pfSense - Bug #15287

hw.ix.unsupported_sfp=1 parameter for ix driver not working

02/23/2024 09:29 AM - Eric Chaubert

Status:	New		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Interfaces		**Estimated time:**	0.00 hour
Target version:				
Plus Target Version:			**Affected Version:**	2.7.2
Release Notes:	Default		**Affected Architecture:**	amd64

Description

When using ix driver with an Intel 82599ES chipset the driver seem not to support anymore the hw.ix.unsupported_sfp=1 even if configured in the loader.conf files.

On top of that when enumerating the pic numbers if the drivers fails on one interface it uses the same interface id for the next one. This creates a physical to logical binding of the psi slots that changes between boot sequences weather there is an initialisation error on one pci device which is not the expected behaviour,

Reading through the various message boards it looks like a regression as it was reported to work on previous releases.

Drivers, configs, logs and trace information attached to this bug report as files.

Firmware versin: dev.ix.0.fw_version: eTrack 0x800004e1 PHY FW V65535

History

#1 - 03/10/2024 12:37 AM - Kris Phillips

This is likely an upstream FreeBSD issue, as we simply pull this functionality from there.

As a workaround, you can modify the EEPROM of your Intel X520 NIC to permanently disable the SFP check on a hardware level, rather than changing it in software.

#2 - 07/04/2024 03:58 PM - Kris Phillips

Customer in ticket 2922636846 is running into this.

Files

ixdebug.rtf	29.8 KB	02/23/2024	Eric Chaubert