

ÃêáôÜóôáóç êáé ÷ñÞóç ôïð Compiz Fusion

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\$FreeBSD: release/8.4.0/el_GR.ISO8859-7/articles/compiz-fusion/article.xml 41152
2013-03-10 13:59:53Z keramida \$

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Ôï FreeBSD áβíáé Ýía éáöï÷ ðñùíÝíí àìðñéêêÜ óýíáíêï ðïð FreeBSD Foundation.
ÐñéêÝò áðü ðéð èÝíáéð Þ ðñÜóáéð íé ðñíßáð ÷ ñçóéíððñéýíóáé áðü ðïðð éáðáóéáðóðÝò Þ ðïðð
ðñéçðÝò ðïðð áéá íá áéáêñßíïí óá ðñíüüíóá ðïðð éáññíýíóáé àìðñéêêÜ óýíáíêá. ¼ðïð áððÝò
àìðáíßæííóáé óá áððü ðí éáßíáíí éáé áéá üóáð áðü áððÝò áíüñßæáé ç ìÜáá ÁíÜðððíçò ðïð FreeBSD üðé
áβíáé ðééáííí íá áβíáé àìðñéêêÜ óýíáíêá, éá ááßðá Ýía áðü óá óýíáíêá: “TM” Þ “®”.

Ç ðéí ðñüóðáðç “íüáá” óðñí êñóíí ðïð Linux® áβíáé áíáíðßáíêá óá ðñéóáéÜóðáðá áðÝ óðí desktop. Áí éáé ç
÷ ñçóéíüðçðá ðïðð Ý÷ áé áìðéóáçðçðáß, ááí ðáyíïí íá áíðððñéêêÜæíïí éáé íá ðáñáíÝííïí óðíÝ÷ áéá óðç
äçñíóéüðçðá. Óá áðÝ áððÜ ðéíðñéýíóáé íá ðç áíðéáéá æÜïññíí ðñíáñáííÜðñí üððð óá **Compiz**
(<http://compiz.org/>), **Beryl** (<http://www.beryl-project.org/>), éáé ðí ðéí ðñüóðáðí **Compiz Fusion**
(<http://www.compiz-fusion.org/>). Ááí ÷ ñáéÜæáðáé íá óðáñáßððá áððÜ óá áðÝ üðáí ÷ ñçóéíððñéáßðá ðí
FreeBSD. Íé íäçáßáð ðïð áéññíðéýí éá óáð áíçèÞóíïí íá áéáðáððÞóáðá éáé íá ñðéíßðáðá óðí óýóðçíá óáð óá
ðñíáñÜíáðá ðïð áðáéðñéýíóáé áéá íá Ý÷ áðá óá ðéÝíí ðñüóðáðá ðñéóáéÜóðáðá áðÝ ðïð ðñíóðÝñáé ðí
Compiz Fusion ÷ ñçóéíððñéýíóáð (áí ÷ ñáéÜæáðáé) éáé ðçí éáðÜéçççç Ýéäíóç ðñí ðñíáñáííÜðñí íäÞäçðçð
áñáðéêþí ðçð nVidia.

1 ÄéóáãüñÞ

Η áéáðÜóðáðç ðïð **Compiz Fusion** áðü ðçí óðéñíäÞ ðñí Ports, áβíáé íéá ó÷ áðéêêÜ áðèÞ æéáæééáðá. × ñáéÜæííóáé,
üüðð, éáé èÜðñéáð áðéðéÝíí ñðéíßðáéð, íé ðñíßáð ááí ðáñéáñÜïñíóáé óðçí ðáéíçñßóç ðïð port. Ôï Üñèñíí áððü éá óáð
áíçèÞóáé íá ñðéíßðáðá ðñí **Xorg** server áéá ðñéóáéÜóðáðç èáéðñíáßá, íá ñðéíßðáðá ðçí nVidia èÜñðá áñáðéêþí óáð,
éáé ðáéêêÜ íá áéáðáððÞóáðá éáé íá æéðáéÝóáðá ðçí áðáñííäÞ **compiz**.

Áðñý æéááÜóáðá áððü ðí Üñèñíí, éá íÝñáðá:

- Ðùð íá ñðéíßðáðá ðí ðéí ðñüóðáðí ðñüáñáííá íäÞäçðçð ðçð nVidia (áí áðáéðáßðáé) áéá ðí óýóðçíá óáð.

- Dùò íá ñòèìßóáðá ôï áñ÷áßì `xorg.conf` áέά íá ìðñÝóáðá íá áíáñáñðìέΠóáðá óá ôñέóáέΰóóáðá áðÝ.
- Dùò íá áέάóáóóðóáðá έάέ íá ñòèìßóáðá ôï **Compiz Fusion** ÷ñçóέìðìέπíðáð όçí óðέεìāΠ ðùì Ports.
- Dùò íá áíóέìáððßóáðá óóìçέέóìÝíá ðñìáέΠíáðá ðìð áóìñìÝí óá ôñέóáέΰóóáðá áðÝ.

2 Ñýèìέόç ðùì ÐñìāñāììÜòùì ÌāΠāçόçð όçð nVidia Άέά Ôï FreeBSD

Óá ôñέóáέΰóóáðá áðÝ áðáέóìÝí áñέáðΠ έó÷ý áðáíñāñāóáð áðù όçí έÜñðá āñáóέέπí óáð. Áí ÷ñçóέìðìέáßðá έÜðìέá έÜñðá āñáóέέπí ðìð ááóßáέáέ óá έðέέπíáðá όçð nVidia, έá ðñÝðáέ íá áέάóáóóðóáðá έάέ íá ñòèìßóáðá ôï ðññāñāììā ÌāΠāçόçð ðìð ðāñÝ÷áðáέ áðù όçí áðáέñßā áέá ôï FreeBSD, ÷ñçóέìðìέπíðáð όçí Ýέāìόç ðìð āßíáέ έáðÜέέçç áέá ôï óýóόçíá óáð. Áí ÷ñçóέìðìέáßðá έÜðìέá Üέέç έÜñðá, ðìð ùìð ãññßáέáðá ùðέ ìðìñāß íá áíóáðìέñέέāß óðέð áðáέðΠóáέð ðùì áðÝ, ìðìñāßðá íá ðāñāέāßáðá áððΠ όçí áññóçðá έάέ íá óóìā÷ßóáðá ìā όçí ñýèìέόç ôïð `xorg.conf`.

2.1 Ðñìóáέìñßóáðá ôï óùóóù ðññāñāììā ÌāΠāçόçð

ÔðÜñ÷ìðí áέÜòìñāð áέäùóáέð ðùì ðññāñāììÜòùì ÌāΠāçόçð όçð nVidia óçç óðέεìāΠ ðùì ports. Ç áðέέìāΠ ôìð óùóóìÝ ðññāñāììāðìð áέá ôï óýóόçíá óáð, áíáñðÜðáέ áðù ôï ñìðÝέì (έάέ όçí ðáέáέüόçðá) όçð έÜñðáð āñáóέέπí óáð:

- Ìέ óāέāððáßðð áέäùóáέð ðùì έáñðí nVidia, ððìóόçñßáέìíðáέ áðù ôï port `x11/nvidia-driver`.
- ΈÜñðáð όçð nVidia ðìð áíΠέìðì óðέð óáέñÝð GeForce 2MX/3/4 ððìóόçñßáέìíðáέ áðù óá ðññāñāììāðá ÌāΠāçόçð όçð óáέñÜð 96 óá ìðìßā áέáðßέāìíðáέ ìÝóù ôïð port `x11/nvidia-driver-96xx`.
- Áέññā ðέì ðáέέÝð έÜñðáð, ùðùð ìέ GeForce έáέ RIVA TNT ððìóόçñßáέìíðáέ áðù όç óáέñÜ 71 ðùì ðññāñāììÜòùì ÌāΠāçόçð, óá ìðìßā áέáðßέāìíðáέ ìÝóù ôïð port `x11/nvidia-driver-71xx`.

Óόçí ðñāñāììāέέüóçðá, ç nVidia ðāñÝ÷áέ έāððñāñāßð ðέçññìòìñāð ó÷áðέέÜ ìā ôï ðìέá έÜñðá ððìóόçñßáέìíðáέ áðù ðìέì ðññāñāììā ÌāΠāçόçð. Ìέ ðέçññìòìñāð áððÝð áέáðßέāìíðáέ áðāðέāßðð áðù ôï áέέððáέü óìðð ðùðì: http://www.nvidia.com/object/IO_32667.html.

2.2 Άέάóáóóóáόç ôïð ðññāñāììāðìð ÌāΠāçόçð όçð nVidia

ÁóìÝ έáέìñßóáðá ôï óùóóù ðññāñāììā ÌāΠāçόçð áέá όçí έÜñðá óáð, ç áέάóáóóóáόç āßíáέ ôï ßáέì áðέΠ ìā ìðìέìāΠðìðā Üέέç áóāñììāΠ όçð óðέéìāΠð ðùì ports.

Óçìāßùόç: Áāāáέüέāßðá ùðέ Ý÷āðá áíáíāΠóáέ όç óðέéìāΠ ðùì ports, ÷ñçóέìðìέπíðáð όç ìÝέìāì ðìð ðñìðέìÜðá (ð.÷. **csup**, **CVSup** Π **portsnap**) ðñέì áέάóáóóðóáðá ìðìέáāΠðìðā áðāñììāΠ áðù óá ports. Óá ðññāñāììāðá ÌāΠāçόçð ðùì έáñðí āñáóέέπí, έáέðð έáέ óá ðññāñāììāðá ôñέóáέΰóóáðá ãðÝ, āßíáέ ððù óóìā÷Π āìÝέέìç έáέ āìðāìßáέìíðáέ óáέðέέÜ ìÝāð áέäùóáέð.

Άέá ðāñÜāέéñā, áέá íá áέάóáóóðóáðá ôï óāέāððáßì ðññāñāììā ÌāΠāçόçð:

```
# cd /usr/ports/x11/nvidia-driver
# make install clean
```

Ôì ðññāñāììā ÌāΠāçόçð έá áçìέìñāΠóáέ Ýíā Üñέñññā (module) áέá ôìì ðññΠíá, ôï ìðìßì έá ðñÝðáέ íá òìñðùέāß óόçí áέέßìçόç ôïð óðóðΠíáðìð. Έá ÷ñāέáóðāß íá ðñìóέÝóáðá όçí áέüέìðέç āñāìΠ óðì áñ÷áßì `/boot/loader.conf`:

```
nvidia_load="YES"
```

ΌçĭăΒŭόç: ĭðĭñăβôă íă ôĭñôþóăôă ôĭ Ůñēñŭĭă áðăðēăβăô ôôĭ ðôñΠĭă ðĭô âēôăēăβôăē ôç âăăŷĭŷĭç ÷ñĭĭēēΠ ôðēăĭΠ ÷ñçôēĭĭðĭēĭôăô ôçĭ âĭôĭēΠ kldload nvidia, âēēŮ Ÿ÷ăē ðăñăôçñçēăβ ŭôē ĭē ôăēăðôăβăð âēăŭôăēô ôŷō **Xorg** âăĭ ēăēôĭôñăĭŷĭ ôŭôôŮ âĭ ôĭ ðñŭăñăĭă ĭăΠăçôçô âăĭ ôĭñôŭēăβ ēăôŮ ôçĭ âēēβĭçôç ôŷô ôðôðΠĭăôĭô. Ăēă ôĭ ēŭăĭ áðôŭ, ôăð ôðĭēôðĭŷĭă íă âðăĭăēēēĭΠôăôă ôĭ ôŷôôçĭă ôăð ĭăôŮ ôçĭ ðñĭôēΠēç ôçô ēăôă÷þñçôçô ôðĭ âñ÷ăβĭ /boot/loader.conf.

÷ĭôăô ôĭñôþóăē ôĭ Ůñēñŭĭă ôôĭ ðôñΠĭă, ÷ñăēŮăăôăē ĭŭĭ ĭēă ĭēēñΠ âēēăăΠ ôă ĭēă âñăĭΠ ôŷô âñ÷ăβĭô xorg.conf âēă íă âĭăñăĭðĭēĭôăô ôĭ ðñŭăñăĭă ĭăΠăçôçô.

Ăñăβôă ôçĭ âēŭēĭôēç âñăĭΠ ôðĭ /etc/X11/xorg.conf:

```
Driver      "nv"
```

ēăē âēēŮĭôă ôçĭ ôă:

```
Driver      "nvidia"
```

¼ôăĭ ĭăēēĭΠôăôă ôĭ âñăôēēŭ ðăñēăŮēēĭ ĭă ôĭ ôŷôΠēç ôñŭðĭ, ēă âăβôă ôçĭ ĭēŭĭç ÷ăēñăðēôĭŷĭ ôçô nVidia. ¼ēă ēă ðñŸðăē íă ēăēôĭôñăĭŷĭ ēăñĭēēŮ. Óçĭăēþôă ŭôôŭôĭ, ŭôē ôðĭ ôçĭăβĭ áðôŭ âăĭ Ÿ÷ăē âēŭĭă ñôēĭēôăă ôĭ **Xorg** âēă ôñēôăēŮôôăôă äöŸ. Ç ñŷēĭôç áðôΠ ðăñēăñŮôăôăē ðăñăēŮôŭ.

ΌçĭăΒŭόç: Ăĭ ēăē âăĭ âβĭăē ĭðŭôăΠðĭôă áðăñăβôçôĭ, ĭðĭñăβôă áðβôçô íă âăēăôăôðôôăôă ôă ports x11/nvidia-xconfig ēăē x11/nvidia-settings. Ôĭ ðñþôĭ ĭðĭñăβ íă ôăô âĭçēΠôăē íă ñôēĭβôăôă ôĭ /etc/X11/xorg.conf ĭŸôŭ ôçô âñăĭΠðô âĭôĭēþĭ, âĭþ ôĭ âăŷôăñĭ ēă ôăô áðēôñŸôăē íă âēēŮăăôă ñôēĭβôăēô ôðçĭ ĭēŭĭç ĭŸôă áðŭ âñăôēēŭ ðăñēăŮēēĭ ēăē âĭþ âēôăēăβôăē ôĭ **Xorg**.

3 Ÿŷēĭôç ôŷō xorg.conf âēă ÔñēôăēŮôôăôă ÄöŸ

Ðñēĭ âăēăôăôðôôăôă ēăē âēôăēŸôăôă ôĭ **Compiz Fusion**, ēă ðñŸðăē íă ðñĭôēŸôăôă ĭăñēēŸô ñôēĭβôăēô ôðĭ /etc/X11/xorg.conf:

ÐñĭôēŸôăô ôðô âēŭēĭôēăð âñăĭŸô âēă íă âĭăñăĭðĭēçēĭŷĭ ôă äöŸ ôŷðĭô composite:

```
Section "Extensions"
Option      "Composite" "Enable"
EndSection
```

Ăĭôĭðβôă ôĭ ôĭΠĭă “Screen” ôĭ ĭðĭβĭ ēă ĭĭēŮăăē ĭă ôĭ ðăñăēŮôŭ:

```
Section "Screen"
Identifier  "Screen0"
Device      "Card0"
Monitor     "Monitor0"
...
```

έάέ ðñïòéÝóòá ôéò äýí äñáñÝð ðïò áéïëïðëýí (ìðññáßòá íá ôéò áÙéáòá ìáðÙ ôçí έάóá÷ññçόç “Monitor”):

```
DefaultDepth      24
Option            "AddRGBGLXVisuals" "True"
```

Áíðïðßòá òï “Subsection” òï ïðïßí áíáðÝñáóáé óóçí áðéèðìçòß áíÙéòç ïëùíçð. Άέá ðáñÙááéñá, áí èÝéáòá íá ÷ñçóéïðïéßòáòá áíÙéòç 1280x1024, áñáßòá ôçí áñóçòá ðïò óáßíáóáé óòï ðáñÙááéñá. Áí ááí òðÙñ÷áé áñóçòá ðïò íá áíáðÝñáóáé óóçí áðéèðìçòß áíÙéòç, ìðññáßòá íá ôçí ðñïéÝóáòá ÷áéñïéßçóá:

```
SubSection        "Display"
Viewport          0 0
Modes             "1280x1024"
EndSubSection
```

Άέá ôç έáéðïðñáá òñí áðÝ, áðáéóáßòáé áÙéð ÷ññáðïò 24bits. ΆéëÙíòá òï ðáñáðÙñ ðóðá íá ááß÷íáé:

```
SubSection        "Display"
Viewport          0 0
Depth            24
Modes            "1280x1024"
EndSubSection
```

ÔÝëð, áðéáááéßòá òé òñðññíóáé óá áñëññíáóá “glx” έáé “extmod” ïÝóá áðï òïðñá “Module”:

```
Section "Module"
Load      "extmod"
Load      "glx"
...
```

Ôçíáßòç: Áí Ý÷áòá ááéáóáóòßòáé òï port `x11/nvidia-xconfig`, ìðññáßòá íá èÙíáòá ôéò ðáñéóóððáñáð áðï ôéò ðáñáðÙñ ðòèïßóáéð áßñííóáð ôéò áéëïðéáð áíðïéÝð (ùò root):

```
# nvidia-xconfig --add-argb-glx-visuals
# nvidia-xconfig --composite
# nvidia-xconfig --depth=24
```

Áí èÝéáòá íá ááßòá ùéáð ôéò áðíáðòçòáð òïò ðáñáðÙñ ðññáñÙíáðïò, áðóðá ôçí áíðïéß `nvidia-xconfig -A` | more.

4 Άεάοΰόόό έάέ ñýèíéόç Compiz Fusion

Ç ááéáðΰóóόç òïò **Compiz Fusion** áßíáé òï ßáéí áðëß ìá ïðïéñáððïðá Ùéëï ðññáñáíá:

```
# cd /usr/ports/x11-wm/compiz-fusion
# make install clean
```

Άááéèéáßòá òé áðééÝíáðá óá “EXTRA” plugins έáé òï “EMERALD” window decorator áðï ôç èßóóá áðééñáðí ðïò éá áïðáéóóáß. Áí ÷ñçóéïðïéßáßòá **GNOME**, ð Ý÷áòá ááéáóáóòßòáé óòï óýóóçíá óáð òðïóòñéíç `gconf`, ìðññáßòá áðßóçð íá áðééÝíáðá “gconf support”. Ìá òñí òññðïí áððï, ïé ðòèïßóáéð òñí áðÝ éá áíóñíáððëýí ìá ôéò Ùééáð ðòèïßóáéð ðïò Ý÷áòá èÙíáé óòï áñáðéè ðáñéáÙéëïí óáð, έáé éá ìðññáßòá íá ôéò ááßòá ÷ñçóéïðïéßðïðá òï

2. Η διαδικασία εγκατάστασης του **Compiz Fusion**, η X server θα εγκατασταθεί μέσω του **Compiz Fusion** οπότε θα εγκατασταθεί ο **Compiz Fusion**.

Αν η διαδικασία εγκατάστασης του **Compiz Fusion** δεν ολοκληρωθεί, τότε θα εμφανιστούν οι ακόλουθοι σφάλματα:

```
(EE) NVIDIA(0): Failed to initialize the GLX module; please check in your X
(E) NVIDIA(0): log file that the GLX module has been loaded in your X
(E) NVIDIA(0): server, and that the module is the NVIDIA GLX module. If
(E) NVIDIA(0): you continue to encounter problems, Please try
(E) NVIDIA(0): reinstalling the NVIDIA driver.
```

Αν τα παραπάνω σφάλματα εμφανιστούν, τότε θα πρέπει να εγκατασταθεί ο **Compiz Fusion**. Είναι σημαντικό να εγκατασταθεί ο **Compiz Fusion** πριν από την εγκατάσταση του **Compiz Fusion**.