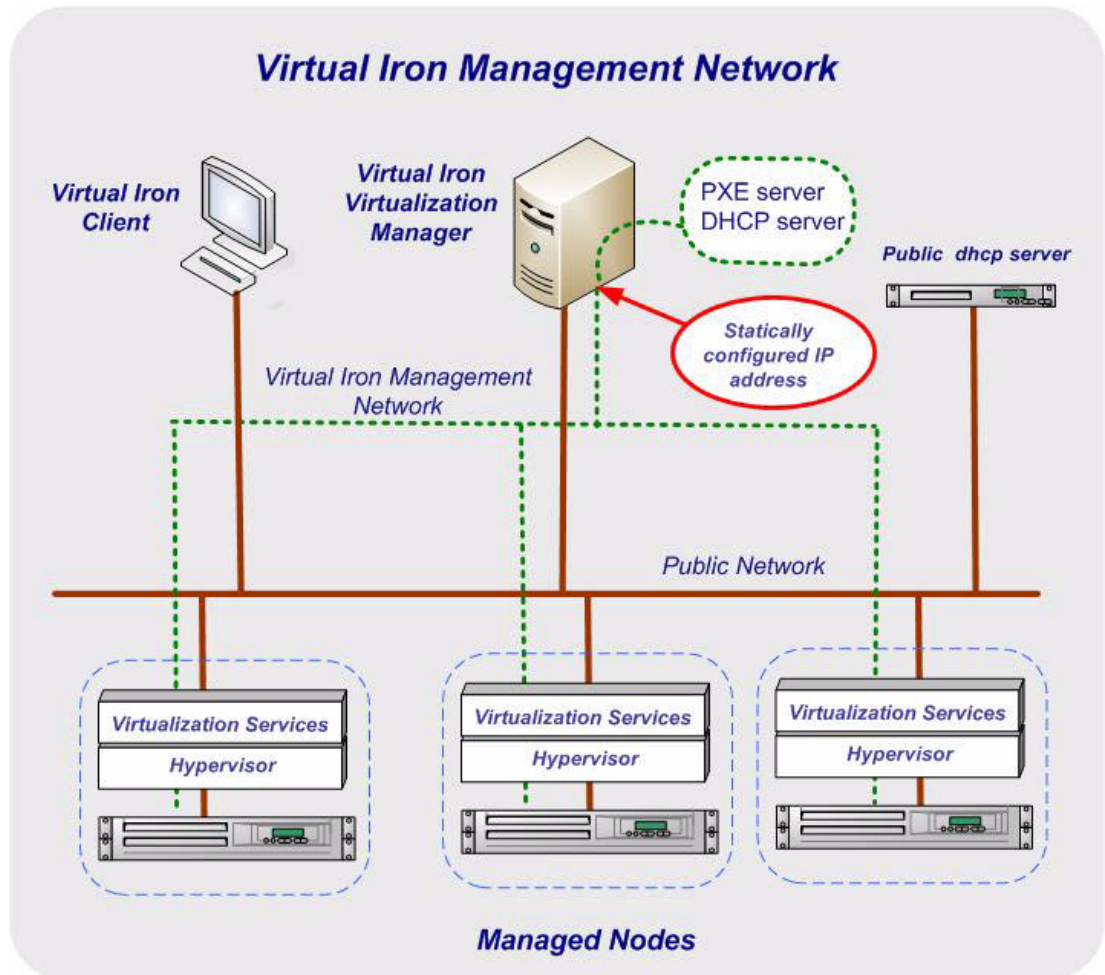


Figure 1. Virtual Iron Management Framework

The Virtual Iron framework includes a management node that runs the Virtual Iron management application, Virtualization Manager, interconnected with one or more managed nodes. The following section presents the requirements for these nodes.

## Management Server Hardware Components

Quantity	Item	Manufacturer	Model
1	Server board	Intel	Intel® Server Board S5000PSL
1	Server chassis	Intel	Intel® Server Chassis SC5400
4 Gbytes minimum	Memory modules	Any supported	Please refer to the Tested Memory List at <a href="http://www.intel.com/support/motherboards/server/s5000psl/sb/CS-022924.htm">http://www.intel.com/support/motherboards/server/s5000psl/sb/CS-022924.htm</a>
2	Intel® Xeon® Processors	Intel	Please refer to the Qualified and Supported Processor List at <a href="http://www.intel.com/support/motherboards/server/sb/CS-022346.htm">http://www.intel.com/support/motherboards/server/sb/CS-022346.htm</a>
2 maximum	SATA 3.5-inch hard drive	Any supported	Please Refer to the Tested Hardware and Operating System List at <a href="http://www.intel.com/support/motherboards/server/sb/CS-022650.htm">http://www.intel.com/support/motherboards/server/sb/CS-022650.htm</a>

Table 1. Intel® Server Board S5000PSL Configuration Hardware

**NOTE:** Managed nodes require Intel VT-based nodes, a CDROM drive, and at least two Ethernet ports. A Fibre Channel card is optional.

## Software Used in the Installation

Dist. By	Description	File Name
Novell	Novell SLES9U3 32bit*	
Novell	Novell SLES9U3 64bit*	
Sun	Java Runtime Environment (JRE) 1.5, 32 bit only	
Virtual Iron	Enterprise Edition	VirtuallronInstall35.exe

Table 2 . Software Bill of Materials

## Product Configuration, Enterprise Edition

If you are using multiple virtual nodes, connect each managed node to the management server (through the dedicated management network), and also to one or more public networks.

For an example of a typical configuration, see Figure 2: Three Managed Nodes with a Dedicated Management Network". Three systems are connected by a dedicated management Ethernet network that is used exclusively by Virtualization Manager to PXE-boot and manage these nodes. (This network is shown as a dashed green line.)

The managed nodes are also connected to a public network. This connection is used by the virtual servers (VSs) hosted on each managed node, but not for Virtual Iron management traffic.