

Re: Vista fixes PCIe re-install problem ... why ?

Start. The second happens in Start. In both cases it is reasonable for the entire driver load to happen properly but for the device to disappear during Start if one of these situations is happening.

To debug, you can set a breakpoint on `PcipIsSameDevice`. This will compare a config header read from the hardware with the cached values in the PDO. It should be possible to step through this routine and see where the mismatch is occurring. If the config header buffer contains all FF's, then we're probably talking about a timing problem where the device momentarily becomes unavailable. If it looks right but the subsystem ID is wrong, we're probably talking about the subsystem ID problem above.

If it is one of these kinds of problems, then it's not reasonable for OS's to preserve behavior across versions – we're talking about hardware bugs. We make every effort to provide consistent backwards compatibility, but preserving perfect compatibility, even for non-compliant hardware, means that we can't make any changes, not even bugfixes.

–Eliyas