

ÃÊáÔÚóâáóç êáé ÷ñÞóç ôïð

Compiz Fusion

Ìáíþçò ÊéáãéÛò

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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 \$

ΔιάöíáöéêÛ Äééáéþíáöá © 2008 Ìáíþçò ÊéáãéÛò

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Ôï FreeBSD áβíáé Ýía éáöï÷ ðñùíÝíí àìðñéêêÛ óýíáíêï ðïð FreeBSD Foundation.
ÐñéêÛò áðÛ ðéð èÝíáéð Þ ðñÚóáéð íé ðñíßáð ÷ ñçóéíðñéýíóáé áðÛ ðïð éáðáóéáóðÝò Þ ðïðð
ðùéçðÝò ðïðð áéá íá áéáêñßíðïí óá ðñíúúíóá ðïðð éáùññýíóáé àìðñéêêÛ óýíáíêá. ¼ðïð áððÝò
àìðáíßæííóáé óá áððÛ ðïí éáßíáíí éáé áéá ùóáð áðÛ áððÝò áíùñßæáé ç ìíÛáá ÁíÛðððíçò ðïð FreeBSD ùðé
áßíáé ðééáííí íá áßíáé àìðñéêêÛ óýíáíêá, éá ááßðá Ýía áðÛ óá óýíáíêá: “TM” Þ “®”.

Ç ðéí ðñúóáóç “íüáá” óðñí êùóñí ðïð Linux® áßíáé áíáíðßáíêá óá ðñéóáéÛóðáðá áðÝ óðñí desktop. Áí éáé ç
÷ ñçóéíðùçðá ðïðð Ý÷ áé áìðéóáçðçèáß, ááí ðáyíðïí íá áíðððùóéÛæíðïí éáé íá ðáñáíÝñíðïí óðñÝ÷ áéá óçç
äçñíóéúðçðá. Óá áðÝ áððÛ ðéíðñéýíóáé íá ðç áíðéáéá æÛðññùí ðññáñáííÛðñí ùððð óá **Compiz**
(<http://compiz.org/>), **Beryl** (<http://www.beryl-project.org/>), éáé ðïí ðéí ðñúóáóðïí **Compiz Fusion**
(<http://www.compiz-fusion.org/>). Ááí ÷ ñáéÛæáðáé íá óðáñáßððá áððÛ óá áðÝ ùðáí ÷ ñçóéíðñéáßðá ðïí
FreeBSD. Íé ðáçáßáð ðïð áéñéðñéýí éá óáð áíçèÞóíðïí íá ááéáðáóðÞóðáðá éáé íá ñðéíßðáðá óðñí óýóðçíá óáð óá
ðññáñáííáðá ðïð áðáéðñéýíóáé áéá íá Ý÷ áðá óá ðéÝíí ðñúóáóá ðñéóáéÛóðáðá áðÝ ðïð ðññóðÝñáé ðïí
Compiz Fusion ÷ ñçóéíðñéþíðáð (áí ÷ ñáéÛæáðáé) éáé ðçí éáðÛéççç Ýéäíóç ðññí ðññáñáííÛðñí ðáÞáçðçð
áñáóéêþí ðçð nVidia.

1 ÁéóáãùñÞ

Η ááéáðÛóðáóç ðïð **Compiz Fusion** áðÛ ðçí óðéëíäÞ ðññí Ports, áßíáé íéá ó÷ áðéêêÛ áðèÞ æéáæééáóßá. × ñáéÛæííóáé,
ùððð, éáé èÛðñéáð áðéðéÝíí ñðéíßðáéð, íé ðñíßáð ááí ðáñéáñÛðñíóáé óççí ðáéíçñßùç ðïð port. Ôï Ûñèñíí áððÛ éá óáð
áíçèÞóáé íá ñðéíßðáðá ðññí **Xorg** server áéá ðñéóáéÛóðáóç èáéðññáßá, íá ñðéíßðáðá ðçí nVidia èÛñðá áñáóéêþí óáð,
éáé ðáéêêÛ íá ááéáðáóðÞóðáðá éáé íá æéðáéÝóáðá ðçí áðáññíäÞ **compiz**.

Áðñý æéááÛóðáðá áððÛ ðïí Ûñèñíí, éá íÝñáðá:

- Ðùð íá ñðéíßðáðá ðïí ðéí ðñúóáóðïí ðññáñáííä ðáÞáçðçð ðçð nVidia (áí áðáéðáßðáé) áéá ðïí óýóðçíá óáð.

- Dùò íá ñòèìßóáðá ôï áñ÷áßì `xorg.conf` áέά íá ìðñÝóáðá íá áíáñáñðìέΠóáðá óá ôñέóáέΰóóáðá áðÝ.
- Dùò íá áέάóáóóðΠóáðá έάέ íá ñòèìßóáðá ôï **Compiz Fusion** ÷ñçóέìðìέΠíðáð όçí óðέèìäΠ ðùì Ports.
- Dùò íá áíóέìáððßóáðá óóìçέέóìÝíá ðñìáέΠíðáð ðìð áóìñìÝí óá ôñέóáέΰóóáðá áðÝ.

2 Ñýèìέόç ðùì ÐñìáñáììÛòùì ÌäΠάçόçð όçð nVidia Άέά Ôï FreeBSD

Óá ôñέóáέΰóóáðá áðÝ áðáέóìÝí áñέáðΠ έó÷ý áðáíáñáóáðð áðù όçí έÛñðá áñáóέέΠí óáð. Áí ÷ñçóέìðìέΠáðá έÛðìέά έÛñðá áñáóέέΠí ðìð ááóßáέáέ óá έðέέΠíðáð όçð nVidia, έá ðñÝðáέ íá áέάóáóóðΠóáðá έάέ íá ñòèìßóáðá ôï ðñùáñáììä ÌäΠάçόçð ðìð ðáñÝ÷áðáέ áðù όçí áðáέñßá áέá ôï FreeBSD, ÷ñçóέìðìέΠíðáð όçí Ýέäìόç ðìð áßíáέ έáðÛέέçç áέá ôï óýóόçíá óáð. Áí ÷ñçóέìðìέΠáðá έÛðìέά Ûέέç έÛñðá, ðìð ùìðð áñùñßáέðá ùðέ ìðìñáß íá áíóáðìέñέέáß óðέð áðáέðΠóáέð ðùì áðÝ, ìðìñáßðá íá ðáñáέáßðáðá áððΠ όçí áñùðçðá έάέ íá óóíä÷ßóáðá ìä όçí ñýèìέόç ôïð `xorg.conf`.

2.1 Ðñìóáέìñßóáðá ôï óùóóù ðñùáñáììä ÌäΠάçόçð

ÔðÛñ÷ìðí áέÛòìñáð áέäùóáέð ðùì ðñìáñáììÛòùì ÌäΠάçόçð όçð nVidia óçç óðέèìäΠ ðùì ports. Ç áðέèìäΠ ôìð óùóóìÝ ðñìáñáììäðð áέá ôï óýóόçíá óáð, áíáñðÛóáέ áðù ôï ñìðÝèì (έάέ όçí ðáέάέùðçðá) όçð έÛñðáð áñáóέέΠí óáð:

- Ìέ óáέáððáßðð áέäùóáέð ðùì έáñðΠí nVidia, ððìóόçñßáèìðáέ áðù ôï port `x11/nvidia-driver`.
- ΈÛñðáð όçð nVidia ðìð áíΠέìðì óðέð óáέñÝð GeForce 2MX/3/4 ððìóόçñßáèìðáέ áðù óá ðñìáñáììäðá ÌäΠάçόçð όçð óáέñÛð 96 óá ìðìßá áέáðßáíðáέ ìÝóù ôìð port `x11/nvidia-driver-96xx`.
- Áέùìä ðέì ðáέέÝð έÛñðáð, ùððð ìέ GeForce έάέ RIVA TNT ððìóόçñßáèìðáέ áðù όç óáέñÛð 71 ðùì ðñìáñáììÛòùì ÌäΠάçόçð, óá ìðìßá áέáðßáíðáέ ìÝóù ôìð port `x11/nvidia-driver-71xx`.

Óόçí ðñááìäέέέùðçðá, ç nVidia ðáñÝ÷áέ έäððñáñáßð ðέçñìòìñáðð ó÷áðέέÛ ìä ôï ðìέά έÛñðá ððìóόçñßáέðáέ áðù ðìέì ðñùáñáììä ÌäΠάçόçð. Ìέ ðέçñìòìñáðð áððÝð áέáðßáíðáέ áðáðέáßðð áðù ôï áέέððáέù óìðð ðùðì: http://www.nvidia.com/object/IO_32667.html.

2.2 Άέάóáóóóáόç ôìð ðñìáñáììäðð ÌäΠάçόçð όçð nVidia

ÁóìÝ έáέìñßóáðá ôï óùóóù ðñùáñáììä ÌäΠάçόçð áέá όçí έÛñðá óáð, ç áέάóáóóáόç áßíáέ ôï ßáέì áðέΠ ìä ìðìέìäΠðìä Ûέέç áóáñììäΠ όçð óðέèìäΠð ðùì ports.

Óçìäßùόç: Ááááέέèäßðá ùðέ Ý÷áðá áíáíäΠóáέ όç óðέèìäΠ ðùì ports, ÷ñçóέìðìέΠíðáð όç ìÝèìäìð ðìð ðñìðέìÛðá (ð.÷. **csup**, **CVSup** Π **portsnap**) ðñέì áέάóáóóðΠóáðá ìðìέáäΠðìðá áðáñììäΠ áðù óá ports. Óá ðñìáñáììäðá ÌäΠάçόçð ðùì έáñðΠí áñáóέέΠí, έáέðð έάέ óá ðñìáñáììäðá ôñέóáέΰóóáðùì áðÝ, áßíáέ ððù óóíä÷ß áíÝέέìç έάέ áìðáíßáèìðáέ óáέðέέÛ ìÝäð áέäùóáέð.

Άέá ðáñÛáέéìä, áέá íá áέάóáóóðΠóáðá ôï óáέáððáßì ðñùáñáììä ÌäΠάçόçð:

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

Ôì ðñùáñáììä ÌäΠάçόçð έá áçìέìñáΠóáέ Ýíä Ûñèñùìä (module) áέá ôìì ðññΠíä, ôï ìðìßì έá ðñÝðáέ íá òìñðùέáß óόçí áέέßìçόç ôìð óðóðΠíäðð. Έá ÷ñáέáóðáß íá ðñìóέÝóáðá όçí áέùèìðέç áñáììΠ óðì áñ÷áßì `/boot/loader.conf`:

```
nvidia_load="YES"
```

Όçĭăßüόç: İðĭñăßôă ĩă ôĭñôÞóăôă ôĭ Ũñēñüĭă áðăðēăßăô ôôĭ ðôñÞĭă ðĭô âēôăēăßôăē ôç äăăŭŶĭç ÷ñĭĭēēÞ ôðēăĭÞ ÷ñçôēĭĭðĭēÞĭôăô ôçĭ âĭôĭēÞ kldload nvidia, âēēŨ Ŷ÷ăē ðăñăôçñçēăß üðē ĩē ôăēăðôăßăð âēăüôăēô ôŭ **Xorg** âăĭ ēăēôĭôñăĭŶĭ ôûôôŨ âĭ ôĭ ðñüăñăĭă ĩăÞăçôçô âăĭ ôĭñôŭēăß ēăôŨ ôçĭ âēēßĭçôç ôŭô ôðôðÞĭăôĭô. Ăēă ôĭ ēŭăĭ áðôŭ, ôăð ôðĭēôðĭŶĭă ĩă âðăĭăēēēĭÞóăôă ôĭ ôýôôçĭă ôăð ĩăôŨ ôçĭ ðñĭôēÞēç ôçô ēăôă÷Þñçôçô ôðĭ âñ÷ăßĭ /boot/loader.conf.

÷ĭôăô ôĭñôÞóăē ôĭ Ũñēñüĭă ôôĭ ðôñÞĭă, ÷ñăēŨăăôăē ĭŭĭ ĩēă ĩēēñÞ âēēăăÞ ôă ĩēă äñăĭÞ ôŭô âñ÷ăßĭô xorg.conf âēă ĩă âĭăñăĭðĭēÞóăôă ôĭ ðñüăñăĭă ĩăÞăçôçô.

Ăñăßôă ôçĭ âēüēĭôēç äñăĭÞ ôðĭ /etc/X11/xorg.conf:

```
Driver      "nv"
```

ēăē âēēŨĭôă ôçĭ ôă:

```
Driver      "nvidia"
```

¼ôăĭ ĩăēēĭÞóăôă ôĭ äñăôēēŭ ðăñēăŨēēĭ ĩă ôĭ ôŕĭÞēç ôñŭðĭ, ēă äăßôă ôçĭ ĩēŭĭç ÷ăēñăðēôĭŶĭ ôçô nVidia. ¼ēă ēă ðñŶðăē ĩă ēăēôĭôñăĭŶĭ ēăñĭēēŨ. ÓçĭăēÞóôă ŭôôŭôĭ, ŭðē ôðĭ ôçĭăßĭ áðôŭ äăĭ Ŷ÷ăē âēŭĭă ñðēĭēôăß ôĭ **Xorg** âēă ôñēôăēŨôôăôă äöŶ. Ç ñŶēĭēôç áðôÞ ðăñēăñŨôôăē ðăñăēŨôŭ.

Όçĭăßüόç: Ăĭ ēăē äăĭ âßĭăē ĩðŭôăÞðĭôă áðăñăßôçôĭ, İðĭñăßôă áðßôçô ĩă äăēăôăôðÞóăôă ôă ports x11/nvidia-xconfig ēăē x11/nvidia-settings. Ôĭ ðñÞôĭ İðĭñăß ĩă ôăô âĭçēÞóăē ĩă ñðēĭßôăôă ôĭ /etc/X11/xorg.conf ĩŶôŭ ôçô äñăĭÞô âĭôĭēÞĭ, âĭÞ ôĭ äăŷôăñĭ ēă ôăô áðēôñŶðăē ĩă âēēŨăăôă ñðēĭßôăēô ôðçĭ ĩēŭĭç ĩŶôă áðŭ äñăôēēŭ ðăñēăŨēēĭ ēăē âĭÞ âēôăēăßôăē ôĭ **Xorg**.

3 ŶŶēĭēôç ôŭô xorg.conf âēă ÔñēôăēŨôôăôă ÄöŶ

Đñēĭ äăēăôăôðÞóăôă ēăē âēôăēŶôăôă ôĭ **Compiz Fusion**, ēă ðñŶðăē ĩă ðñĭôēŶôăôă ĩăñēēŶô ñðēĭßôăēô ôðĭ /etc/X11/xorg.conf:

ĐñĭôēŶôăô ôēô âēüēĭôēăð äñăĭŶô âēă ĩă âĭăñăĭðĭēçēĭŶĭ ôă äöŶ ôŷðĭô composite:

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

Ăĭôĭðßôă ôĭ ôĭÞĭă “Screen” ôĭ ĩðĭßĭ ēă ĩēŨăăē ĩă ôĭ ðăñăēŨôŭ:

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

έάέ ðñïϖέΥόόά όέό äýí äñáñÝð ðïϖ áέïëïðèýí (ìðññáβόά íá όέό äϖέäôá ìáðϖ όçí έάόá÷ññçόç “Monitor”):

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

Άíðìðβόόά ôï “Subsection” ôï ïðìβí áíáoÝñáόάέ όόçí äðέèðìçðΠ áíϖέόç ïèùíçð. Άέá ðáñϖááέäíá, áí èÝέäôá íá ÷ñçόέïïðíέΠόáðá áíϖέόç 1280x1024, äñáβόá όçí áñúðçόá ðïϖ óáβíáόάέ όóï ðáñϖááέäíá. Άí äáí òðϖñ÷áέ áñúðçόá ðïϖ íá áíáoÝñáόάέ όόçí äðέèðìçðΠ áíϖέόç, ìðññáβόá íá όçí ðñïϖέΥόόá ÷áέññέβíçόá:

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

Άέá όç έáέðïðñáβá òùí äöÝ, áðáέóáβόáέ äϖέð ÷ñðíáðïð 24bits. Άέëϖíðá ôï ðáñáðϖíñ þóðá íá äáβ÷íáέ:

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

ÔÝèð, äðέäááέþóðá ùóέ òñðþñíóáέ óá äñèñðíáóá “glx” έάέ “extmod” ïÝóá áðï ôï òìβíá “Module”:

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

Ôçíáβùόç: Άí Ý÷áðá äáέáóáóðΠόáέ ôï port `x11/nvidia-xconfig`, ìðññáβόá íá èϖíáðá όέó ðáñέóóðáññáð áðï όέó ðáñáðϖíñ ðòèìβóáέð äβíñíóáð όέó áέüëïðéáð áíðíèÝð (ùð root):

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

Άí èÝέäôá íá äáβóá üéáð όέó äðíáðúðçóáð ôïð ðáñáðϖíñ ðññáñϖííáðïð, äþóðá όçí áíðíèΠ `nvidia-xconfig -A` | more.

4 Άεάόϖϖόόόό έάέ ñýèìέόç Compiz Fusion

Ç äáέáóϖϖόόόό ôïϖ **Compiz Fusion** äβíáέ ôï βáέí äðèΠ ìá ïðíéñáβðñíðá ϖέëï ðñüäñáííá:

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

Άäááέüèäβóá üóέ äðέéÝíáðá óá “EXTRA” plugins έάέ ôï “EMERALD” window decorator áðï όç èβóóá äðέéñäþí ðïϖ éá äìðáíέóóáβ. Άí ÷ñçόέïïðíέáβóá **GNOME**, þ Ý÷áðá äáέáóáóðΠόáέ óóï óýóόçíá óáð òðñóðññέíç `gconf`, ìðññáβóá äðβόçð íá äðέéÝíáðá “gconf support”. Ìá ôñí òñüðñí áðóð, ïé ðòèìβóáέð òùí äöÝ éá áíóùíáðúèèýíí ìá όέó ϖέéäð ðòèìβóáέð ðïϖ Ý÷áðá èϖíáέ óóï äñáóéèü ðáñéáϖέëñí óáð, έάέ éá ìðññáβóá íá όέó äáβóá ÷ñçόέïïðíέþñóáð ôï

gconf-editor. Όόόό, ôï **Compiz Fusion** ïðñāβ íá áðñççāýóáé ôéð ñöèìΒόάéð ôïö έάέ óá áðēŮ āñ÷āΒá έāéìÝñï, áí āāí āðēèìāΒóā ôÝôïéïò āβāïòð ïēēēβñùç. Óôçí ðāñβððùç áðð, έá äçìéïñāççēā ï έáóŮēïāïð .compizconfig ïÝóá óôï ðñïúðēēü óáð έáóŮēïāï.

ÌāðŮ ôï ôÝēïð ôçð āāēáðŮóóáçð, ïāēéíΠóóā ôï āñāöēēü ðāñēāŮēēïí έάέ óá Ýíá ðāñïáðēēü, āþóðā (ùð áðēüð ÷ñΠóçð) ôéð áēüēïðēāð áíôïēÝð:

```
% compiz --replace --sm-disable --ignore-desktop-hints ccp &
% emerald --replace &
```

Ç ïēüíç óáð έá ðñāñðāβíāé āéá ēβāā āāððāñüēāððā, έāèðð έá āβíāðāé áíðēéáóŮóóáç ôïö ðñÝ÷ïððō āéá÷āēñéóðð ðāñāēýññïí óáð (ð.÷. **Metacity** áí ÷ñçóéïñðñēāβóā ðāñēāŮēēïí **GNOME**) áðü ôï **Compiz Fusion**. Ç āóāññāΠ **Emerald** áíāēāìāŮíāé ôéð āéāēïíΠóáéð ðñí ðāñāēýññïí (ð.÷. óá ðēΠēðñā āéá ēēāβóéñ, ïāāéóôïðñìççç, āēā÷éóôïðñìççç, ôéð ïðŮñāð ôβðēñí ē.ï.ē.).

Ìðññāβóā íá ïāóāðñÝðāðā ôï ðāñāðŮŮü óá Ýíá áðēïüēü script ôï ïðñì ïā āēðāēāβóāé áððñíāóā έáðŮ ôçí āēēβìççç ôïö ðāñēāŮēēïððð (ð.÷. ðñïðēÝôïíðāð ôï óôï “Sessions” óôï āñāöēēü ðāñēāŮēēïí **GNOME**):

```
#!/bin/sh
compiz --replace --sm-disable --ignore-desktop-hints ccp &
emerald --replace &
```

Áðñçççāýóóā ôï óôï έáóŮēïāï óáð, āéá ðāñŮāāēāï ïā ôï ïññā start-compiz έáé āþóðā ôïö āēéāēñíāóā āēðÝēāçð:

```
% chmod +x ~/start-compiz
```

×ñçóéïñðñēΠóóā Ýðāéóā óā āñāöēēŮ āñāēēāβā āéá íá ôï ðñïðēÝóáðā óóā ðññāñŮñāóā āēēβìççç, Startup Programs (āñβóēāðāé óôï System, Preferences, Sessions óôï ðāñēāŮēēïí āñāóáβāð **GNOME**).

Āéá íá ñöèìΒóāðā üðüð ēÝēāðā óā āöÝ, āēðāēÝóóā (ðŮēé ùð éāññēēüð ÷ñΠóçð) ôçí āðāññāΠ **Compiz Config Settings Manager**:

```
% ccsn
```

Óçìāβüçç: Óôï **GNOME**, ïðññāβóā íá āñāβóā ôçí āðāññāΠ áðð óôï ïāñý System, Preferences.

Áí āðēēÝíāðā “gconf support” έáðŮ ôç ïāðāēðððéçç, έá ïðññāβóā āðβçðð íá āāβðā ôéð ñöèìΒóāéð óáð ïÝóü ôïö gconf-editor, óðçí āñüççðā apps/compiz.

5 Áíðēìāððēçç ðññāēçïŮôñí ôïö Compiz Fusion

Ç áēüēïðēç āñüççðā έāēýððāé óó÷ïð āñüðΠóáéð ðïö áóïññýí ðññāēñíāóā έáðŮ ôçí āēðÝēāçç ôïö **Compiz Fusion**.

1. ÷ñ āēāðāóððāé ôï **Compiz Fusion**, έáé ïāðŮ ôçí āēðÝēāçç ðñí áíôïēñ ðïö ðāñēāñŮóāðā, óā ðāñŮēðñā ïï āāí Ý÷ïïððēÝñ ïðŮñāð ôβðēñí έáé ðēΠēðñā āēÝā÷ïð. ðïö āβíāé ôï ēŮēïð;

Ôï ðēēāñüðāññ āβíāé ïðē óáð ēāβðāé ēŮðñēā ñýēìççç óôï /etc/X11/xorg.conf. ĀēÝāñāð ðññāēðēēŮ ôï āñ÷āβí, έáé āēāēēŮ ôéð έáðā÷ññΠóáéð DefaultDepth έáé AddARGBGLXVisuals.

