

Topic: Wake on LAN (WOL) Support on R1200
Component(s) Affected: ClearCube R1200
Date: May 5, 2004

OVERVIEW / ENVIRONMENT

In order for the power save modes to function properly on the R1200, the NIC property settings must be configured properly.

DETAILED DESCRIPTION

The operating system and NIC driver work together to control the power-down and wake-up behavior of the system. Standby and Hibernate modes pose a challenge because the system is placed into a low power halt state and does not respond to normal network traffic. In order to remotely bring a suspended system back to normal operation, the network card must be able to detect a special type of packet and wake up the rest of the system. This functionality is termed Wake On Lan, or WOL. The NIC must continue to receive standby power while the system is suspended. Upon reception of a Magic Packet, the NIC generates a Power Management Event (PME) which restores power to the rest of the system. The following driver settings ensure proper suspend and WOL functionality.

RESOLUTION

To activate the R1200 Blade's Wake On Lan functionality, three property settings must be changed. These are:

- Enable PME
- Wake On Link Settings
- Wake On Setting

The Enable PME property setting should be changed to **Enabled**. The Wake On Link Settings and Wake On Setting should both be changed to **OS Controlled**. To make these changes, do the following:

1. Open Device Manager.
2. Click on **Network Adapters**.
3. Right-click on the Intel Pro/1000 CT Desktop device and go to Properties.
4. Select the **Advanced** tab.
5. Change the Enable PME property setting from **No Action** to **Enabled**.
6. Change the Wake On Link Settings from **Disabled** to **OS Controlled**.
7. Change the Wake On Setting from **Disabled** to **OS Controlled**.

For more information, please contact ClearCube technical support.

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