

Quick Start Guide for Intel Server Control 1.10.1

System Requirements

ISC has two main software components:

- ISC Server Instrumentation software is installed on the Windows NT, or Solaris server to be managed by the ISC Console software.
- ISC Console software is installed on a Windows NT server or workstation, or on a Windows 95 or Windows 98 workstation, that will manage the server.

Both the managing console(s) and the managed server(s) must meet the minimum system requirements listed below.

Managed Server Requirements

ISC supports several Intel motherboards. For a complete list of supported server motherboards and qualified BIOS revision levels, see the ISC release note files (README.TXT and ERRATA.TXT). The following requirements must be met for the Windows NT, or Solaris managed server.

Windows NT Requirements

If you intend to manage a Windows NT server, you must have an account with administrative rights available to you. The server must also meet the following minimum requirements:

- Windows NT Server 4.0 (SP 4), or Enterprise Edition
- One of the Intel motherboards, as specified in the release notes
- 32 MB of RAM
- 60 MB of available disk space

Windows NT SNMP or SNMP service installed (required only for connectivity to an SNMP management console)

Solaris Requirements

If you intend to manage a Solaris server, you must have an account with root privileges available to you. The server must also meet the following minimum requirements:

- Solaris 7
- One of the Intel motherboards supported under UNIX, as specified in the release notes
- 32 MB of RAM
- 60 MB of available disk space

UNIX SNMP and ONC RPC installed (these are part of the standard operating system)

Console Requirements

The ISC Console software integrates into HP Network Node Manager, Intel LANDesk Server Manager, or CA Unicenter-TNG consoles. See ISC release notes for supported

versions of these software packages. ISC also runs in a stand-alone environment. You can choose to install the stand-alone environment during Setup. If you do not choose the stand-alone environment and no management console is present, the ISC GUI software will not install.

Windows 95 or Windows 98

- Intel® Pentium® microprocessor or higher
- At least 32 MB of RAM
- At least 10 MB of available disk space
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Windows NT

- Windows NT Server, or Workstation 4.0, or Enterprise Edition
- Intel Pentium microprocessor or higher
- At least 64 MB of RAM
- At least 10 MB of available disk space

Installation

Before running Setup, verify that you have administrative rights for all servers and consoles on which you will be installing ISC.

Compatibility and Upgrade Issues

If you are upgrading ISC from a previous release, please refer to the ISC User Guide for compatibility and upgrade issues.

Windows 95 / 98 / NT Installation

Installing ISC Console / Instrumentation

The ISC 1.8.1 package contains both the console and instrumentation software. To install, launch ISCSetup.exe if it is downloaded from the web or Launch Binaries\Setup.exe if it is from a CD-ROM. Follow the instruction on the screen to continue.

After the installation is completed, please reboot the system.

Installing Maintenance Release 2.1

The ISC 1.8.1 MR 2.1 is the maintenance release package that addressed a number of issues in the original version of the software. To install, launch Binaries\Setup.exe. Follow the instruction on the screen to continue. In some system, user might need to rerun setup.exe after the system is rebooted the first time. Please follow the instruction on screen for details.

After the installation is completed, the system will be rebooted.

Solaris Installation

Installing ISC Server Instrumentation

ISCSOL.PKG contains the ISC Server instrumentation software for Solaris. To install:

- Load the ISC CD-ROM into the local windows console system and change the directory to \isc\Solaris.
- Open an ftp session to the Solaris server. Change the mode to binary. Put the ISCSOL.PKG file on this server, into any directory, such as <xdir>. Close the ftp session.
- Log in as root on the Solaris server.
- Issue the command "pkgadd -d <xdir>/ISCSOL.PKG". Follow the installation prompts to accept the license agreement and install confirmation. Note: <xdir> is the directory name used in step 2.
- Please reboot your Solaris server after the installation is completed.
- In order for ISC to forward SNMP trap correctly under Solaris 7, A patch for the Solaris 7 is required. The patch number is 107710-03. The patch can be downloaded from Sun Microsystem's web site <http://sunsolve.sun.com>.

Additional Software Patch for Solaris SNMP / DMI package

If you are using earlier then 11/99 version of Solaris 7, you need to install a special SNMP / DMI software patch in order for ISC to forward SNMP trap correctly under Solaris 7. The patch number is 107710-03. The patch can be downloaded from Sun Microsystem's web site at <http://sunsolve.sun.com>.

Configuring SNMP–DMI mapper for Solaris

If any SNMP management console (e.g. HP OpenView, CA UniCenter) is used to manage a Solaris server, the following describes the additional steps required to configure the Solaris SNMP-DMI mapper on the Solaris server.

- Make sure that /etc/dmi/conf/snmpXdmid.conf file contains the following line.

```
TRAP_FORWARD_TO_MAGENT = 1
```

- Add the following lines to /etc/dmi/conf/snmpXdmid.conf file

```
ENTERPRISES = 1.3.6.1.4.1.343.2.6.2.2.1
ENTERPRISES = 1.3.6.1.4.1.343.2.6.2.2.1.100.1
ENTERPRISES = 1.3.6.1.4.1.343.2.6.2.2.1.104.1
ENTERPRISES = 1.3.6.1.4.1.343.2.6.2.2.1.108.1
ENTERPRISES = 1.3.6.1.4.1.343.2.6.2.2.1.113.1
ENTERPRISES = 1.3.6.1.4.1.343.2.6.2.2.1.114.1
ENTERPRISES = 1.3.6.1.4.1.343.2.6.2.2.1.116.1
ENTERPRISES = 1.3.6.1.4.1.343.2.6.2.2.1.140.1
ENTERPRISES = 1.3.6.1.4.1.343.2.6.2.2.1.201.1
ENTERPRISES = 1.3.6.1.4.1.343.2.6.2.2.1.202.1
```

- Add the following lines to /etc/snmp/conf/enterprises.oid

"Intel Corporation, Baseboard"	"1.3.6.1.4.1.343.2.6.2.2.1"
"Event Generation for Processor"	"1.3.6.1.4.1.343.2.6.2.2.1.100.1"
"Event Generation for Power Supply"	"1.3.6.1.4.1.343.2.6.2.2.1.104.1"
"Event Generation for Physical Memory"	"1.3.6.1.4.1.343.2.6.2.2.1.108.1"
"Event Generation for Voltage Probe"	"1.3.6.1.4.1.343.2.6.2.2.1.113.1"
"Event Generation for Temperature Probe"	"1.3.6.1.4.1.343.2.6.2.2.1.114.1"
"Event Generation for Physical Container"	"1.3.6.1.4.1.343.2.6.2.2.1.116.1"
"Event Generation for Cooling Device"	"1.3.6.1.4.1.343.2.6.2.2.1.140.1"
"Event Generation for Power Unit"	"1.3.6.1.4.1.343.2.6.2.2.1.201.1"
"Event Generation for Cooling Sensors"	"1.3.6.1.4.1.343.2.6.2.2.1.202.1"

- Add the following lines to /etc/snmp/conf/snmpd.conf file in trap parameters section.

```

trap = {
{
    trap-community = public
    hosts = <please specify your host name(s) here>
{
    enterprise = "Intel Corporation"
    trap-num = 0-500
}
{
    enterprise = "Intel Corporation, Baseboard"
    trap-num = 0-500
}
{
    enterprise = "Event Generation for Processor"
    trap-num = 0-500
}
{
    enterprise = "Event Generation for Power Supply"
    trap-num = 0-500
}
{
    enterprise = "Event Generation for Physical Memory"
    trap-num = 0-500
}
{
    enterprise = "Event Generation for Voltage Probe"
    trap-num = 0-500
}
{
    enterprise = "Event Generation for Temperature Probe"
    trap-num = 0-500
}
{
    enterprise = "Event Generation for Physical Container"
    trap-num = 0-500
}
{
    enterprise = "Event Generation for Cooling Device"
    trap-num = 0-500
}
{
    enterprise = "Event Generation for Power Unit"
    trap-num = 0-500
}
{
    enterprise = "Event Generation for Cooling Sensors"
    trap-num = 0-500
}
{
    enterprise = "sun"
    trap-num = 0, 1, 2-5, 6-16
}
}
}

```

And specify the name of the host that you want to use for receiving traps in the hosts section above.

- In /etc/hosts file, please add the host name with the corresponding IP address.
- The system needs to be rebooted to complete these configuration changes.

Please consult the User Guide for details on further configuration of the ISC software.