

ÃÑÜöïíôáò ÁíáöïñÝò ÐñîäëçìÜôùí ãéá ôï FreeBSD

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\$FreeBSD: doc/el_GR.ISO8859-7/articles/problem-reports/article.sgml,v 1.6
2008/12/10 00:07:37 keramida Exp \$

Ôï FreeBSD áβíáé Ýíá éáôï÷ ðñùìÝíí àìðñééü öýíäíëï òïö FreeBSD Foundation.

Ç ëÝíç CVSup áβíáé éáôï÷ ðñùìÝíí àìðñééü öýíäíëï òïö John D. Polstra.

Íé ëÝíáéò ð ðñÜóáéò IBM, AIX, EtherJet, Netfinity, OS/2, PowerPC, PS/2, S/390, éáé ThinkPad áβíáé àìðñééü öýíäíëä ôçò International Business Machines Corporation óðéò ÇíùìÝíáò Ðíëéòáβáò, Üëëáò ÷ þñáò, ð éáé óá äýí óáðöü÷ ñííá.

Íé ëÝíáéò Intel, Celeron, EtherExpress, i386, i486, Itanium, Pentium, éáé Xeon áβíáé àìðñééü öýíäíëä ð éáôï÷ ðñùìÝíá àìðñééü öýíäíëä ôçò Intel Corporation éáé öùí ëðááðñéëþí ôçò óðéò ÇíùìÝíáò Ðíëéòáβáò éáé óá Üëëáò ÷ þñáò.

Íé ëÝíáéò ð ðñÜóáéò Sparc, Sparc64, SPARCEngine, éáé UltraSPARC áβíáé àìðñééü öýíäíëä ôçò SPARC International, Inc. óðéò ÇíùìÝíáò Ðíëéòáβáò éáé óá Üëëáò ÷ þñáò. Óá ðñíüííóá ðïö öÝñíïí óá àìðñééü öýíäíëä SPARC áβíáé ááóéóíÝíá óðçí áñ÷éðáéðñéëþ ðïö áíÝððïíá ç Sun Microsystems, Inc.

Íé ëÝíáéò ð ðñÜóáéò Sun, Sun Microsystems, Java, Java Virtual Machine, JavaServer Pages, JDK, JRE, JSP, JVM, Netra, Solaris, StarOffice, Sun Blade, Sun Enterprise, Sun Fire, SunOS, Ultra éáé VirtualBox áβíáé àìðñééü öýíäíëä ð éáôï÷ ðñùìÝíá àìðñééü öýíäíëä ôçò Sun Microsystems, Inc. óðéò ÇíùìÝíáò Ðíëéòáβáò éáé óá Üëëáò ÷ þñáò.

ÐíëéÝò áðü óéò ëÝíáéò ð ðñÜóáéò íé ïðíáò ÷ ñçóéííðíëýíóáé áðü òïö éáóáóéáðáóôÝò ð òïö ðñéçòÝò òïö ãéá íá áéáëñþííïí óá ðñíüííóá òïö ëáññýíóáé àìðñééü öýíäíëä. ¼ðïö áðôÝò àìðáíβæííóáé óá áðöü òí ëáβíáíí éáé ãéá üóáò áðü áðôÝò áíùñβæáé ç ïÜáá ÁíÜððïíçò òïö FreeBSD üéé áβíáé ðééáííí íá áβíáé àìðñééü öýíäíëä, ëá ááβóá Ýíá áðü óá öýíäíëä: “TM” ð “®”.

Áðöü òí Üñëëí ðáñéáñÜóáé ðñò íá ïññïðíëéþóáðá éáé íá óðáβéáðá íéá áíáöíñÜ ðñíäëþíáðñò óðçí ñÜáá áíÜððïíçò òïö FreeBSD.

Ðβíáéáò Ðáñéá÷íÝíí

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1. Áéóá~ù~ãP

[illegible]

Ἀδού οἱ ἐαβίαῖ ἀβίαε ἰέα θηποδῦεαεῖ ἰά θανέανῦθῦ θυο ἰθναβόα ἰά ἀνῦοαόα εαεῖ Ὑο ἀράωνῖ Ὑο θηραεῖ ῶουῖ. Ὁε
 ἀβίαε, εα ἰα νυοβόαοα, ἰέα εαεβ ἀράωνῖ θηραεβίαοῖο; Ἐρεθῦ, αεῖ ἰά ἀβίαοα ἀεεααβο, ἰέα εαεβ ἀράωνῖ θηραεβίαοῖο
 ἀβίαε αοοβ θῖο ἰθναβ ἰά ἀράεοεαβ εαε ἰά οῖι ÷ ἀεεεοοαβ εῦθιεῖο ἀνβαινα, ἰα ἀθῖοῖεαοῖα οῖι αο ÷ ἀνβόοοος οῦοῖ οῖο
 ἀθῖοοῖεῖα υοῖ εαε οῖο θηραεβίαοεοοβ θῖο οῖι ἀῖεααα.

Δάνειοι στο οι εορτεύονται iYnro αφορύ στο Ύνεπιο αράoYnαοάε οόόε αράοινYό θnιὰεçiÛóuι ότο FreeBSD, όά όεί όρεçÛ
αδó uόά έα όrγiα άαθ έό÷rόi έάε άάέέευοάnα. άέά όρεçÛ Ûέεά όnÛάiόά.

[illegible]

2. Ðüôå íá óôåβëåôå ìéå áíáöïñÛ ðñïåëïáôïò

[illegible][illegible]

Εὐθιῶδες δ'ἀνέδδ'οπάεδ' ὄρω δέε'αῖνι ἰά ἀβίῳ ἐάειP ἐα'Υά ἰά οὐἀβῆαὸα ἰῳ ἀτάοιν'Ὑ δ'ἡιῶειPἰαὸιὸ ἀῳ εὐὸε δ'ἰο ἀἰ ἀβίῳ
bug, ἀβίῳ:

- Ἀέποραέο ἀέα λαεπειόεέΥο ἀαεοεπόαέο. Ἀβίαε ἀαίεεῦ ἐάεΡ ἐάΥά ρά ἀεείεῦόαόα ρά οόαεόΡόαόα οηπόα οΥόιεάο ἐάΥάο οά εῦΟιεά εΒόοα εεάεοηιέερύ οά÷οαηηἈΒιο οηεί οοάβεαόα ιέα ἀράοηηῦ οηιαεΠιαόοο.
- ἈεαοιΒεόόε ἀέα ἀρζιανηῦΥίαο ἀεαυόαέο οηηαηηῦΟοη (εοηβυο ports, αέεῦ ἐάε ιΥηε οιο ἀαόεέρύ οόοόΠιαόοο οιο οόιόεηηῦιόαε αδυ οηΒοίοο, υδυο οι BIND ἐάε οά αεῦοηηά GNU ἀηααέαβα).

¼ðáí Ýía ðáéÝôi áái áβíáé õðui òçí Ûíáoç áðβáéαøç áíuið áðβόçíið òðáyεðíið (ç òçíP òið MAINTAINER áβíáé ports@FreeBSD.org) iðíñáβ iðíεíóáPðíðá committer Þ Ûεεíð áíáéáðáñuiáñð íá áéá÷áéñéóóáβ áóðÝð òéð áéαíðíεPóáéð. Iðíñáβ, áéuiç, íá óáð æçðçεáβ éáé êÙðíεí patch áéá áíçíáññéáβ òi ðáéÝôi. Áí Ý÷÷áð Þæç òééÛíáé

εὐδὶεῖ patch, ἐαῖε ἁβίαέ ἰά ὁῖ ὀδὶδᾶνέεῦᾶᾶ ἑέ ἀῶδὺ ὀδῖ ἰάσινῶν Δὴνᾶεῖς ὁὐὶ ἐά ὀδᾶβῆᾶᾶ. ὁῶε ἀσῖῦνῖῶᾶέ ἰέ δῆεῖῦὀδῶδ ἰά ὁῖ ἁᾶε εὐδὶεῖδ committer δῖῶ ἰάεᾶὀῦῖᾶὀᾶᾶ ἑᾶέ ἰά ÷ ἁῆῆὀὀᾶᾶ ἀὀδᾶ ὀδῖ ἰάσινῶν Δὴνᾶεῖς ὁὐὶ δῆῖ ὀῖῖῖᾶ.

ἰᾶὀᾶ Ἰᾶ δᾶεῖὁῖ ἁβίαέ ὀδὺ ὀδῖ ἁδᾶῆᾶὀῖ εὐδὶεῖδ, ὀσῖᾶῦδ ἁᾶῖ ἁβίαέ ἐᾶῆᾶὀᾶᾶ ÷ ἡᾶὀῆᾶ ἰέ ἰάσινῶν Δὴνᾶεῖς ὁὐὶ ἀδῆᾶ ἰᾶῆῖῖῖῖῖ ἰᾶ ἐᾶῖῖῖῖῖ Ἰῆᾶὀῖ ἁδὺ ὁῖ ὀᾶᾶᾶὀῦᾶ ὁῖ δῖᾶᾶᾶ ἑᾶῆᾶ ὁῖ δᾶεῖὁῖ. ὀσῖᾶῦδ ὁῖ Ἰῖᾶῆ ᾶᾶ ἰ ὀδᾶῖὀᾶὀᾶ ὁῖ δᾶεῖὁῖ ἁῆᾶ ὁῖ FreeBSD, ᾶ Ἰ ÷ ἁῆ ὀῖᾶᾶᾶὀᾶᾶ ἰᾶ ὁῖ ὀᾶᾶᾶὀῦᾶ ὁῖ δῖᾶᾶᾶ ἑᾶῆᾶ ἁῆᾶ ὀῖ Ἰᾶ Ἰῆᾶὀῖ, ᾶ ἁῖῆῖᾶᾶ ὁῖ δᾶεῖὁῖ ἁῆᾶ ἰᾶ ἁᾶε ὕὀῖ ὕῆᾶ ἰᾶῆῖῖῖῖῖ ἰᾶ ἁῖὀῆῖῖῖ, ἑῖῆ.

ἰᾶὀᾶ ἑᾶέ ἰᾶ ÷ ἁῆ, ἁβίαέ ἐᾶῖᾶ ἑᾶῖᾶ ἰᾶ ἁῖῖῖὀῖᾶὀᾶ ὀῖ ἁῆᾶῆᾶὀᾶ ἁδὺ ὁῖ Porter's Handbook (http://www.FreeBSD.org/doc/el_GR.ISO8859-7/books/porters-handbook/port-upgrading.html).

ἰᾶ bug δῖῶ ἁᾶῖ ἰδῖᾶᾶ ἐᾶῖᾶὀ ἰᾶ ὁῖ ἰᾶὀᾶᾶᾶᾶ ἁβίαέ δῖῖῖ ἁῖὀῖῖ ἰᾶ ἁῖῖῖὀῖᾶ. Ἀῖ ὁῖ bug ἁῖὀᾶᾶὀὀῖᾶ ἰᾶ ὀῖᾶ ἰᾶῖ ἁᾶῖ ἰδῖᾶᾶὀ ἰᾶ ὁῖ ἰᾶὀᾶᾶᾶᾶ ἁὀᾶὀ, ἑᾶέ ὀᾶῖᾶῖῖῖῖ ἁᾶῖ ἁῖὀᾶᾶᾶὀᾶ ὀᾶ ἑᾶῖᾶῖ ὕῖῖ, ἁβίαέ δῖῖῖ ἰῆῖᾶ ἰῆ ὀῖῖῖὀὀᾶ ἰᾶ ἰδῖᾶᾶ εὐδὶεῖδ ὁῖᾶᾶᾶὀὀᾶὀᾶ ἰᾶ ὁῖ ἰᾶῆᾶῖὀᾶ ἑᾶέ ἰᾶ ἐᾶὀᾶῖᾶὀ ὀᾶ ἁβίαέ ἀὀᾶ ὁῖ δῖῖῖὀᾶ ὁῖ εὐῖῖ. Ἀὀᾶ ἁᾶῖ ὀῖᾶᾶῖ δὺδ ἁᾶῖ ὀῖᾶᾶᾶῖ, ἁῆῖῖ ὀῖᾶᾶῖ δὺδ ῖ δῆῖῖὀὀᾶ ἰᾶ ἰᾶᾶᾶὀᾶ ῖ ἰᾶᾶᾶὀᾶ ῖ ἰᾶᾶᾶὀᾶ ἁβίαέ ὀᾶᾶ δῖῖῖ ἰῆῖᾶ, ἑᾶέ ἰῖῖῖ ἁβίαέ ἐᾶῖὀᾶᾶ ἰᾶ ὀᾶᾶὀᾶὀᾶ ἰᾶ ἁὀ ÷ ἰῆᾶὀᾶ ἰᾶ ὁῖ ἑῖᾶ. Ἀῖῖᾶ ÷ ἁῖῖὀᾶᾶ, εὐδὶῆὀ ὀῖᾶ ἁὀῖῖ ὁῖ ἁᾶῖὀ ὀᾶ δῖᾶῖᾶὀᾶ ἰᾶᾶῖῖὀᾶ ὀᾶ δῖᾶῖᾶὀᾶ ὁῖ ὀῖῖῖῖ (÷ ἁῆὀῖῖῖὀ ὀῖῖῖῖὀ ἁὀῖὀὀ ᾶ ὀᾶᾶᾶᾶὀᾶ ὁῖ ὀᾶᾶᾶᾶᾶᾶὀᾶ). Δῖᾶὀᾶ ὀᾶᾶᾶᾶ ὁῖῖ ὀᾶῖᾶὀᾶ ἰᾶ ἰᾶᾶᾶὀᾶ ὁῖᾶᾶᾶὀᾶ ὁῖᾶᾶᾶὀᾶ ἁβίαέ ἁὀᾶὀᾶ ἰᾶ ἁβίαέ εὐὀῖ ὀᾶῖῖῖ, ἰᾶ δῖᾶὀᾶᾶὀᾶ ὀᾶᾶᾶὀᾶ ὀᾶᾶᾶὀᾶὀᾶ.

Ἀῆᾶ ἰᾶ ἁὀᾶὀᾶὀᾶὀᾶ ὀᾶ δῖῖῖ ἑᾶὀᾶᾶᾶ δῖᾶῖῖὀᾶ ἰᾶᾶᾶ ῖ ἰᾶᾶᾶὀᾶ ὀᾶὀ, δῖᾶὀᾶ ἰᾶ Ἰ ÷ ὀᾶ ἑᾶὀ ἰᾶ ἁῖὀᾶᾶ ἰᾶ ἰᾶᾶὀᾶ ὁῖ ἑᾶὀᾶῖῖῖ ἁδὺ ὁῖ ἰᾶᾶᾶ ἁὀᾶᾶᾶὀᾶ ὁῖ FreeBSD:

- ἰ ἑᾶῆᾶὀ ὁῖ ἁὀῖῖῖ ὀὀὀᾶὀᾶὀᾶ δῖῖ Ἰ ÷ ἁῆ ἁᾶὀᾶᾶ ἑᾶέ ὀὀὀᾶᾶὀᾶ ἁδὺ ὀδῖ ἡᾶᾶ ὁῖ FreeBSD. ὀᾶ ἁὀᾶ ὀδῖ ἑᾶὀᾶᾶᾶ ἑᾶὀᾶῖῖῖ ἰᾶᾶᾶὀᾶ, ῖ ἁῆᾶῖῖῖ ὀὀᾶ C, ἑᾶέ ἰῆ ἰᾶᾶᾶ ὀὀὀᾶᾶᾶ (ἑᾶὀᾶᾶᾶ *kern*), ὀᾶ ἁᾶᾶᾶᾶ ἁᾶᾶᾶ ἁὀᾶᾶ ὁῖ ἁὀῖῖ ὀὀὀᾶὀᾶὀᾶ (ἑᾶὀᾶᾶᾶ *bin*), ἰῆ ὀᾶᾶᾶ ἁᾶᾶᾶ ἑᾶέ ῖ ὀᾶῖᾶᾶὀᾶ ὁῖ FreeBSD (ἑᾶὀᾶᾶᾶ *docs*), ἑᾶέ ἰ ὀὀὀᾶὀᾶ ὁῖ FreeBSD (ἑᾶὀᾶᾶᾶ *www*). ἰᾶᾶ ὀᾶ δῖᾶῖᾶὀᾶ ἰᾶ εὐδὶῖ ἁδὺ ἁὀᾶ ὀᾶ ἰᾶᾶ ὁῖ FreeBSD δῖᾶὀᾶ ἰᾶ ἰᾶὀῖᾶὀᾶ ὀδῖ ἡᾶᾶ ἁὀὀὀὀᾶ ὁῖ FreeBSD.
- ἰ ἑᾶῆᾶὀ ὁῖ ἁὀῖῖῖ ὀὀὀᾶὀᾶὀᾶ δῖῖ Ἰ ÷ ἁῆ ἁᾶὀᾶᾶ ἑᾶέ ὀὀὀᾶᾶὀᾶ ἁδὺ ὁᾶὀᾶ ἁῆῖῖ Ἰ ÷ ἁῆ ἁὀᾶᾶὀᾶὀᾶ ὀὀᾶ FreeBSD ἑῆ Ἰ ÷ ἁῆ ὁᾶᾶᾶὀᾶὀᾶ ὀᾶ ἁὀᾶ. Δᾶᾶᾶᾶᾶὀᾶ ὀᾶὀῖῖ δῖᾶᾶᾶὀᾶ ἁβίαέ ὁῖ **bind**, ἰ ἰᾶὀᾶὀὀὀὀᾶ *gcc(1)* ἑᾶέ ὁῖ *sendmail(8)*. ὀᾶ δᾶᾶὀὀὀὀᾶ δῖᾶῖᾶὀᾶ ἰᾶ εὐδὶῖ ἁδὺ ἁὀᾶ ὀᾶ δῖᾶᾶᾶὀᾶ δῖᾶὀᾶ ἰᾶ ἰᾶὀῖᾶὀᾶ ὀδῖ ἡᾶᾶ ἁὀὀὀὀᾶ ὁῖ FreeBSD. ὀᾶ ἰᾶᾶῖὀᾶ δᾶᾶὀὀᾶὀᾶ ἰδῖᾶᾶ ἰᾶ ÷ ἡᾶὀὀᾶ ἰᾶ ἰᾶὀᾶᾶῖῖ ὀὀᾶ ἁᾶ ÷ ῖῖῖὀᾶ ὀᾶᾶᾶὀᾶὀᾶ ὁῖ ἁὀὀὀὀᾶ ÷ ὁῖ δῖᾶᾶᾶὀᾶ. ἁῆᾶῖῖ ἁὀ ὁῖ δῖᾶῖᾶ ἁᾶῖ ἁὀᾶᾶᾶὀᾶ ἰᾶ ὁὀᾶ FreeBSD. ἰῆ δῆῖ ὀὀὀὀὀᾶ ἰᾶᾶ ἑᾶὀᾶᾶᾶ ἁῆᾶ ὀὀᾶ ἰᾶὀῖᾶὀᾶ δῖᾶῖᾶὀᾶ ὀ ÷ ὀὀῖῖ ἰᾶ ἁὀᾶ ὀᾶ δῖᾶᾶᾶὀᾶ ἁβίαέ ἰῆ *bin* ἑᾶέ *gnu*.
- ἰῆᾶὀ ἁὀᾶᾶᾶὀᾶ, ἰῆ ἰᾶᾶὀ ἁᾶῖ ἁβίαέ ἰᾶᾶὀ ὁῖ ἁὀῖῖῖ ὀὀὀᾶὀᾶὀᾶ ὁῖ FreeBSD, ἁῆῖῖ ὀὀὀᾶᾶᾶὀᾶ ὕδ ἰᾶᾶὀ ὀὀᾶ ὀὀῖᾶὀᾶ ὁῖ Ports (ἑᾶὀᾶᾶᾶ *ports*). ῖ ὀὀὀᾶὀὀῖᾶ δῆῖῖὀᾶ ἁὀᾶ ὁῖ ἁὀᾶᾶᾶὀᾶ ἁᾶῖ Ἰ ÷ ἁῆ ἁᾶὀᾶᾶ ἁδὺ ὀδῖ ἡᾶᾶ ὁῖ FreeBSD. Ἀὀᾶ ὁῖ δᾶᾶᾶ ÷ ὀᾶᾶ ἁδὺ ὁῖ FreeBSD ἁβίαέ ἁὀῖ ῖ ἁὀᾶὀὀὀᾶ ἰᾶ ἁᾶὀὀὀὀᾶῖῖ ἁὀᾶὀ ἰῆ ἁὀᾶᾶᾶὀᾶ (ἰᾶ ἰᾶᾶῖὀᾶ ÷ ἡᾶὀᾶ ἁῆῖῖ ὁῖ ἁὀᾶὀᾶ ῖᾶὀᾶᾶ ᾶ ἰῆῖὀᾶᾶ ὀᾶ Ἰῆὀᾶ ἁῆᾶᾶὀᾶ) ὀᾶ Ἰᾶ ὀὀὀᾶᾶ FreeBSD. ἰὀᾶὀ δῖᾶὀᾶ ἰᾶ ἰᾶὀῖᾶὀᾶ ἰᾶὀᾶᾶὀᾶ δῖᾶῖᾶὀᾶ Ἰ ÷ ἰὀᾶ ἁὀᾶὀᾶ ἰῆ ἁὀᾶᾶᾶὀᾶ ὀδῖ ἡᾶᾶ ὁῖ FreeBSD ὀᾶᾶᾶ ὕὀᾶ ὀὀὀᾶὀᾶ ὕὀῖ ὁῖ δῖᾶῖᾶ ἁὀᾶᾶᾶὀᾶ ἰᾶ ὁὀᾶ FreeBSD. ὀᾶ ἁὀᾶᾶὀᾶ δᾶᾶὀὀᾶ ἁβίαέ ἑᾶῖὀᾶᾶ ἑᾶῖᾶ ἰᾶ ἰᾶὀῖᾶὀᾶ ὁῖ δῖᾶῖᾶ ὀὀᾶ ἁᾶ ÷ ῖῖῖ ὀᾶᾶᾶὀῦᾶ ὁῖ ἁὀᾶᾶᾶὀᾶὀᾶ.

ὀᾶῖὀ, ἁῖᾶᾶὀ ὕὀῖ ῖ ἰᾶὀῖᾶὀ ὁῖ ὀᾶῖᾶὀᾶ ὀᾶᾶᾶ Ἰᾶ δῖᾶῖᾶ ὁῖ ἰᾶᾶᾶ ὀὀᾶ ÷ ἁῆ ἁῖᾶᾶ. ἰᾶᾶῖὀ ὀῖᾶ ἁβίαέ εὐὀᾶ ἁᾶ ÷ ῖὀῖῖῖ ἁῆᾶ Ἰᾶῖ δῖᾶᾶᾶὀὀᾶ ἰᾶ δᾶᾶᾶᾶ ἁῆᾶὀᾶὀᾶ ἁῆᾶ Ἰᾶ δῖᾶῖᾶ ὁῖ ἰᾶᾶ Ἰ ÷ ἁῆ ᾶῖῖῖὀᾶ.

Ἀῖ ὁῖ δῖᾶῖᾶ ὁῖ ἁὀᾶᾶὀᾶὀᾶ ὀᾶᾶᾶ ὁῖ ἁὀῖῖ ὀὀὀᾶ ἑᾶέ ἁᾶῖ Ἰ ÷ ὀᾶ ἁῖᾶᾶᾶὀᾶ ᾶᾶ ἁῆᾶ ὀὀ ὀᾶᾶὀᾶὀᾶ ἁᾶὀᾶὀ ὁῖ FreeBSD, ἁῆᾶᾶὀᾶ ὁῖ ὀᾶᾶ ἁᾶὀᾶὀ ὁῖ FreeBSD (http://www.FreeBSD.org/doc/el_GR.ISO8859-7/books/faq/introduction.html#LATEST-VERSION) ὀὀ Ἰᾶὀᾶ ὀὀ ÷ ἰᾶ Ἀᾶὀᾶὀᾶ ὁῖ FreeBSD. ῖ ἡᾶᾶ ὁῖ FreeBSD ἰᾶᾶᾶ ἰᾶ ὀὀὀᾶᾶ ἰᾶ Ἰᾶ ἰᾶὀῖᾶὀᾶ (ἰῆῖᾶ) ἁῖῖῖ ῖῖᾶὀ ἁὀᾶᾶ ἁὀὀὀὀᾶ ὁῖ FreeBSD. Ἀᾶ ἰᾶᾶᾶ ἰᾶ ἁῖῖῖᾶᾶ δῖᾶῖᾶὀᾶ ἁῆᾶ ἰᾶᾶᾶὀᾶ Ἰῆᾶὀᾶ ὁῖ FreeBSD. ἰὀᾶὀ ἁῖ

[illegible]

Αἱ οἱ ὀηυᾶεῖα διὸ ἀφείλουδῶα ἀοινῦ ὕία θαεῖοι, οὐδᾶ δὴ ὕθαε εἶο' ἀν-βί ἰά ἀίανθρῶα ὁᾶ Ports ὁᾶ ὁῶι
 ὁᾶᾶῶαβᾶ ὕεῖοῖς ὁῶ Ὀῶεῖᾶῶ οὐί Ports εἶε ἰά ᾶᾶῶα αἱ οἱ ὀηυᾶεῖα ὀῶῦ-ᾶε αἰυῖα. Ἰε ᾶοᾶῖᾶῶ διὸ
 θαῖεῦ-ῖῖῶε ὁῶ Ὀῶεῖᾶῶ οὐί Ports ᾶεῦᾶεῖοἱ θῖεῖ ᾶᾶῖᾶ. Ἐυᾶ οἱ ᾶᾶῖᾶῖ ᾶεῖῖ ἰᾶ οἱ ῖῖῖᾶ ἀίανθρῖῖῖᾶ ᾶῖᾶ
 ᾶᾶῶῶῶ ᾶῖῖῖᾶ ᾶᾶ ὁῖ ᾶῖᾶ διὸ FreeBSD ἰᾶ ὀῖῖῖᾶῖᾶ ἰῖῖᾶᾶῖᾶ θαεῖῶᾶ ὕεῖοῖς οὐί Ports. Ἀῶῶ
 ὁῖᾶῖᾶ ῖῶ ὁᾶ ᾶῖᾶᾶᾶ διὸ ὕ-ῖῖ ἰε θαεῖῶ ᾶεῖῶᾶ ἔῶῖεῖ ᾶῖᾶᾶᾶᾶ ᾶᾶ ᾶῖᾶᾶ ἰᾶ ᾶῖᾶῖῖῖῖ.

3. Θñĩãôĩéìáóβά

[illegible]

- [illegible]

Ἄεα οἱ ἀαρόεεῦ οὔοόοία οἶο FreeBSD δὴνὶδαί ἰά ἰαεάοῖοαῶα δὴοἶοαεοέεῦ οέο ἰααῖαδ οἶο δᾶνεὶ ÷ ἄε οἱ ἀν ÷ ἄβι /usr/src/UPDATING οἶο οὔοόοιῦ οάο ῖ αῶδὶδ οἶο δᾶνεὶ ÷ ἄε ε οᾶεᾶοῶαβᾶ Ἰεᾶῖορ οἶο ἀν ÷ ἄβι, ε ἰδῖβᾶ ἄβῖᾶε ἄεᾶ Ἰοέῖ εῶε ἄεᾶῖεδῖορ: <http://www.FreeBSD.org/cgi/cvsweb.cgi/src/UPDATING>. (Ἀῶοῦ οἱ ἀν ÷ ἄβι δᾶνεὶ ÷ ἄε ἐῖοῖεᾶ δεεῖοῖοῖοῖοδ ἄεᾶ ἰᾶᾶῦεῖοεῶ αῶῖ ἰεᾶ Ἰεᾶῖορ οἶο FreeBSD οᾶ εῦδῖεᾶ ῖεεε—ἄεᾶεῖῦ ἄεᾶ οέο ἄεᾶῖοᾶεῶ οἶο FreeBSD-CURRENT).

[illegible]

4. ÑÜöííôáò áíáöíñÝò ðñîâëçìÛôùí

Όπως στο Υ-αόα αδιράοβράε υόε αίβραε ία ανΰωάοα εΰθιέα αράοινΰ θηιαιβιαόι, εάε υόε υίόου αβίαι εΰθιαι θηυαέχια οιό FreeBSD αόου όιό εΰεάοα ία θάνεανΰωάοα, αβίαι θνά ία ανΰωάοα όγι αράοινΰ. Θνεί ιόγγία όά εάδοθΰναιεάό ό-άόεεΰ ία όι θηυαναια όιό -θόόειθιέαβράε αέα ία ανΰοιόαιε εάε ία όόΰεπιόαιε ιε αράοινΰό θηιαιειΰόυθ. αό πγγία ίανέεΰ ευεδά όιό εα όάό αιρεόοιόι ία όόαβεάοα -θόόειαό αράοινΰό.

4.1. Êüëöä äéá íá ãñÛöâö ÷ ñþóéíàò áíáöíñÝò ðñíâëçíÛòùí

- *Ιçí áðÞíáð ãáÞ ðçí áñàíÞ* “Synopsis”. Ìé áíáóííÝð ðñíáçéíÙðúí ððÝéííóðé ðá íéá èßððá çåãåðííééíý ðá÷ ðáññáßíð, ç ðíðßá ðñíùðéáß ðçí áíáóííÙ ðáð ðá áíñþðííðð ðá ùéí ðí èíóíí (ùðíð ðí èáßíáñ ðçð ãñáñíÞð “Synopsis” ÷ ñçðéííðíéáßðáé ùð èÝíá ðíð íçíýíáðíð), áçéÙ éáé ðá íéá áÙðç áááñÝííí. ÌðíéíðáÞðíðá ðñíððáéÞðáé áñáñðáñá íá ááé íéá èßððá íá ðéð áíáóííÝð ðñíáçéíÙðúí ððíñáß íá ááñÞðáé áíðáéÞð ðçí áíáóííÙ ðáð áí ááí Ý÷áé èÝíá. Íá Ý÷áðá éáðá ñíð ðáð ùðé íé áíáóííÝð íÝíííð ðá áððÞ ðç áÙðç íÝ÷ñé èÙðíéíð íá áó÷íççéáß íáæß ðíðð éáé íá ðéð èéáßðáé. Íéá áñþíðéç áíáóííÙ, ÷ññðð éáíÝíá èÝíá, ðíÞðéðð, ÷Ýíáðáé ððí èññðáí.
- *Ìç ÷ ñçðéííðíéáßðá áðáßñéáðððð ðáñéáñáðÝð ððç áñáíÞ* “Synopsis”. Ìçí èáññáßðá ùðé ððíéíðáÞðíðá áéááÙðáé ðçí áíáóííÙ ðáð èá Ý÷áé éáé ðí èáðÙççéçí ððúááèñí áéá íá èáðáéÙááé ðé èÝÓá, ððúðá ùðí ðáñéðóóððáñáð èáðððíÝñáéð ððððáñééÙáððá ðúðí èáçýðáñá áßíáé. Áéá ðáñÙááéáíá, ç áíáóííÙ éáé ðí ðñúáçéíá ðíð ððÝéííðá ðíéí íÝííð ðíð ððððÞíáðúð ðáð áóííÙ; Õí ðñúáçéíá áíðáíßæáðáé ùñí èáðÙ ðç áéÙñéáéá ðçð ááéáðÙððáðçð Þ éáé íáðÙ; Áéá ðáñÙááéáíá, ááßðá ðúðí ðéí èáéÙ áßíáé áí áíðß íá áñÙðáðá Synopsis: portupgrade is broken áßíáðá ðéí ðáñéáñáðééíß Synopsis: port sysutils/portupgrade coredumps on -current. (ÁéáééÙ ððçí ðáñÞððúðç ðúí ports áßíáé ðíçý ÷ñÞðéíí íá ððÙñ÷áé ðúðí ç èáðçáíñá ùðí éáé ðí ùñíá ðíð port ððç áñáñíÞ ðçð ðýíñçð).
- *Áí Ý÷áðá èÙðíéí patch, ðáßðá ðí.* Áßíáé ðíçý ððéí ðééáíí íá áó÷íççéáß èÙðíéíð íá íéá áíáóííÙ ðñíáéÞíáðíð ðíð ðáñééáíáÙíáé éáé èÙðíéí patch áðú ùðé íá èÙðíéá ðíð áðéÙ áíáðÝñáé ðí ðñúáçéíá. Áí ç áíáóííÙ ðáð ðáñééáíáÙíáé èÙðíéí patch ðúðá áßíáé éáéÞ éáÝá íá ðñíðéÝðáðá ðí èáßíáñ [patch] ððçí áñ÷Þ ðçð “Synopsis” ðáð. (ðáññéí ðíð ááí áßíáé ððí÷ñáððééú íá ÷ ñçðéííðíéáßðá áéñéáÞð áððú ðí èáßíáñ, ðíÞðéðð áððú ÷ ñçðéííðíéíý íé ðáñéðóóððáñíé íÝ÷ñé ðÞíáñ.)
- *Áí áßððá áðáßð í ððáýéðíð áéá ðç ððíðÞñçðç èÙðíéíð íÝííðð ðíð èÞáééá, ðáßðá ðí.* Áí áßíáé áçéÞ ðáð áðéýíç ç ððíðÞñçðç èÙðíéíð íÝííðð ðíð èÞáééá ðíð FreeBSD (áéá ðáñÙááéáíá áßððá í MAINTAINER èÙðíéíð port), ááí áßíáé Ùð÷çð éáÝá íá ðñíðéÝðáðá ðí èáßíáñ [maintainer update] ððçí áñ÷Þ ðçð “Synopsis” ðáð. ÌðúðáÞðíðá ùíðð íá èðéçéáßðá íá èÝðáðá ðçí ðéíÞ ðíð “Class” ðçð áíáóííÙð ðáð ðá maintainer-update. ððé ùðíéí íÝéíð ðçð ñÙáð áíÙðððçð áó÷íççéáß íá ðçí áíáóííÙ ðáð áá èá ÷ ñáéÙæáðáé íá áéÝáíáé áí ùíððð áðáßð áßððá í maintainer.
- *Íá áßððá áéñéáðßð & ððáðéðñéíÝíé.* ¼ðí ðáñéðóóððáñáð ðççñíðíñáð áñÙðáðá ð÷áðééÙ íá ðí ðñúáçéíá ðíð áíðéíáðððæáðá, ðúðí áðíÙííðáé íé ðééáííðçðáð íá ðÙñáðá íéá ÷ñÞðéíç éáé ðúððÞ áðÙíðççç.
- ÕíððáñééÙáððá ðçí Ýéáíðç ðíð FreeBSD ðíð ÷ ñçðéííðíéáßðá (ðáñáéÙðúð èá äýíá ðúð ððÙñ÷áé ððáéáèñéíÝíí íÝííð ðíð ððíñáßðá íá ðí áñÙðáðá áððú) éáé ðíéáð áñ÷éðáèííééÞð áßíáé ðí íç÷ÙíçíÙ ðáð. Áßíáé èáéáßðáñá

÷ ñΠόεῖῖ ἰά ᾶñṼφᾶᾶ ἰά ὦñÝ÷ᾶᾶ εṼḐῖᾶ ᾶḐβόçῖ Ṽᾶῖᾶ (ð.÷. ᾶḐṼ Ṽἰᾶ CDROM Π εṼḐῖᾶ Ḑῖᾶ ᾶᾶᾶṼᾶᾶ ᾶḐṼ ὁῖ ᾶḐḑḑῖ) Π ἰᾶ ὁῖ ὀγᾶḑῖᾶ ᾶᾶ ὁῖ ᾶῖçἰᾶñḑἰᾶᾶ ἰᾶ ὁῖ cvs(1) (ᾶᾶ ἰᾶᾶ, ḐṼᾶῖ ḐñṼᾶᾶ ὁῖ ᾶῖçἰᾶñḑᾶᾶ). Ἀἰ ÷ ñçᾶῖῖḐῖᾶᾶ ὁῖ FreeBSD-CURRENT, ᾶḑḑṼ ᾶḐἰᾶ ᾶᾶ ὁῖ Ḑñḑᾶῖ ḐñṼᾶἰ Ḑῖᾶ ᾶᾶ ḑḑḑᾶᾶ εṼḐῖᾶ, ᾶḐᾶᾶΠ ἰᾶ ᾶᾶᾶṼᾶ ᾶᾶ ἰᾶ ᾶῖḑḑᾶᾶ (ᾶᾶᾶṼ ᾶᾶ ὁᾶ ὀçἰᾶῖᾶṼ Ḑñᾶᾶᾶᾶ) ᾶḐῖᾶᾶ, ᾶᾶᾶṼ, Ḑῖᾶ ᾶñḑᾶἰᾶ ᾶᾶ ὁḑ÷ἰṼ. Ἰᾶ ÷ ñΠᾶᾶ ὁῖ FreeBSD-CURRENT ḐñÝḐᾶ ἰᾶ ὁᾶᾶ Ḑᾶᾶᾶῖῖᾶῖᾶ ἰᾶ Ḑñῖᾶ÷Π ᾶᾶ ἰᾶ ᾶῖçἰᾶñḑᾶῖ ὁḑ÷ἰṼ ὁῖ ὀγᾶḑῖᾶ ὁῖᾶ.

- ὈḑḑᾶᾶṼᾶᾶ ᾶᾶ ὁᾶᾶ ḑḑḑᾶᾶᾶ Ḑῖᾶ ḐᾶᾶÝ÷ᾶᾶ ὁῖ ᾶñ÷ᾶḑἰ make.conf ὁῖ ὀγᾶḑῖᾶ ᾶᾶ. Ὀçἰᾶᾶᾶ ḐṼᾶ ç ÷ ñΠᾶç ὁçᾶ ᾶḐᾶῖᾶΠᾶ -O2 ὁῖ gcc(1) ᾶḐἰᾶ ᾶṼᾶᾶΠ ḐçᾶΠ ḐñᾶᾶṼᾶᾶ. ḐᾶñṼῖ Ḑῖᾶ ç ñṼᾶᾶ ᾶṼḐḑῖᾶ ὁῖ FreeBSD ᾶᾶ ᾶᾶ 'ᾶᾶᾶ ṽ÷ᾶ ὁᾶ patches Ḑῖᾶ ἰᾶ ᾶῖḑḑᾶῖᾶ ᾶḑḑṼ ὁᾶ Ḑñᾶᾶᾶᾶ ᾶḐἰᾶ ᾶᾶᾶṼ ᾶḐñṼᾶᾶ ὁῖ ἰᾶ ᾶἰᾶᾶḑṼ ὁᾶ ᾶᾶḐᾶ ὀÝῖᾶῖ ḐñᾶᾶṼᾶᾶ ᾶḐᾶᾶΠ ᾶᾶ Ṽ÷ᾶ ὁῖ ÷ ñṼῖ Π ὁῖ ᾶῖḑḑᾶῖ ᾶḑἰᾶᾶ ἰᾶ ὁῖ εṼᾶᾶ. Ἀἰ ὁᾶ Ḑñᾶᾶᾶᾶ ὁᾶ ἰᾶḐᾶῖᾶᾶ ὁᾶ ᾶḑḑṼ ὁῖ ḐñṼᾶᾶᾶ ὁῖ optimizations ἰḐῖᾶḐ ἰᾶ ὁᾶ ᾶḐἰᾶᾶᾶᾶ ṽᾶᾶ ᾶᾶ ὁḐῖᾶḑḑᾶᾶᾶ ᾶḑḑṼ ἰ ḐñṼḐῖ ÷ ñΠᾶç ὁῖ FreeBSD.
- Ἀἰ ὁῖ ḐñṼᾶᾶᾶ ὁᾶ ᾶḑῖᾶ ὁῖ Ḑḑḑᾶᾶ, ὁṽᾶ ἰᾶ ᾶḐᾶᾶ ḐñᾶᾶῖᾶᾶṼῖ ἰᾶ ᾶḑᾶᾶ ᾶᾶ ὁᾶ ᾶᾶ Ṽῖḑᾶ Ḑḑḑᾶᾶᾶ. (Ἀἰ ᾶḐἰᾶ ᾶṼᾶᾶ ἰᾶ ὁᾶ ὁḑḑᾶᾶᾶ Ṽᾶᾶ Ṽᾶᾶ ᾶᾶ ᾶᾶᾶᾶ, ᾶḑῖ ὁῖ ἰṽῖ Ḑῖᾶ ᾶᾶ ᾶᾶᾶṼᾶᾶ ᾶḐἰᾶ ἰᾶ ᾶḑᾶᾶᾶ ÷ ññḑᾶ ἰᾶ ÷ ññ Ḑῖᾶ ᾶḐᾶᾶᾶ ç ᾶṼᾶ ḐñᾶᾶṼᾶᾶ ὁῖ ᾶḐῖᾶ, ᾶᾶṼ ᾶᾶ ᾶḐἰᾶ ᾶᾶΠ ᾶᾶ ἰᾶ ὁḑḑᾶᾶᾶ ἰṽῖ ὁᾶ ἰÝḑᾶ Ḑῖᾶ ᾶṽñᾶḐᾶ ὁ÷ᾶᾶṼ):
 - ὁᾶᾶ ḑḑḑᾶᾶᾶ ὁῖ Ḑḑḑᾶᾶ ὁᾶ (ᾶᾶ ḐῖᾶṼ ὁḑᾶᾶṼ Ṽ÷ᾶᾶ ᾶᾶᾶᾶᾶᾶṼᾶ ὁῖ ἰç÷ᾶ ṼῖçἰṼ ὁᾶ)
 - ἰᾶ Ṽ÷ᾶᾶ ᾶḑᾶᾶᾶṼᾶᾶ ᾶḐᾶᾶṼᾶ debugging ὁḑῖ Ḑḑḑᾶᾶ ὁᾶ (ṽḐṽᾶ ð.÷. ὁçἰ ᾶḐᾶᾶΠ WITNESS) ᾶᾶ ἰᾶ ᾶᾶ ὁῖ ḐñṼᾶᾶᾶ ὁῖᾶ÷ᾶᾶ ἰᾶ ὁḐṼñ÷ᾶ ᾶᾶᾶᾶᾶ ᾶḑṼᾶ ὁᾶ ᾶḐᾶᾶṼᾶ
 - Ṽἰᾶ backtrace, ἰᾶ ἰḐῖᾶṼᾶᾶ ἰᾶ ᾶᾶᾶñṼᾶᾶ εṼḐῖᾶ
 - ἰᾶ Ṽ÷ᾶᾶ ᾶᾶᾶṼᾶᾶ ḐñᾶᾶᾶᾶṼ ὁῖ ᾶñ÷ᾶḑἰ src/UPDATING ᾶᾶ ὁῖ ḐñṼᾶᾶᾶ ὁᾶ ᾶἰᾶṼᾶᾶ Π ṽ÷ᾶ ὁᾶ ᾶḑḑṼ (ᾶḐἰᾶ ὁḐᾶḑᾶ ṽᾶ εṼḐῖᾶ ᾶᾶ ὁᾶ ḑḑḑᾶᾶ ᾶᾶ ᾶḑḑṼ)
 - ἰᾶ ἰḐῖᾶḐᾶ ἰᾶ ḐñÝᾶᾶ εṼḐῖᾶ Ṽᾶῖ Ḑḑḑᾶᾶ ὁᾶ ḐñṼᾶᾶᾶ ἰᾶ ὁᾶ Ḑᾶᾶᾶ, ṽḐṽᾶ ᾶḐῖᾶ Ḑῖᾶ Ṽñ÷ᾶᾶ ἰᾶ ÷ ᾶᾶṼᾶ Π ᾶḐᾶᾶᾶᾶṼ Ḑῖᾶ ḐḐᾶᾶᾶᾶᾶᾶᾶ, Ḑῖᾶ ἰḐῖᾶḐ ἰᾶ ὁᾶ ἰḐᾶᾶṼᾶᾶ ἰᾶ ἰḑᾶᾶᾶ ṽᾶ Ṽ÷ᾶᾶ ḐñṼᾶᾶᾶ ἰ Ḑḑḑᾶᾶ)
- Ἀἰ Ṽ÷ᾶᾶ ḐñṼᾶᾶᾶ ἰᾶ εṼḐῖᾶ port, ὁṽᾶ ἰᾶ Ṽ÷ᾶᾶ ᾶᾶṼᾶᾶ ὁᾶ ᾶᾶ Ḑḑḑᾶᾶᾶ. (Ἀἰ ᾶḐἰᾶ ᾶṼᾶᾶ ἰᾶ ὁᾶ ὁḑḑᾶᾶᾶ Ṽᾶᾶ ᾶᾶ ᾶᾶᾶᾶ, ᾶᾶṼ ᾶᾶ ᾶḐἰᾶ ᾶᾶΠ ᾶᾶ ἰᾶ ὁḑḑᾶᾶᾶ ἰṽῖ ὁᾶ ἰÝḑᾶ Ḑῖᾶ ᾶṽñᾶḐᾶ ὁ÷ᾶᾶṼ):
 - Ḑῖᾶ ports Ṽ÷ᾶᾶ ᾶᾶᾶᾶᾶᾶᾶ
 - ἰᾶᾶᾶᾶᾶṼ ὁῖ ḐᾶᾶᾶṼᾶᾶᾶ Ḑῖᾶ ἰḐῖᾶḐ ἰᾶ ᾶḐḑᾶᾶṼᾶᾶ ὁᾶ ḐñᾶᾶῖᾶᾶṼᾶ Ḑῖᾶ ḑḑḑᾶᾶᾶ ὁῖ ὁḑḑᾶᾶᾶ ὁῖ ᾶñ÷ᾶḑἰ bsd.port.mk, ṽḐṽᾶ ð.÷. ç ἰᾶᾶᾶᾶᾶᾶ ḐᾶᾶᾶṼᾶᾶ PORTSDIR
 - ἰᾶ Ṽ÷ᾶᾶ ᾶᾶᾶṼᾶᾶ ὁῖ ᾶñ÷ᾶḑἰ ports/UPDATING ᾶᾶ ὁῖ ḐñṼᾶᾶᾶ ὁᾶ ᾶἰᾶṼᾶᾶ Π ṽ÷ᾶ ὁᾶ ᾶḑḑṼ (ᾶḐἰᾶ ὁḐᾶḑᾶ ṽᾶ εṼḐῖᾶ ᾶᾶ ὁᾶ ḑḑḑᾶᾶ ᾶᾶ ᾶḑḑṼ)

- Ἀḑῖᾶᾶᾶ ὁᾶ ᾶᾶᾶᾶ ᾶḑᾶᾶᾶ ᾶᾶ ἰÝᾶ ÷ ᾶᾶᾶᾶᾶᾶᾶṼ. Ἰᾶ ἰᾶᾶᾶṼ ὁçᾶ ἰñḑᾶ “ὁᾶ” ᾶᾶᾶᾶ, εṼḐῖᾶ ḐñÝᾶᾶ ἰᾶ ὁῖḐῖᾶᾶ εṼᾶᾶ Ḑῖᾶ ἰᾶ εṼᾶᾶ ὁῖ ὁṼᾶ Π ὁῖ ᾶḐἰᾶ” ᾶᾶ ᾶḐἰᾶ Ḑῖᾶ ὁḐᾶḑᾶ ṽᾶ ᾶᾶ ὀý÷ῖᾶ ᾶᾶᾶᾶᾶ ᾶḑᾶ ὁᾶ ἰᾶᾶᾶṼ Ḑῖᾶ ḐᾶᾶᾶṼᾶᾶ ὁᾶᾶᾶᾶṼᾶ ᾶᾶᾶṼ. Ἰᾶ ὁῖᾶᾶ ṽᾶ ἰ ᾶᾶᾶᾶ ᾶḐἰᾶ ᾶᾶṼᾶᾶ ὁᾶ ṽᾶᾶᾶ, ἰḐṽᾶ ἰᾶ Ṽᾶᾶ εṼḐῖᾶ ἰÝἰ ÷ ᾶᾶᾶᾶᾶᾶᾶᾶ ἰ ᾶᾶᾶᾶᾶ ḐñṼḐῖ ἰᾶ ὁῖ ᾶḐᾶ ἰᾶ ὁῖḐῖᾶᾶᾶ ὁᾶ ἰÝḑᾶ ὁῖ FreeBSD ᾶḐἰᾶ ἰᾶ ὁᾶṼᾶᾶ ᾶᾶᾶ. ḐῖᾶṼ ὁῖᾶṼ ἰṼᾶᾶᾶ ᾶḐἰᾶ Ḑñᾶᾶᾶᾶ ἰᾶ ḑḑḑᾶᾶ ὁçἰ freebsd-questions ḐᾶṼ ἰᾶ ᾶḑῖᾶᾶᾶᾶ ἰᾶ ᾶᾶᾶᾶᾶ ὁç ᾶṼᾶ ἰᾶᾶᾶᾶ ḐñᾶᾶṼᾶᾶ.

- [illegible]

4.2. Ðñéí áñ÷βóåôå

Αί ÷ η̇ς̇ ο̇εί̇ι̇θ̇ι̇ε̇α̇β̇ο̇ά̇ ο̇ι̇ δ̇η̇υ̇α̇ν̇α̇ι̇ι̇ά̇ send-pr(1), ο̇έ̇α̇ι̇ρ̇η̇α̇δ̇ο̇ά̇β̇ο̇ά̇ υ̇ο̇έ̇ ς̇ ι̇α̇δ̇α̇ά̇ε̇ς̇ο̇β̇ δ̇α̇ν̇ε̇α̇Υ̇ε̇ε̇ι̇ρ̇ο̇ VISUAL (P ς̇ ι̇α̇δ̇α̇ά̇ε̇ς̇ο̇β̇ δ̇α̇ν̇ε̇α̇Υ̇ε̇ε̇ι̇ρ̇ο̇ EDITOR α̇ι̇ α̇α̇ι̇ α̇β̇ι̇ά̇ε̇ ι̇ν̇ε̇ο̇ι̇Υ̇ι̇c c VISUAL) Υ̇ ÷̇ α̇έ̇ ε̇Υ̇θ̇ι̇ε̇ ε̇γ̇α̇έ̇ς̇ ο̇εί̇P.

[illegible]

Óεαρονάοοάβoά uοέ οi δñυάñáíá áεεεεεαñάoβáο οi ιδiβι ÷ñεοέιιδiεάβoά ááí εά áεεÚíáε ιýoά οi δáñεá÷uáñι ιýoά οε ιññoP οiο εάεiÝñiο δiο óóÝεíáοá δñέi áoδu οóÚoáε oóι óýoóçíá GNATS οiο FreeBSD. Δέi óóáεáñεñéÝíá, áí οi δñυάñáíá áεεεεεαñάoβáο óáο áδiíóáβæáε áδoúuáóá áεá οi ιβεri εÚεá áñáñiPο εáεiÝñiο, áεεÚæáε οiοδ ÷áñáεoPñáο óóεiεéÝoε íá εáñiP P áδáíááβíáε oóιοδ ÷áñáεoPñáο áεεááPο áñáñiPο, οúoá εÚεá patch δiο óóÝεíáοá ιδiñáβ íá áβíáε áíoáεpο Ú÷ñεoóι. Áδu οçí Úεεε, óóá δááβá oεο áíáoñÚo δñíáεPíáoíο óá ιδiβá δáñéÝ÷iοi áδεu εáβíáñι áβíáε δéi áíεééu íá Ý÷áε δáñβδiο 70 óoPεáο ç εÚεá áñáñiP. óóé áεááÚæáoáε δéi áýéíεá οi εáβíáñι oεο áíáoñÚo ιÝóá áδu οi web interface íáδ.

Δάνυιρέα θήνιόι÷ ÷ ÷ ñáεÛæáoáε έάε υόái, áíðß áεά ðí ãñááεáßí send-pr(1), ÷ ñçóεíθíεάßðá ðç öüñíá ððíáíεßð
 áíáóíñíß ðíò Ý ÷ áε ç έóóíóáεßáά íáo. Ç áíóεãñáoß έάε áðέέúεέçόç έáεíÝñíò íðñíáß íá áðçñáÛóáε ðç ïíñóíðíßçόç ðíò
 έáεíÝñíò. Óá ïáñέεÝð ðáñέððóáέð íðñíáß íá ÷ ñáεάóóáß áευíá έάε ðí ãñááεáßí uuencode(1) áεά íá áßóóá ðßáíñíε
 υόε Ýíá patch ððÛíáε υò àíÛð ÷ ùñßð áεέάÝð.

[illegible]

êÛðíêí ìç÷Ûíçíá òí ìðíßí ìðíñáß íá óðáßêáé email áêêÛ ááí ìðíñáß íá êÛááé, ðíð êá ðñÝðáé íá ðñíóÝíáðá ìé áñáííÝð
From: êáé Reply-To: íá Ý÷íðí òçí ðñáííáðóêêÛ óáð email áéáýðòíðç. Ìðíñáßðá òðóêêá íá óðáßêáðá óðíí ááðòò óáð ð
êÛðíêí Ûêêí Ýíá áíðßáñáðí òçð áíáöïíÛð ðñíäêçìáðíð ðñíóêÝðíðíðáð òêð êáðÛêêçáð Cc: áñáííÝð.

ÌáðÛ êá ááßðá ìéá óáénÛ áðù ðááßá ìéáð áñáííðð:

- **Submitter-Id:** Ìçí òí áêêÛíáðá áðòò. Ç ðñíäêçìêíóçíÝíç òêíð òíð, current-users, áßíáé òòóðð áêùíá êé áí ÷ñçóêíððíêáßðá òí FreeBSD-STABLE.
- **Originator:** Áðòò òí ðááßí áßíáé ááííêêÛ ðñíóðíðêçñííÝíí ìá òí ùíñá ðíð ðñÝ÷íðòð ÷ñðóðç. Áí áðòò ááí áßíáé òòóðð, ðáñáêáêð òðíðêçñðóðá òçí òêíð áðòíý òíð ðááßíð ìá òí ðñáííáðóêêù óáð ùíñá êáé ðñíáêñáðóêêÛ òçí email áéáýðòíðð óáð ÌÝóá óá <êáé >.
- **Organization:** Áðòò òí ðááßí ááí ÷ñçóêíððíêáßðáé áéá òððíðá óçíáíðêêù.
- **Confidential:** Áðòò òí ðááßí áßíáé ðñíóðíðêçñííÝíí ìá no. Ááí Ý÷áé íüçíá íá òí áêêÛíáðá óá êÛðé Ûêêí, áòíý ááí òðÛñ÷íðí áíðêóðáððóêêÝð áíáöïíÝð ðñíäêçìÛòùí óðí FreeBSD—ç òðêêíáð òùí ðñíäêçìÛòùí áßíáé áñé÷ðð êáé áéáêÝóêíç ÌÝóò **CVSup** áéá ùêí òíí êùóíí.
- **Synopsis:** Óðíðêçñðóðá áðòò ìá ìéá óýíðñç êáé áêñéáð ðáñêáñáðð òíð ðñíäêçìáðíð. Ç synopsis ÷ñçóêíððíêáßðáé óáí òí êÝíá óá email óá ò÷áðêêÛ ìá òçí áíáöïíÛ, êáêð êáé óá êßóðáð áíáöïíðí êáé ðáñêéððáêð. Ìé áíáöïíÝð ðñíäêçìáðíð ìá ðáñêáñáð ðáñêáñáðð òðí ðááßí áðòò óðíðêêù ááííýíðáé.
¼ðò ìáßðáíá ðáñáðÛí, áí ç áíáöïíÛ óáð ðáñêéáíáÛíáé êÛðíêí patch êáêù áßíáé íá íáêêíðóáðá òçí áñáííð òçð óýíðçð ìá òí êáßíáí [patch]. Áí ðÛêé áßóðá ì òðáýêðíð (maintainer) áéá êÛðíêí ÌÝííð òíð êðáêêá, êáêù áßíáé íá ðñíóêÝóáðá òðç óýíðç òí êáßíáí [maintainer update] êáé íá êÝóáðá òçí òêíð òçð áðêêáðáêáðáð “Class” óá maintainer-update.
- **Severity:** Ìðíñáß íá ðÛíáé òêíð non-critical, serious ð critical. Ìçí áíðêáñÛðá òðáñáíêêêÛ. Áðíðýááðá íá ÷áñáêçñßáðá òêð áíáöïíÝð óáð critical áêòò êé áí áßíáé ùíðò ìááÛêçð óçíáóßáð (ð.÷. root exploit, êÛðíêí panic ðíð ìðíñáß íá áíáðáñá÷êáß áýêíêá) ð serious áêòò êé áí áßíáé êÛðé ðíð áöííÛ ðíêêíýð ÷ñðóðáð (ðñíäêçìáðá ìá óðáêêñêíÝííð ìáçáíýð òðóêáððí ð áñááêáßá òíð òðóððíáðíð). Ááí áßíáé áðáñáßðçðí ðò ìé ðñíáñáííáðóêêÝð òíð FreeBSD êá áó÷íêçíýí ðéí ìññð ìá òí ðñíäêçìÛ óáð áí òðáñáÛêêáðá áéá òçí óçíáóßá òíð áðáêáð òðÛñ÷íð áê ðíêýð êùóííð ðíð òí êÛíáé áðòò—ìÛêêóðá, òðÛñ÷íðí ðñíáñáííáðóêêÝð ðíð ááííýí áíðáêðð áðòò òí ðááßí êáé òí áðùíáí, áêñéáðð áðáêáð áðòíß ðíð óðÝêñíðí òêð áíáöïíÝð Ý÷íðí òçí òÛðç íá òðáñáêêêíýí óá ðñíäêçìáðÛ òíðð.
- **Priority:** Ìðíñáß íá ðÛíáé òêíð low, medium ð high. Ðñíðáñáêùðçá high ðñÝðáé íá áßíáðáé ìñí óá áíáöïíÝð ðñíäêçìÛòùí óá ìðíßá áðçñáÛæíðí ðñáêêêêÛ ùêíð òíðð ÷ñðóðáð òíð FreeBSD êáé medium óá ðñíäêçìáðá ðíð áöííýí Ýíá ìááÛêí áñêêù ÷ñçóððí.
- **Category:** ÁðêêÝíðá ìéá áðù òêð áêùêíðêáð êáðçáíñßáð (áðù òí áñ÷áßí <http://www.FreeBSD.org/cgi/cvsweb.cgi/src/gnu/usr.bin/send-pr/categories>):
 - advocacy: áíáöïíÝð ò÷áðêêÝð ìá òçí áçíóúéá áêêííá òíð FreeBSD. ×ñçóêíððíêáßðáé òðÛíéá.
 - alpha: áíáöïíÝð ò÷áðêêÝð ìá òçí ðéáðòùíñá Alpha platform.
 - amd64: áíáöïíÝð ò÷áðêêÛ ìá ðñíäêçìáðá òçð ðéáðòùíñáð AMD64.
 - bin: áíáöïíÝð ò÷áðêêÝð ìá ðñíáñÛíáðá òðí ááóêêù óýóðçíá.
 - conf: áíáöïíÝð ò÷áðêêÝð ìá áñ÷áßá ñðêíßóáí, ðñíäêçìêíóçíÝíáð òêíÝð, êêð.
 - docs: áíáöïíÝð ò÷áðêêÝð ìá òêð manual pages ð ááíêêÛ òçí òáêíçñßòç.
 - gnu: áíáöïíÝð ò÷áðêêÝð ìá ðñíáñÛíáðá GNU, ùðò ð.÷. gcc(1) ð grep(1).

- [illegible]

ÔÝèìò, òðÛñ÷:áé íéá óáénÛ áðù ðááßá ìà ðáñéóóúòáñàò áðù íéá ãñàìÝò òì éáéÝía:

- [illegible]

- [illegible]

4.5. ÓôÝěĩíôáò ôçí áíáöĩñÛ

[illegible]

```
% send-pr -f ~/my-problem-report
```

[illegible]

5. Αἰτίολογία

Ινέεδ γ αράοινŪ óáo εáoð÷÷úñçεáß, εá ðŪŪáoðá ιέα áðŪíρóççγ ιŸóú email ðíò εá ðáñέεαíáŪíáε ðíí áñέεíú ðíò Ÿ÷÷áε ð÷÷áoεóóáß ιá ðçí αράοινŪ óáo εάέ ιέα áεáγέοíρç URL υðíò ιðíñáßðá ιá áεάáŪóáoðá ðçí αράοινŪ εάέ ðçí εáoŪóóáoð ōçð. Ιá εßáç ðγ÷ç, εŪŪίεíð εá áíεάóáñεáß áεά ðçí αράοινŪ óáo εάέ εá ðñíóðáεßóáε ιá εýóáε ðí ðñυάεçía Þ ðíρεŪ÷÷έóðí, áŪŪεíáá ιá ðçí ðáñÞððóυç, ιá óáo áιçáßóáε áεáoß ááí áßíáε ðñυάεçía. Έá áεáíðίεßóóá áóðυíáoá áεά εŪεá áεεάáß óðçí εáoŪóóáoç çðð αράοινŪð, εάέ εá ðáßñíáoá áíóßáñáoá ιŸóú áεεçεíáñáoßáo ιá ιðίεάáßðíðá ó÷÷εέá Þ patches óóŸεíáε εŪŪίεíð óáí áðŪíρóççγ óðçí αράοινŪ óáo.

Αί ἐϋδιερό οάο æçðρoάέ ἀδέδεΎίι ðεçñĩoĩñßào Þ òìçèàßòà èÛòé Þ áíáέáýøðòà èÛòé ðĩò àáĩ Ý÷-òòà áíáoΎñáé óóçĩ
 àñ÷-éèÞ οάο áíáoĩñÛ, òuòà ÷ñçóéĩñðĩéÞóòà Ýíáĩ áðu òĩòò áέuèĩðèĩòò òñuðĩòò áéá íá óòàßèòà òòĩðεçñuĩáoééΎò
 ðεçñĩoĩñßào:

- Ἰ δὲι ἀγέρετὸ ὀνυθτὸ ἀβρίαῖ ἰά ἀεῖρετὸεβόαδᾶ οἱ ὀγίααῶνι ὀογί ὀάεβᾶά ὀογὸ ἀάῶνιῦδ, ὀγί ἰδῖβᾶ ἰδῖνᾶβᾶ ἰά ἀᾶβᾶὀ ἄθῦ ὀγ ὀάεβᾶά ἀάᾶεβᾶὀγὀγδὸ ὀνι ἀάῶνιᾶ (http://www.FreeBSD.org/cgi/query-pr-summary.cgi?query). Ἀί ἀεῖρετὸεβόαδᾶ οἱ ὀγίααῶνι ὀῖο ὀ ÷ ἄε ὀοῖ εῦδῦ ἰὃντὸ γ ὀάεβᾶά εᾶ ἀνῖβᾶε ὀῖ ὀνῦᾶᾶἰᾶ ἀεῖεῖᾶᾶὀβᾶὀ ὀᾶὀ ἰᾶ ὀῖ ὀῦὀὀῦ ἄδῖὀὀῖ ὀᾶ ἄε ὀῖ ὀῦὀὀῦ εὃῖᾶ (ἀᾶᾶβ ἰ ὀὀῖᾶᾶᾶὀβᾶὀ ὀᾶὀ ὀδῖὀὀᾶᾶε ὀγί ἄεὀᾶὀ ἄῦὀᾶᾶᾶᾶ ὀᾶᾶᾶᾶᾶ ὀᾶᾶᾶᾶᾶᾶᾶᾶ).
- Ἀάᾶᾶᾶᾶᾶᾶ ἰδῖνᾶβᾶ ἰά ὀᾶᾶᾶᾶὀ ἄδῦ ὀᾶ ἰβῖὀᾶ ὀγ ἄᾶᾶᾶὀγ <bug-followup@FreeBSD.org>, ὀᾶὀ ὀ ÷ ἰᾶὀδ ἰά ἄῦᾶὀ ὀῖ ὀῦὀὀῦ ἄᾶᾶᾶᾶ ἰᾶῶνιῦδ ὀοῖ εὃῖᾶ ὀὀὀ ἰᾶὀ ἰᾶ ὀῖ ἄᾶᾶ ὀῖ ὀᾶὀὀᾶ ὀᾶᾶᾶᾶᾶὀγὀγδὸ ἰᾶῶνιᾶ ὀῖο FreeBSD ἄε ἰά ἰὃᾶᾶ ὀᾶ ὀῖῦ ἰᾶῶνιῦ ὀᾶὀᾶ ἰά ἄὀὀὀᾶὀ ὀᾶὀ ὀῖὀὀὀ ὀᾶὀ.

[illegible]

ĒŪēīò ôñŭđīò:

Subject: that PR I sent

ÓùóóÛð ðñüðïð:

Subject: Re: ports/12345: compilation problem with foo/bar

Áí ç áíáöïñÛ ðñüäçìÛôüí ðáñáíÝíáέ óðçí έáðÛóðάόç “open” ðáñüëí ðïð ôí ðñüäçìá Ý÷áέ óðáíáððόάέ íá áìóáíßæáðάέ ðēÝíí, áðēðð óðáßēðá íέα áðÛíðçόç óðçí áíáöïñÛ (íá ôíí ðñüðí ðïð áíáðÝñáíá ðáñáðÛí), áíçāííóáð ðüð ð ðüðá áέíñēðēçēá ôí ðñüäçìá.

6. ÁíáöïñÝð

ÐáñáέÛðü èá áñáßðá èÛðíέáð ðçāÝð ðïð áßíáέ ó÷áðέέÝð íá ôí èÝíá ðüí áíáöïñí ðñüäçìáðüð. Äáí áßíáέ íέα ðēðñçð ð áðáñēðð èßóðá, öðóέέÛ.

- How to Report Bugs Effectively (<http://www.chiark.greenend.org.uk/~sgtatham/bugs.html>)—íέα ðíēý έáēð Ýέέáόç áðü ôíí Simon G. Tatham ðïð ðáñέññÛðάέ ðüð íðñáßðá íá ãñÛðáðá ÷ñðóέíáð áíáöïñÝð ðñüäçìáðüí (ü÷έ ïüíí áέα ôí FreeBSD).
- Problem Report Handling Guidelines (http://www.FreeBSD.org/doc/el_GR.ISO8859-7/articles/pr-guidelines/article.html)—÷ñðóέíáð ðēçññíñßáð áέα ôíí ðñüðí íá ôíí íðíßí ÷áénßæáðάέ óέð áíáöïñÝð ðñüäçìáðüí ç ãÛáá áíÛððçìçð ðïð FreeBSD