ISM Readme: Important Information about ISM 5.5.5 For Your HP cc3310 Carrier Grade Server

Important Notes

This Readme contains important information about:

- *"System Requirements"*
- *"Installation"*
- *"Additional Instrumentation Setup"*
- *"Independent Hardware Vendor (IHV) Instrumentation"*
- *"LANAlert Viewer"*
- *"Serial Port Limitations"*
- *"Interrupting the Power On/Off Loop with LRA.NOT File"*

System Requirements

The ISM supports the following operating systems for the cc3310 Carrier Grade Server:

- Red Hat Enterprise Linux 3 Enterprise Server (Kernel 2.4.21-4.EL and higher: AS and ES versions)
- Microsoft® Windows® 2000 Advanced Server (AS) (Service Pack 3 and higher)
- Microsoft Windows 2003 AS

The ISM supports the following operating systems for the system management console:

- Windows 2000 AS (Service Pack 3 and higher)
- Windows 2000 Professional (Service Pack 3 and higher)
- Windows XP Professional
- Windows 2003 AS

If you are using an Intel LAN Adapter (EtherExpressTM, PRO/100b LAN Adapter, or others), download and install the most current driver from http://support.intel.com.

Installation

The ISM services on a managed server can take a few minutes to completely initialize. The time required varies depending on the speed of the server and the software installed.

Reboot your system (console or server) after installing any ISM component.

If an ISM console is started in order to manage the server prior to all the services being initialized, ISM may display incomplete information. You may also notice a sluggish response from the console or not all the sensor folders being displayed, due to the length of initialization of network protocols.

January 2006 v2
Printed in the U.S.A.

Additional Instrumentation Setup

ISM uses the Event Logging feature of the BIOS. To enable this feature, boot from your server's System Setup Utility (SSU) and set the following item under System Management Options:

```
System Event Logging = Enable
```

Independent Hardware Vendor (IHV) Instrumentation

When a server with the Adaptec on-board SCSI controller has a zero channel RAID controller installed on the system , the Adaptec SCSI instrumentation will no longer provide reliable information on the SCSI controller or attached SCSI hard disk drives. Windows 2003 AS does not support a zero channel RAID controller and HostRAID configuration.

When a server with an Adaptec on-board SCSI controller has HostRAID enabled, the Adaptec SCSI DMI instrumentation integrated with ISM 5.5.x will not work correctly. The Adaptec HostRAID Alert Utility located on the server's resource CD can be installed to receive local alerts for the RAID volume. The Adaptec HostRAID Alert Utility does not include DMI or SNMP support. Contact Adaptec for the management software release that provides DMI and SNMP support for their HostRAID products.

When ISM 5.5.x is uninstalled from a server with the Adaptec HostRAID utility installed, the Adaptec HostRAID Utility will no longer work correctly. To correct this, uninstall the Adaptec HostRAID utility and reinstall it.

In order to have SNMP support for Intel network adapters download the native SNMP agents from the drivers and software download pages for your specific network adapter accessed from the network adapter URL at http://support.intel.com/support/network/adapter/index.htm.

Intel cannot guarantee the successful operation of third party instrumentation integrated with ISM for on-board components, if the DMI instrumentation for these components is installed outside of the ISM installation procedure.

LANAlert Viewer

The SNMP trap service needs to be installed so the LanAlert Viewer can receive SNMP traps from ISM servers. The service can be activated by the operating system or installed from the operating system CD.

The Windows XP Security Patch for Memory Leak in SNMP must be installed on Windows XP Console Systems in order to view SNMP traps in LAN Alert Viewer. Download the Windows XP Memory Leak in SNMP Vulnerability patch from the Microsoft® web site.

Serial Port Limitations

The Serial 2 (RJ-45) port on the back I/O panel can be configured for use in several different ways: As a standard serial port, as an Emergency Management Port or for redirection of serial output over the Local Area Network (LAN). You configure these options by using either the System Setup Utility (SSU) or the Server Configuration Wizard (SCW). Because the server has only the Serial 2 port available on its back I/O panel, it has these limitations:

1. If you use the RJ-45 as a standard serial port there are no limitations and the operating system has full access to the Serial 2 port at all times.
2. If you have configured Serial 2 for use as an Emergency Management Port and "always available", the SerialB port will be accessible by remote server management software at all times. The operating system will never be able to access the Serial 2 port.
3. If you have configured the Serial 2 port for Serial Over LAN (SOL) functionality, the SerialB port functionality will only be impacted when there is an active SOL session from a remote console. At all other times either the operating system will have full access to the SerialB port or, if configured, the Emergency Management Port will control the SerialB port.

Interrupting the Power On/Off Loop with LRA.NOT File

A potential Power Cycle On/Off loop can be interrupted by adding a file named `LRA.NOT` to the root of the operating system or to a floppy disk inserted prior to boot up. The on/off loop can prevent a normal login sequence to occur before the file can be added to the system. The following process can be performed on systems that do not have a floppy drive.

Windows operating systems: Select F8 during the boot sequence and select **"Safe Mode"**. Log onto the system and add the `LRA.NOT` file to the root of `C:\`. Reboot to normal operating mode, clear the loop condition, remove the `LRA.NOT` file and reboot again to the normal operating mode.

Linux operating systems: Linux requires a lowercase `lra.not` file. Boot the system as a single user. Add the `lra.not` file to the root of `"\"`. Reboot to normal operating mode, clear the loop condition, remove the `lra.not` file and reboot again to the normal operating mode.