



Intel® Utilities Installation Instructions

These instructions tell you how to install the Intel® Utilities from the Intel® System Management Software CD. These instructions include the following utilities:

- Intel® Command Line Interface (Intel® CLI) Proxy server
- Intel® SNMP Subagent for Intel® server baseboards
- Intel® One Boot Flash Update (Intel® OFU) Utility

These utilities are installed either on the managed Intel server, or on an administrator client or server. The following table identifies where to install the utility:

Intel Utility	Install on Managed Intel Server	Install on Administrative Server or Client
Intel® SNMP Subagents	X	
Intel® SNMP baseboard MIB		X
Intel® OFU	X	
Intel® CLI proxy		X

Supported Intel® Server Boards

- The **Intel® SNMP Subagents** may be installed on all the managed servers supported by Intel Server Management Software.
- The **Intel® CLI proxy** may be installed on any system running a supported Operating System. You can use Intel® CLI to manage any Intel server board with a Baseboard Management Controller or National Semiconductor* mini-BMC.
- The **Intel® OFU** utility may be installed on any managed servers supported by Intel® Server Management Software that has a BMC or National Semiconductor* PC87431x “mini” BMC except Intel® Blade Servers. (For systems with a mini-BMC, you can only use Intel® OFU to update the BIOS, FRU, and SDR records.)

Supported Operating Systems

Managed Servers

Intel® OFU and Intel® SNMP Subagents must be installed on the managed server. Intel® CLI may be installed on a managed server or on another server or client.



The following operating systems (IA32 and Intel® EM64T versions) are supported unless otherwise noted in the *Tested Hardware and Operating System List* for your platform:

- Microsoft Windows* Server 2003 (IA32) and Windows* Server 2003 Enterprise Edition (IA32 and Intel® EM64T versions)
- Microsoft Windows* 2000 Server and Windows* 2000 Advanced Server
- Microsoft Windows* Vista Enterprise Edition
- Red Hat* Enterprise Linux 3 Advanced Server and Enterprise Server
- Red Hat* Enterprise Linux 4 Advanced Server and Enterprise Server
- Red Hat* Enterprise Linux 5 Advanced Server and Enterprise Server
- SuSE* Linux Enterprise Server 9
- SuSE* Linux Enterprise Server 10

Note: Some Intel server platforms may not support all the operating systems listed above. Refer to the *Tested Hardware and Operating System List* or the *Tested Software and Operating System List* to find the latest information on the tested operating system versions and supported software components for your Intel server board. This list is available on the Intel support website (support.intel.com).

Other Client Systems

To install the CLI proxy, or to telnet to an Intel® CLI proxy, use one of the following operating systems (IA32 and Intel® EM64T versions):

- Microsoft Windows* Server 2003
- Microsoft Windows* Server 2000
- Microsoft Windows* Vista Business Edition
- Red Hat* Enterprise Linux* 3
- Red Hat* Enterprise Linux* 4
- Red Hat* Enterprise Linux* 5
- SuSE* Linux Enterprise Server 9
- SuSE* Linux Enterprise Server 10

Note: Some client systems may not support all the operating systems listed above. Refer to your hardware documentation for a list of supported operating systems.

Installing the Utilities

On Microsoft Windows*

1. Verify that the following components are installed before running installing the Intel components:



- a. Intel® SNMP Subagent requires the SNMP component (Master Agent).
2. Insert System Management Software Version CD containing the Intel® Utilities.
3. Select and install the Intel® Utilities from the autorun screen.
4. For Intel® SNMP Subagents, edit the config file as described in the Intel® SNMP Subagent User's Guide.

On Linux*

1. Verify that the following components are installed before running the installation scripts:
 - a. Intel® OFU requires the w3c-libwww and kernel source packages.
 - b. Intel® SNMP Subagent requires the SNMP Master Agent.
2. Open a command shell window.
3. Run the installation script listed in the following table that corresponds to your OS and software component you wish to install.

Note:

The Intel® SNMP Subagent installation script will uninstall the default net-SNMP RPM and install the Intel® Server Management Software net-SNMP 5.4.1 RPM from the installation CD. Intel suggests using the Intel® SNMP Subagent installation script to install this component because it will also create all the required soft links.

Utility	Operating System	Installation Script
DPC-CLI Proxy	SuSE* Linux	<code><cd>/software/Utilities/linux/DPC-CLI/linux/suse/CLI_Suse_Install.sh</code>
DPC-CLI Proxy	Red Hat* Linux	<code><cd>/software/Utilities/linux/DPC-CLI/linux/CLI_RHLinux_install.sh</code>
Intel® SNMP Subagent	SuSE* or Red Hat* Linux	<code><cd>/software/Utilities/linux/SNMP_SA/Baseboard_Subagent/linux/snmpsubagentinstall.sh</code>
Intel® OFU	SuSE* or Red Hat* Linux	<code><cd>/software/Utilities/linux/OFU/setup_linux</code>
IPMI Driver	SuSE* or Red Hat* Linux	<code><cd>/software/Utilities/linux/IPMIDriver/IPMIDriver_Install.sh</code>

4. For Intel® SNMP Subagents, edit the config file as described in the Intel® SNMP Subagent User's Guide.

Installation Notes

- a. Intel® SNMP Subagent requires that the master agent be installed and running. Linux* users will also need to edit the snmpd.conf file. Refer to the *Intel® SNMP Subagent User Guide* for more information.



- b. The Intel® CLI proxy server is normally installed on one management console (not a managed server) and is accessed either from the local console or remotely using telnet. See the *Intel® CLI User Guide* for more information.
- c. Use the System Configuration Utility (syscfg), Server Configuration Wizard (SCW) utility, or Intel® Deployment Assistant to enable BMC users, set BMC user passwords, enable KVM, enable SOL, and set IP Addresses. See the Intel support web site (<http://support.intel.com>) to download these tools.
- d. For running Intel® CLI using telnet, you may need a Microsoft* patch to correct a line feed problem on Windows* XP Professional and Windows* Server 2003. See <http://support.microsoft.com/?kbid=824810> for the hotfix (also available in Windows* XP SP2).
- e. Not all Intel® Server Platforms support Intel® One Boot Flash Update. See the *Tested Software and Operating System List* for a list of supported platforms.

Uninstalling the Software

An uninstall script will be installed with each component in the default installation directory for each component.

Microsoft® Windows*

To uninstall the Intel® Utilities under Microsoft Windows*, use the Add/Remove Software applet in the Control Panel.

Linux*

To uninstall the software under Linux, run the uninstall script listed in the following table.

Utility	Operating System	Uninstallation Script or Procedure
DPC-CLI Proxy	SuSE* Linux	CLI_Suse_UnInstall.sh
DPC-CLI Proxy	Red Hat* Linux	CLI_RHLinux_UnInstall.sh
Intel® SNMP Subagent	SuSE or Red Hat Linux	snmpsubagent_uninstall.sh
Intel® OFU (flashupdate only)	SuSE* or Red Hat* Linux	uninstall.sh
IPMI RPMs installed by Intel® SNMP Subagent	SuSE* or Red Hat* Linux	CAUTION: These components are also used by other components. Do not uninstall these components if you have Intel® Server Management Software installed. IPMIDriver_Uninstall.sh



Running the Software

- To run Intel® CLI, telnet to the Intel® CLI proxy server using port 623.
- To use Intel® SNMP Subagents, run an SNMP management application (not provided in this package) using the MIB installed in the MIB folder on the managed server.
- To use Intel® OFU, go to a managed server with OFU installed and then run “flashupdt” from a command window or shell. Refer to the Intel® OFU documentation for the command syntax.

Documentation

The following documentation is provided on the CD:

- *Intel® One Boot Flash Update User's Guide*
- *Intel® Command Line Interface User's Guide*
- *Intel® SNMP Subagent User's Guide*

The following documentation is provided on the Intel Support website (support.intel.com):

- *Tested Software and Operating System List (may be available in English only)*

Copyright © 2007-2008 Intel Corporation. All rights reserved.

Intel is a trademark of Intel Corporation in the U.S. and other countries.

Microsoft*, Windows*, and Vista* are trademarks, or registered trademarks of Microsoft® Corporation* in the United States and/or other countries.

*Other names and brands may be claimed as the property of others.