

## **XxX\_10.4.11\_Install\_Disc\_rev2.0**

This release is meant to be the final version. Includes the PPF1, PPF2 patches and adds more features to the installer; all Apple Software Updates till april 2008, and a few more drivers.

- X11
- X11 update 2006 1.1.3
- Airport Utility update 5.2.1
- Compatibility update for QuickTime 7.2
- Java for MACOSX 10.4 release 6
- Safari 3.1 update
- iTunes 7.6.2 update
- Security update 2008-002
- QuickTime 7.4.5, AirPort Extreme update 2008-002
- GMA900\_10.4.5 drivers
- BroadcomWiFi patch
- New Jmicron and Marvell ATA controller driver
- Realtek RTL8111/8187/8187B
- SSE2 DVD player patch
- Generic AC97 Audio driver
- Radeon 7500 patch
- SpeedStep.app
- Little Snitch
- Sowndflower
- Perian
- SlimBatteryMonitor
- KextHelper

Enjoy, and visit the XxX\_Install\_Disc blog for updates and upcoming releases at:

**<http://xxx-install-disc.blogspot.com/>**

## Installer options

Package Name	Action	Size
<input type="checkbox"/> Skip	Skip	0 bytes
▼ Apple Combo 10.4.11 Update		
<input type="checkbox"/> MacOSXUpdCombo10.4.11Intel.pkg	Skip	0 bytes
▼ PC EFI Bootloaders		
<input type="checkbox"/> efi_v5	Skip	60.0KB
<input type="checkbox"/> efi_v6	Skip	540KB
<input type="checkbox"/> efi_v7.3 GUID	Skip	60.0KB
<input type="checkbox"/> efi_v8 GUID	Skip	20.0KB
<input type="checkbox"/> efi_v8 MBR	Skip	60.0KB
▼ Kernels and Kexts		
▼ 8.11.1 Intel SSE3/SSE2 kernel		
<input type="checkbox"/> 8.11.1.EFI kernel	Skip	0 bytes
<input type="checkbox"/> 8.11.1.no-EFI kernel	Skip	4.0MB
▼ 8.10.1 Intel SSE3 kernel		
<input type="checkbox"/> 8.10.1.kernel	Skip	4.0MB
<input type="checkbox"/> 8.10.1.System.kext	Skip	0 bytes
▼ no-EFI Systems kexts		
<input type="checkbox"/> IOATAFamily.kext.Paulicat	Skip	0 bytes
<input type="checkbox"/> AppleACPIPlatform.kext	Skip	676KB
<input type="checkbox"/> AppleAPIC.kext	Skip	45.0KB
<input type="checkbox"/> AppleSMBIOS.kext.Netkas	Skip	0 bytes
▼ 8.9.1 kernel Universal + patches.		
<input type="checkbox"/> 8.9.1.kernel.Universal.may02	Skip	4.0MB
<input type="checkbox"/> 8.9.1.System.kext	Skip	0 bytes
<input type="checkbox"/> 10.4.5.Loginwindow.app	Skip	998KB
▼ RecommendedPatches		
<input type="checkbox"/> ApplePS2Controller.kext.v2.0	Skip	1.4MB
<input type="checkbox"/> DictionaryFix	Skip	2.4MB
<input type="checkbox"/> VerboseMode	Skip	0 bytes
<input type="checkbox"/> CPUPowerManagement.kext_Remover	Skip	0 bytes
<input type="checkbox"/> System.Profiler.Patch	Skip	2.3MB
▼ OptionalKernel/Patches		
▼ OptionalKernels		
<input type="checkbox"/> dsmos.kext	Skip	52.0KB
<input type="checkbox"/> 8.10.3.Hpet.kernel+system.kext	Skip	4.0MB
<input type="checkbox"/> 8.10.3.NoHpet.kernel+system.kext	Skip	4.0MB
<input type="checkbox"/> 8.9.1.kernel.Universal.jul08	Skip	4.0MB
<input type="checkbox"/> 8.9.1.kernel.SSE3.jun25	Skip	4.0MB
<input type="checkbox"/> 8.9.1.kernel.Universal.apr23	Skip	4.0MB
<input type="checkbox"/> 8.9.1.kernel.SSE3.apr18	Skip	4.0MB
<input type="checkbox"/> 8.9.1.kernel.SSE2.apr01	Skip	4.0MB
▼ OptionalPatches		
<input type="checkbox"/> IOATAFamily.kext	Skip	1.5MB
<input type="checkbox"/> Paulicat AppleSMBIOS.kext	Skip	207KB
<input type="checkbox"/> 10.4.4.Loginwindow.app	Skip	998KB
<input type="checkbox"/> Adobe.CS3.Patch	Skip	2.0MB

Package Name	Action	Size
▼ ATA_USB controllers		
<input type="checkbox"/> ICH7-R	Skip	12.8MB
<input type="checkbox"/> ICH8-R	Skip	100KB
<input type="checkbox"/> ICH8	Skip	772KB
<input type="checkbox"/> Jmicron	Skip	916KB
<input type="checkbox"/> VIA SATA/ATA	Skip	756KB
<input type="checkbox"/> ATI ATA	Skip	688KB
<input type="checkbox"/> ATI.ATA+IOATAFamily	Skip	168KB
<input type="checkbox"/> nForce SATA	Skip	168KB
<input type="checkbox"/> USB	Skip	1.3MB
<input type="checkbox"/> Generic.USB.EH-CI.Controller	Skip	4.9MB
<input type="checkbox"/> Generic.USB.EH-CI.Controller	Skip	3.0MB
▼ Graphic Drivers		
▼ Intel.Integrated.Graphics		
<input type="checkbox"/> IntelGMA900	Skip	112MB
<input type="checkbox"/> IntelGMA900_fixer	Skip	14.1MB
<input type="checkbox"/> IntelGMA950	Skip	1.4MB
▼ nVidia.Support		
<input type="checkbox"/> Natit.Dual.v01	Skip	12.7MB
<input type="checkbox"/> Natit.Dual.v02	Skip	0 bytes
<input type="checkbox"/> Apple.10.4.9.NVidia.Kexts	Skip	44.0MB
<input type="checkbox"/> Titan.Driver	Skip	3.5MB
<input type="checkbox"/> nVidia.mobility	Skip	70.0KB
<input type="checkbox"/> NVinject009	Skip	236KB
<input type="checkbox"/> NVinject.0.1.3	Skip	140KB
<input type="checkbox"/> NVinjectGoC09	Skip	128KB
<input type="checkbox"/> NVinjectGo.0.1.0	Skip	124KB
<input type="checkbox"/> NVinjectGo.0.1.0	Skip	124KB
▶ G80_Nvidia_8800		
<input type="checkbox"/> G80_Nvidia_8800	Skip	39.4MB
▼ ATI.Support		
<input type="checkbox"/> ATI.X1x00	Skip	49.3MB
<input type="checkbox"/> ATI.X1x00.AGP.support	Skip	2.15MB
<input type="checkbox"/> Natit.X1300	Skip	1.8MB
<input type="checkbox"/> Natit.X1600	Skip	128KB
<input type="checkbox"/> Natit.X1800	Skip	128KB
<input type="checkbox"/> ATI.X19x0	Skip	8.4MB
<input type="checkbox"/> 10.4.5.ATINDRV	Skip	1.5MB
<input type="checkbox"/> 10.4.7.IONDRV.kext	Skip	356KB
<input type="checkbox"/> 10.4.8.OperGL.Framework	Skip	13.7MB
▼ CallistoDriver		
<input type="checkbox"/> Callisto.b003	Skip	1.7MB
<input type="checkbox"/> Callisto.b005	Skip	364KB
<input type="checkbox"/> Callisto.b006	Skip	372KB
<input type="checkbox"/> Callisto.b006	Skip	372KB
<input type="checkbox"/> Callisto.b008	Skip	380KB
<input type="checkbox"/> Callisto.Radeon.7000IGP	Skip	269KB
▼ AGPGart		
<input type="checkbox"/> AGPGart.v1.1	Skip	5.0MB
<input type="checkbox"/> AGPGart.v1.2	Skip	256KB
<input type="checkbox"/> AGPGart.v1.2	Skip	1.7MB

This screenshots are from the rev1.0. You will find some more install items in the rev2.0

Package Name	Action	Size
<input type="checkbox"/> AGPGart.v2.2	Skip	1.1MB
<input type="checkbox"/> AGPGartLite.Intel865chipset	Skip	216KB
▼ Audio Drivers		
▼ ALC.Audio.Drivers		
<input type="checkbox"/> ALC850	Skip	4.6MB
<input type="checkbox"/> ALC880	Skip	320KB
<input type="checkbox"/> ALC882.Audio	Skip	250KB
<input type="checkbox"/> ALC883.Audio.6.ports	Skip	1.0MB
<input type="checkbox"/> ALC883.Audio.6.ports.digital	Skip	38.0KB
<input type="checkbox"/> ALC888.Audio.6.ports	Skip	1.0MB
<input type="checkbox"/> ALC888.Audio.6.ports.digital	Skip	1.0MB
▼ Sigmatel.Audio.Drivers		
<input type="checkbox"/> Sigmatel9200	Skip	1.8MB
<input type="checkbox"/> Sigmatel9220/9752/9753	Skip	320KB
<input type="checkbox"/> Sigmatel9223	Skip	320KB
<input type="checkbox"/> mAudio.Omnistudio.USB	Skip	1.2MB
<input type="checkbox"/> ADI198C.AC97.Audio	Skip	308KB
<input type="checkbox"/> Ati.SB400.AC97.Audio	Skip	608KB
<input type="checkbox"/> Azalia.Audio	Skip	616KB
<input type="checkbox"/> ConexantHDA	Skip	308KB
<input type="checkbox"/> Soundblaster.USB.Support	Skip	252KB
<input type="checkbox"/> Soundblaster.USB.Support	Skip	5.1MB
▼ Network Drivers		
<input type="checkbox"/> Intel.82562EZ.Networking	Skip	21.2MB
<input type="checkbox"/> Realtek8187.Driver+App	Skip	2.6MB
<input type="checkbox"/> RealtekR1000.Driver	Skip	208KB
<input type="checkbox"/> PCGenetic.Realtek8139.Ethernet	Skip	64.0KB
<input type="checkbox"/> AtherosAR5004G.wireless.Driver	Skip	1.0MB
<input type="checkbox"/> AtherosAR5004G.wireless.Driver	Skip	3.5MB
▶ Ralink.USB.Wireless		
<input type="checkbox"/> Ralink.USB.Wireless	Skip	3.4MB
<input type="checkbox"/> 10.4.5.I080211Family.kext	Skip	3.0MB
<input type="checkbox"/> 10.4.3.IONetworkingFamily.kext	Skip	2.4MB
<input type="checkbox"/> AppleIntel825x.kext	Skip	1.3MB
▶ Via.Rhine.Ethernet		
<input type="checkbox"/> Via.Rhine.Ethernet	Skip	192KB
<input type="checkbox"/> Forcetheth.nForce4.ethernet.driver	Skip	64.0KB
<input type="checkbox"/> Marvell.Gigabit.Ethernet	Skip	636KB
<input type="checkbox"/> YUKON.88E8053.Ethernet	Skip	2.7MB
▼ Miscellaneous		
<input type="checkbox"/> RadeonTool	Skip	10.6MB
<input type="checkbox"/> PowerManagement.bundle	Skip	80.0KB
<input type="checkbox"/> Insomnia.kext	Skip	256KB
<input type="checkbox"/> CharacterPalette.component	Skip	196KB
<input type="checkbox"/> Front.Row	Skip	828KB
<input type="checkbox"/> Back.Row	Skip	520KB
<input type="checkbox"/> IRKeyboardEmu	Skip	520KB
<input type="checkbox"/> QuickTime.Codecs	Skip	8.3MB
<input type="checkbox"/> HimmelBar	Skip	0 bytes
<input type="checkbox"/> QuartzSimple	Skip	0 bytes

### No EFI basic customization:

There's no EFI patches selected, and the 8.10.1 kernel would be installed together with the needed kexts, and patches. You might have to add audio, sound and network drivers to this default selection.

The 8.10.1 works very well since it is compiled from source. Notice that the System.kext must be installed along.

Package Name	Action	Size
<input type="checkbox"/> EssentialSystemSoftware	Skip	422KB
<input checked="" type="checkbox"/> Apple Combo 10.4.11 Update		0 bytes
<input checked="" type="checkbox"/> MacOSXUpdCombo10.4.11Intel.pkg	Upgrade	0 bytes
<input type="checkbox"/> PC EFI Bootloaders		740KB
<input type="checkbox"/> Kernels and Kexts		10.9MB
<input type="checkbox"/> 8.11.1 Intel SSE3/SSE2 kernel		4.0MB
<input checked="" type="checkbox"/> 8.10.1 Intel SSE3 kernel		4.0MB
<input checked="" type="checkbox"/> 8.10.1.kernel	Install	4.0MB
<input checked="" type="checkbox"/> 8.10.1.System.kext	Install	0 bytes
<input checked="" type="checkbox"/> no-EFI Systems kexts		72.1KB
<input checked="" type="checkbox"/> IOATFamily.kext.Paulicat	Install	0 bytes
<input checked="" type="checkbox"/> AppleACPIPlatform.kext	Install	676KB
<input checked="" type="checkbox"/> AppleAPIC.kext	Install	45.0KB
<input checked="" type="checkbox"/> AppleSMBIOS.kext.Netkas	Install	0 bytes
<input type="checkbox"/> 8.9.1 kernel Universal + patches.		5.0MB
<input checked="" type="checkbox"/> RecommendedPatches		6.2MB
<input checked="" type="checkbox"/> ApplePS2Controller.kext.v2.0	Install	1.4MB
<input checked="" type="checkbox"/> DictionaryFix	Upgrade	2.4MB
<input checked="" type="checkbox"/> VerboseMode	Upgrade	0 bytes
<input checked="" type="checkbox"/> CPU.PowerManagement.kext.Remove	Upgrade	0 bytes
<input checked="" type="checkbox"/> System.Profiler.Patch	Upgrade	2.3MB
<input type="checkbox"/> OptionalKernel/Patches		32.7MB
<input type="checkbox"/> ATA,USB controllers		12.8MB
<input type="checkbox"/> GraphicDrivers		112MB
<input type="checkbox"/> AudioDrivers		13.5MB

This screenshot shows a customization for using a EFI patch. As you see we don't need to use any extra kexts (as long as your hardware is supported by apple's stock kexts). In this case I left ApplePS2Controller.kext selected to have keyboard support, since apple kexts won't recognize a PS2 keys. Same for audio, graphic cards, etc.

You **only** can use Apple's stock kernels with a **Core 2 Duo CPU** and a mobo with **intel chipset** supporting HPET, NX/XD enabled, etc. In that case you don't need to select any kernel. Otherways you must choose a EFI compatible kernel to use (**only 8.10.1 or 8.11.1 are EFI compatibles**).

Also notice that the EFI patch selected is for MBR partitions, and so must be the partition you choose for the installation.

**There could be problems trying to install the EFI patch in systems with 512mb ram or less** due the way the installer handles postflight scripts.

Package Name	Action	Size
<input type="checkbox"/> EssentialSystemSoftware	Skip	422KB
<input checked="" type="checkbox"/> Apple Combo 10.4.11 Update		0 bytes
<input checked="" type="checkbox"/> MacOSXUpdCombo10.4.11Intel.pkg	Upgrade	0 bytes
<input type="checkbox"/> PC EFI Bootloaders		60.0KB
<input type="checkbox"/> efi_v5	Skip	60.0KB
<input type="checkbox"/> efi_v6		540KB
<input type="checkbox"/> efi_v7.3 GUID	Skip	60.0KB
<input type="checkbox"/> efi_v8 GUID	Skip	20.0KB
<input checked="" type="checkbox"/> efi_v8 MBR	Install	60.0KB
<input type="checkbox"/> Kernels and Kexts		6.2MB
<input checked="" type="checkbox"/> 8.11.1 Intel SSE3/SSE2 kernel		0 bytes
<input checked="" type="checkbox"/> 8.11.1.EFI kernel	Upgrade	0 bytes
<input type="checkbox"/> 8.11.1.no-EFI kernel	Skip	4.0MB
<input type="checkbox"/> 8.10.1 Intel SSE3 kernel		4.0MB
<input type="checkbox"/> no-EFI Systems kexts		72.1KB
<input type="checkbox"/> 8.9.1 kernel Universal + patches.		5.0MB
<input checked="" type="checkbox"/> RecommendedPatches		6.2MB
<input checked="" type="checkbox"/> ApplePS2Controller.kext.v2.0	Install	1.4MB
<input checked="" type="checkbox"/> DictionaryFix	Upgrade	2.4MB
<input checked="" type="checkbox"/> VerboseMode	Upgrade	0 bytes
<input checked="" type="checkbox"/> CPU.PowerManagement.kext.Remove	Upgrade	0 bytes
<input checked="" type="checkbox"/> System.Profiler.Patch	Upgrade	2.3MB
<input type="checkbox"/> OptionalKernel/Patches		32.7MB

## Base Install Combos Menu

These options don't do more than install multiple packages from the different menus at once. You could actually have the same result by selecting 'by hand' the packages as follow:

**SSE2:** (8.9.1 kernel, no EFI supported)

from 'Kernels and Kexts' menu:

- no-EFI kexts (all 4 items)
- 8.9.1 Kernel Universal + Patches (all 3 items)
- RecommendedPatches (all 5 items)

**SSE3.noEFI:** (8.10.1 kernel)

from 'Kernels and Kexts' menu:

- 8.10.1 Intel SSE3 (2 items). 8.11.1 no-EFI can be used instead. Might need to boot with '-legacy' flag.
- no-EFI kexts (all 4 items)
- RecommendedPatches (all 5 items)

**SSE3.EFI.MBR:** (8.10.1 kernel)

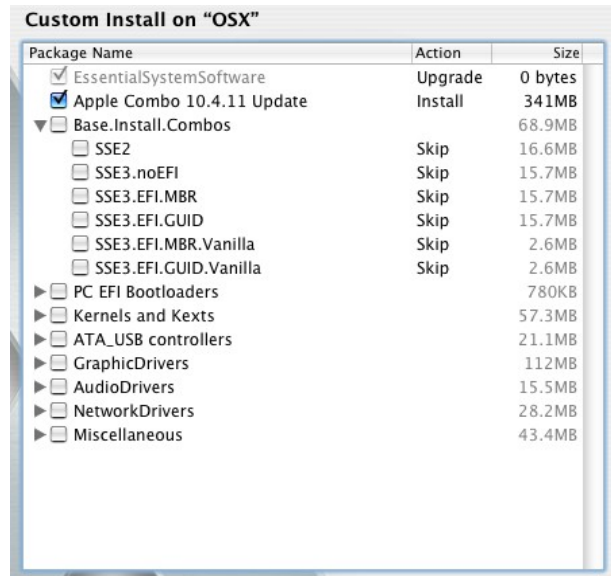
from 'PC EFI Bootloaders' menu:

- efi\_v8.MBR. (Efi v8 GUID can be used instead but you must format your disk in accordance!)
- from 'Kernels and Kexts' menu:
- 8.10.1 Intel SSE3 (2 items). 8.11.1 can be used instead. Might need to boot with '-legacy' flag.
- no-EFI kexts (only AppleSMBIOS.kext.Netkas)
- RecommendedPatches (all items but CPUPowerManagement\_Remover)

**SSE3.EFI.MBR, Vanilla:** (Apple vanilla kernel. Only for Intel C2D and Intel chipsets HPET boards)

from 'PC EFI Bootloaders' menu:

- efi\_v8.MBR. (Efi v8 GUID can be used instead but you must format your disk in accordance!)
- from 'Kernels and Kexts' menu:
- RecommendedPatches (Only PS2Controller, DictionaryFix and VerboseMode)
- from Optional kernel
- dsmos.kext



The GUID versions are the same as the MBR versions but they work on GUID partitions.

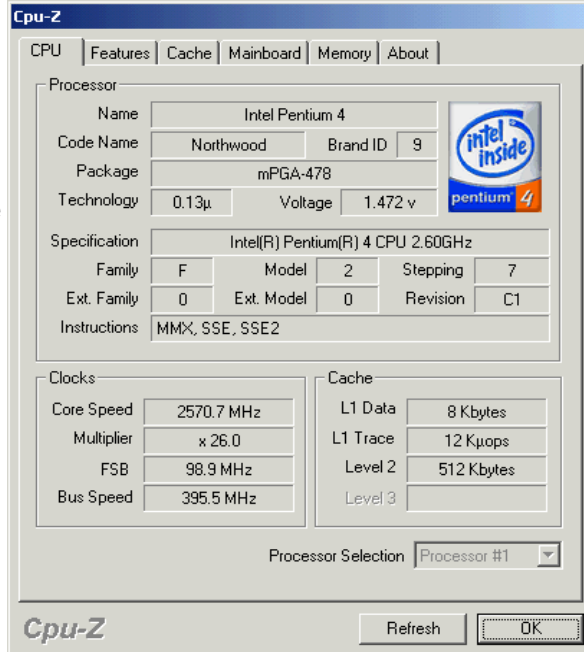
## Custom Installation tips

**This is not something you go and buy in your computer store.** This is a patched/hacked OS and it will require some amount of computer skills to get it working. If your average activity on your PC goes from listening some mp3 to sending some emails this is not for you (unless you want to spend some time making it work). If you dont like it go and buy a real mac, they are beautiful high-end machines.

Im Assuming you already know how to format your harddisk for the installation, otherwise have a look to the Hdsetup.pdf included.

For a succesfull instalation you need to be shure about what hardware you have. I suggest you get some hardware profiler software (SiSoftware Sandra would do on windows). You get this information in Windows Device Manager as well. There is a little amount of hardware supported by OSX86, so you can only hope that yours is working. My advice is to build yourself a clone with supported components.

One of the most important things is to figure out which set of instructions your CPU support. You can use some windows utility like CPUSpy or CPU-Z to retrieve the information. As you can see in the screenshot on the right SSE2 is listed in the "Instructions" letterbox. If SSE3 was supported for this CPU it would be listed right after the "SSE2". Something really usefull in this matter is that little booklet that should come with your motherboard; there you will find most of the info you need. Once you have the information about your CPU and other hardware you are ready to go.



**The 8.10.1 Intel SSE3 kernel will be installed by default.** If this is the case of your CPU the check boxes should look like this>>>.

You dont need to install any optional kernel.

**The RecommendedPatches menu** is selected by default too. Leave it like it is unless you know what you are doing.

Package Name	Action	Size
<input checked="" type="checkbox"/> EssentialSystemSoftware	Install	2.4GB
<input checked="" type="checkbox"/> Intel SSE3 kernel + essential 10.4.10	Install	6.1MB
<input type="checkbox"/> 8.10.1.kernel.AMD.SSE3	Skip	4.0MB
<input type="checkbox"/> 8.9.1 kernel Universal + patches.		5.0MB
<input checked="" type="checkbox"/> RecommendedPatches		9.2MB
<input checked="" type="checkbox"/> VerboseMode	Install	0 bytes
<input checked="" type="checkbox"/> CPUPowerManagement.kext_Remover	Install	0 bytes
<input checked="" type="checkbox"/> System.Profiler.Patch	Install	9.2MB
<input type="checkbox"/> OptionalKernel/Patches		28.6MB

(Intel SSE3 installation)

Currently the 8.10.1 kernel only support SSE3 CPUs. If happens that your CPU only supports SSE2 you would have to install a **8.9.1 kernel** together with the **System.kext** and a **Loginwindow patch**, just as shown in the screenshot here>>>.

**SSE2 support is experimental.** I've tested my self in a P4 nothwood core. Apparently works fine but my testings didnt go so deep (running apps, etc).

Package Name	Action	Size
<input checked="" type="checkbox"/> EssentialSystemSoftware	Install	2.4GB
<input checked="" type="checkbox"/> Intel.SSE3 kernel + essential.10.4.10...	Install	6.1MB
<input type="checkbox"/> 8.10.1.kernel.AMD.SSE3	Skip	4.0MB
<input checked="" type="checkbox"/> 8.9.1 kernel Universal + patches.		5.0MB
<input checked="" type="checkbox"/> 8.9.1.kernel.Universal.may02	Install	4.0MB
<input checked="" type="checkbox"/> 8.9.1.System.kext	Install	0 bytes
<input checked="" type="checkbox"/> 10.4.5.Loginwindow.app	Install	998KB
<input checked="" type="checkbox"/> RecomendatedPatches		9.2MB
<input checked="" type="checkbox"/> VerboseMode	Install	0 bytes
<input checked="" type="checkbox"/> CPUPowerManagement.kext_Remover	Install	0 bytes
<input checked="" type="checkbox"/> System.Profiler.Patch	Install	9.2MB
<input type="checkbox"/> OptionalKernel/Patches		28.6MB

(Intel SSE2 install)

Yet another SSE2 only install configuration. In this case one kernel from the OptionalKernels is selected instead.

When using a 8.9.1 kernel on my SSE2 machine, I had apply a Loginwindow patch to prevent "About This Mac" window to crash.

Package Name	Action	Size
<input checked="" type="checkbox"/> EssentialSystemSoftware	Install	2.4GB
<input checked="" type="checkbox"/> Intel.SSE3 kernel + essential.10.4.10.P...	Install	6.1MB
<input type="checkbox"/> 8.10.1.kernel.AMD.SSE3	Skip	4.0MB
<input checked="" type="checkbox"/> 8.9.1 kernel Universal + patches.		998KB
<input type="checkbox"/> 8.9.1.kernel.Universal.may02	Skip	4.0MB
<input checked="" type="checkbox"/> 8.9.1.System.kext	Install	0 bytes
<input checked="" type="checkbox"/> 10.4.5.Loginwindow.app	Install	998KB
<input checked="" type="checkbox"/> RecomendatedPatches		9.2MB
<input checked="" type="checkbox"/> VerboseMode	Install	0 bytes
<input checked="" type="checkbox"/> CPUPowerManagement.kext_Remover	Install	0 bytes
<input checked="" type="checkbox"/> System.Profiler.Patch	Install	9.2MB
<input checked="" type="checkbox"/> OptionalKernel/Patches		4.0MB
<input checked="" type="checkbox"/> OptionalKernels		4.0MB
<input type="checkbox"/> 8.10.3.kernel+dsmos+system.kext	Skip	4.0MB
<input type="checkbox"/> 8.9.1.kernel.Universal.jul08	Skip	4.0MB
<input type="checkbox"/> 8.9.1.kernel.SSE3.jun25	Skip	4.0MB
<input checked="" type="checkbox"/> 8.9.1.kernel.Universal.apr23	Install	4.0MB
<input type="checkbox"/> 8.9.1.kernel.SSE3.apr18	Skip	4.0MB
<input type="checkbox"/> 8.9.1.kernel.SSE2.apr01	Skip	4.0MB
<input type="checkbox"/> OptionalPatches		4.6MB

**You have to be shure what are your CPUs instructions capabilities (SSE2 or SSE3). If you install a wrong kernel to start with it would never ever work.** You can always **google** to find out about hardware specs.

What about the rest of the optional kernels?. Well, some of them arent really necessary as well as some of the optional patches. I just wanted to make a nice collection from all times. In my testings the **8.9.1.kernel.Universal.jul08** gave me a kernel panic on a SSE2 machine. The other two universal kernels (may02, apr23) worked fine on the same machine. Be aware that I've also included some old drivers (from 10.4.8 or older). Even though some have working for me under 10.4.9/10.4.10. most of them are untested.

The selection of Items during the install process should be done in accordance to the info you've gathered about your hardware.

Here are some screenshots of how I customize the installation for my machines. Yours should look likely.

**Screenshot 1, from up to down:**

All RecommendedPatches are selected; verbose mode patch, CPUmanagement remover, profiler patcher. GMA950 graphic driver, ALC883 audio driver. Realtek1000 ethernet driver. This machine is based on a Pentium-d 925 and a Gigabyte 945GZM-S2 (ICH7). All onboard hardware is fully working.

Package Name	Action	Size
<input checked="" type="checkbox"/> EssentialSystemSoftware	Install	2.4GB
<input checked="" type="checkbox"/> Intel.SSE3 kernel + essential.10.4.10.Patches	Install	6.1MB
<input type="checkbox"/> 8.10.1.kernel.AMD.SSE3	Skip	4.0MB
<input type="checkbox"/> 8.9.1 kernel Universal + patches.		5.0MB
<input checked="" type="checkbox"/> RecommendedPatches		9.2MB
<input type="checkbox"/> OptionalKernel/Patches		28.6MB
<input type="checkbox"/> ATA_USB controllers		12.8MB
<input checked="" type="checkbox"/> GraphicDrivers		200KB
<input checked="" type="checkbox"/> Intel.Integrated.Graphics		200KB
<input type="checkbox"/> IntelGMA900	Skip	1.4MB
<input checked="" type="checkbox"/> IntelGMA950	Install	200KB
<input type="checkbox"/> nVidia.Support		4.1MB
<input type="checkbox"/> ATI.Support		35.6MB
<input type="checkbox"/> AGPGart		5.0MB
<input checked="" type="checkbox"/> AudioDrivers		1.2MB
<input checked="" type="checkbox"/> ALC.Audio.Drivers		1.2MB
<input type="checkbox"/> ALC882.Audio	Skip	1.0MB
<input checked="" type="checkbox"/> ALC883.Audio.6.ports	Install	1.2MB
<input type="checkbox"/> ALC883.Audio.6.ports.digital	Skip	1.0MB
<input type="checkbox"/> ALC888.Audio.6.ports	Skip	1.0MB
<input type="checkbox"/> ALC888.Audio.6.ports.digital	Skip	1.0MB
<input type="checkbox"/> Sigmatel.Audio.Drivers		1.8MB
<input type="checkbox"/> mAudio.Omnistudio.USB	Skip	308KB
<input type="checkbox"/> ADI1980.AC97.Audio	Skip	608KB
<input type="checkbox"/> Ati.SB400.AC97.Audio	Skip	616KB
<input type="checkbox"/> Azalia.Audio	Skip	308KB
<input type="checkbox"/> ConextantHDA	Skip	252KB
<input type="checkbox"/> Soundblaster.USB.Support	Skip	5.1MB
<input checked="" type="checkbox"/> NetworkDrivers		64.0KB
<input type="checkbox"/> Intel.82562EZ.Networking	Skip	2.6MB
<input checked="" type="checkbox"/> RealtekR1000.Driver	Install	64.0KB
<input type="checkbox"/> AtherosAR5004G wireless Driver.	Skip	3.5MB
<input type="checkbox"/> PCGeneric.Realtek8139.Ethernet	Skip	1.0MB
<input type="checkbox"/> Ralink.USB.Wireless		3.4MB
<input type="checkbox"/> 10.4.5.IO80211Family.kext	Skip	3.0MB
<input type="checkbox"/> 10.4.3.IONetworkingFamily.kext	Skip	2.4MB
<input type="checkbox"/> AppleIntel8255x.kext	Skip	1.3MB
<input type="checkbox"/> Via.Rhine.Ethernet		192KB
<input type="checkbox"/> Forcedeth.nForce4.ethernet.driver	Skip	64.0KB
<input type="checkbox"/> Marvell.Gigabit.Ethernet	Skip	636KB
<input type="checkbox"/> Miscellaneous		532KB

screenshot 1

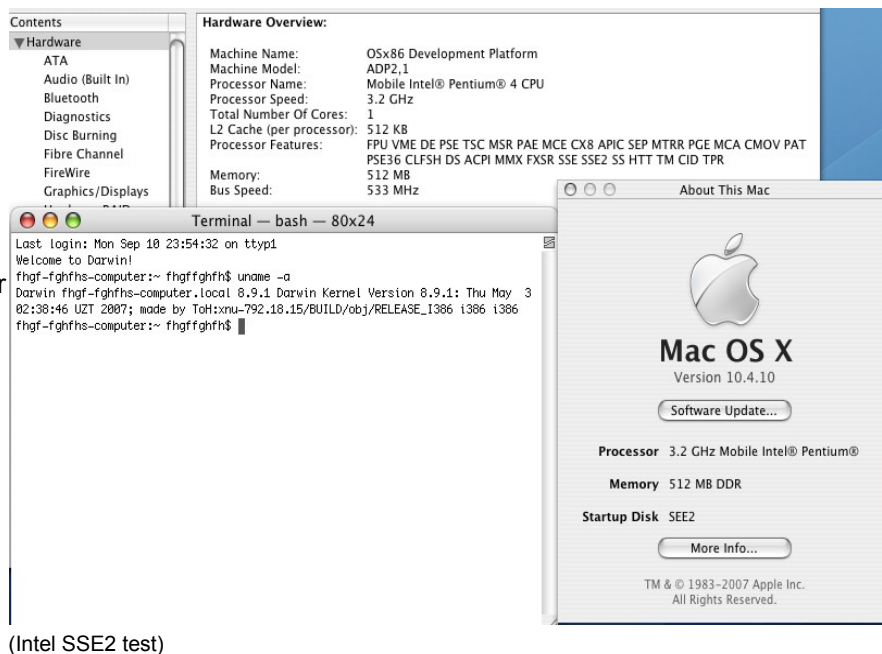
**Screenshot 2, from up to down:** Again, verbose mode patch, CPUmanagement remover and profiler patcher. For this other computer I need to install Natit.Dual driver to support a Nvidia FX5200 AGP card. Then, ADI1980 audio driver and Intel 82532 ethernet driver. This machine is based on a Pentium-4 3,0Ghz (SSE3 prescott core) and a ASUS P4P800-VM (865G, ICH5). The integrated graphic chip is not supported by OSX therefore I've added a Nvidia card to get CI/QE. The rest of the onboard hardware works fine.

Package Name	Action	Size
<input checked="" type="checkbox"/> EssentialSystemSoftware	Install	2.4GB
<input checked="" type="checkbox"/> Intel.SSE3 kernel + essential.10.4.10.Patches	Install	6.1MB
<input type="checkbox"/> 8.10.1.kernel.AMD.SSE3	Skip	4.0MB
▶ <input type="checkbox"/> 8.9.1 kernel Universal + patches.		5.0MB
▶ <input checked="" type="checkbox"/> RecomendatedPatches		9.2MB
▶ <input type="checkbox"/> OptionalKernel/Patches		28.6MB
▶ <input type="checkbox"/> ATA_USB controllers		12.8MB
▼ <input checked="" type="checkbox"/> GraphicDrivers		70.0KB
▶ <input type="checkbox"/> Intel.Integrated.Graphics		1.6MB
▼ <input checked="" type="checkbox"/> nVidia.Support		70.0KB
▶ <input type="checkbox"/> Natit.Dual.v01	Skip	3.5MB
<input checked="" type="checkbox"/> Natit.Dual.v02	Install	70.0KB
▶ <input type="checkbox"/> Apple.10.4.9.NVidia.Kexts	Skip	236KB
▶ <input type="checkbox"/> Titan.Driver	Skip	140KB
▶ <input type="checkbox"/> nVidia.mobility	Skip	128KB
▶ <input type="checkbox"/> ATI.Support		35.6MB
▶ <input type="checkbox"/> AGPGart		5.0MB
▼ <input checked="" type="checkbox"/> AudioDrivers		608KB
▶ <input type="checkbox"/> ALC.Audio.Drivers		5.2MB
▶ <input type="checkbox"/> Sigmatel.Audio.Drivers		1.8MB
▶ <input type="checkbox"/> mAudio.Omnistudio.USB	Skip	308KB
<input checked="" type="checkbox"/> ADI1980.AC97.Audio	Install	608KB
▶ <input type="checkbox"/> Ati.SB400.AC97.Audio	Skip	616KB
▶ <input type="checkbox"/> Azalia.Audio	Skip	308KB
▶ <input type="checkbox"/> ConextantHDA	Skip	252KB
▶ <input type="checkbox"/> Soundblaster.USB.Support	Skip	5.1MB
▼ <input checked="" type="checkbox"/> NetworkDrivers		2.6MB
<input checked="" type="checkbox"/> Intel.82562EZ.Networking	Install	2.6MB
▶ <input type="checkbox"/> RealtekR1000.Driver	Skip	64.0KB
▶ <input type="checkbox"/> AtherosAR5004G.wireless.Driver.	Skip	3.5MB
▶ <input type="checkbox"/> PCGeneric.Realtek8139.Ethernet	Skip	1.0MB
▶ <input type="checkbox"/> Ralink.USB.Wireless		3.4MB
▶ <input type="checkbox"/> 10.4.5.IO80211Family.kext	Skip	3.0MB
▶ <input type="checkbox"/> 10.4.3.IONetworkingFamily.kext	Skip	2.4MB
▶ <input type="checkbox"/> AppleIntel8255x.kext	Skip	1.3MB
▶ <input type="checkbox"/> Via.Rhine.Ethernet		192KB
▶ <input type="checkbox"/> Forcedeth.nForce4.ethernet.driver	Skip	64.0KB
▶ <input type="checkbox"/> Marvell.Gigabit.Ethernet	Skip	636KB
▶ <input type="checkbox"/> Miscellaneous		532KB

screenshot 2

As you can see in most of the cases you would have to choose **just one driver of each kind** and you should be completely certain about what hardware you have. Notice that in both examples I used the default 8.10.1 kernel (no optional kernels are selected) because both CPUs support SSE3 instructions.

Here is a screenshot from a successful installation on a **SSE2 machine**. The output from `uname -a` in the terminal reveal the **kernel version 8.9.1**. Also you can see only SSE2 is listed under Processor Features in the SystemProfiler window.



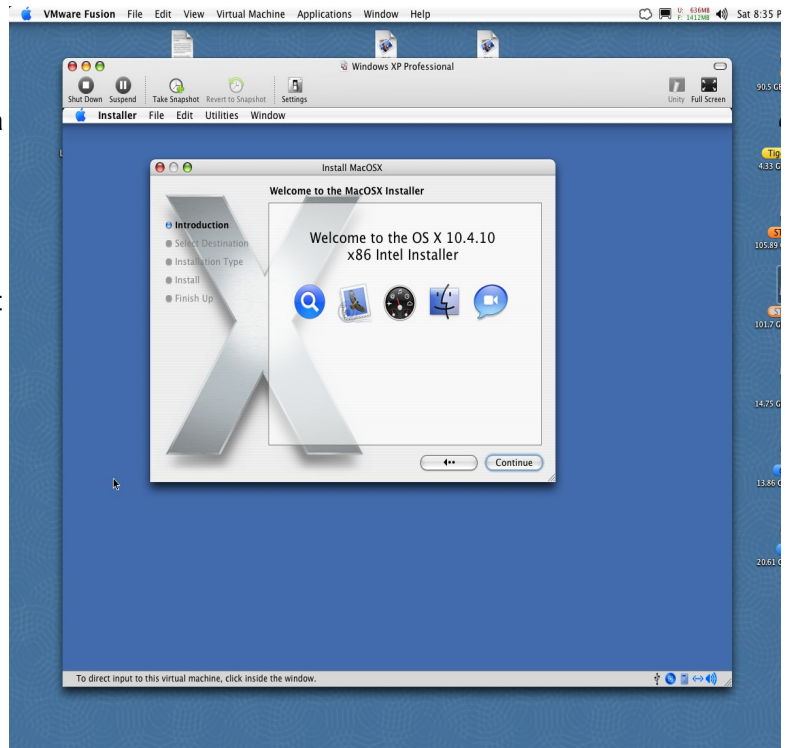
One information you might have gotten is about your motherboard's chipset and HD controller. If that is not supported natively by OSX you will have very slow HD data transfer speeds; or no HD controller support at all, meaning you wont be able to boot neither to install. I've added ICH8/9, JmicronATA and MarvellATA support in the DVD. I Hope it work for you.

Once you've booted to the installer you'll see few HD controller drivers you can use. Even if your controller is supported by a generic apple driver you would get better transfer rates with one of this.

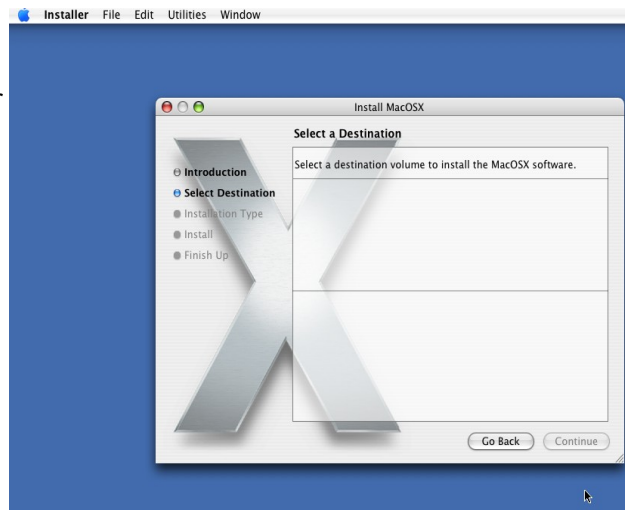
Controller	Size
ATA_USB controllers	12.8MB
<input type="checkbox"/> ICH7-R	Skip 100KB
<input type="checkbox"/> ICH8-R	Skip 772KB
<input type="checkbox"/> ICH8	Skip 916KB
<input type="checkbox"/> Jmicron	Skip 756KB
<input checked="" type="checkbox"/> VIA SATA/ATA	Skip 638KB
<input type="checkbox"/> ATI ATA	Skip 168KB
<input type="checkbox"/> ATI.ATA+IOATAFamily	Skip 168KB
<input type="checkbox"/> nForce SATA	Skip 1.3MB
<input type="checkbox"/> USB	Skip 4.9MB
<input type="checkbox"/> Generic.USB.EHCI.Controller	Skip 3.0MB

Issues with drives controllers not being supported or incompatible IDE configurations are common. If you get the message 'com.apple.boot.plist not found' or 'still waiting for root device' this might be your case. The more straightforward solution is to take your harddisk to another "supported computer" and do the install there.

Another good trick for an incompatible HD controller is installing through VMWare to a real partition. Here is a screenshot from the installer booting in VMWare Fusion under OSX. Nevertheless this very same installer crashes when runned in VMware workstation under windows in a P4 SSE2 machine I've tested. So you see, you must try for yourself. I can not go through the whole VMware process in this pages but I assure you can find the information in the forums.



Another symptom of an unsupported HD controller could be that the installer doesn't show any disk for the installation. Google is your friend.



I've Include many drivers I can not test (most of them) because I do not have the hardware. So use at your own risk. Also is wise to say that there are thousands of hardware/drivers combinations and most of them do not fully work, some of them wont work at all. Probably you would have to install many times until you get to a proper configuration for your machine, but hey, this is for free.

In order to keep the size of the image as small as possible for download I've ripped off all printer drivers, all language packages, and Xcode tools. I didnt add any aplications either. I figure you can download any programs you want to use later.

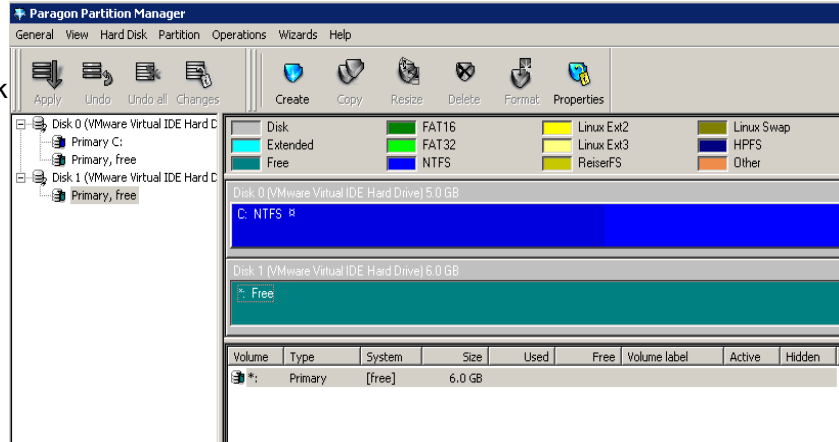
**Repair disk permissions from within Disk Utility in the first boot.**

Good Luck!

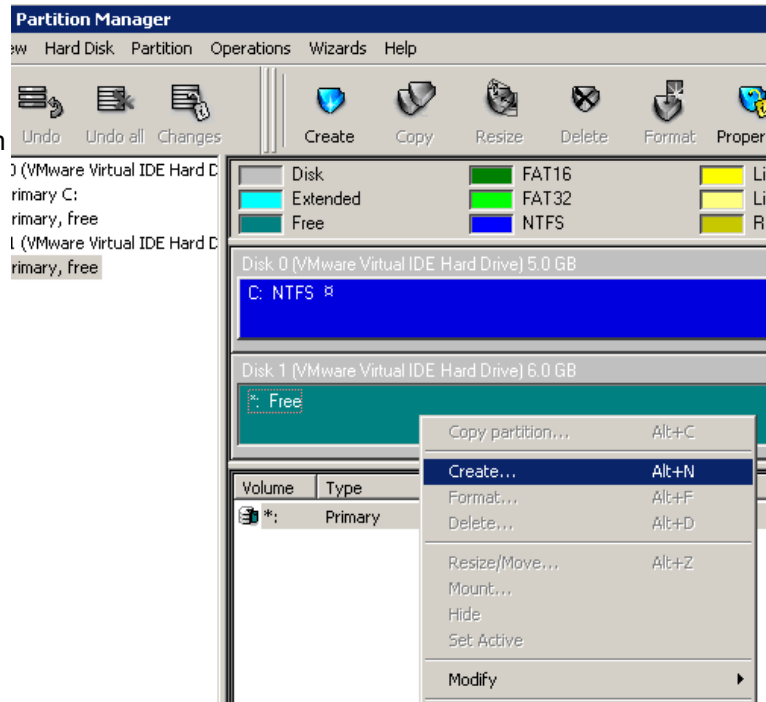
## How to prepare your hard disk

### Within windows XP:

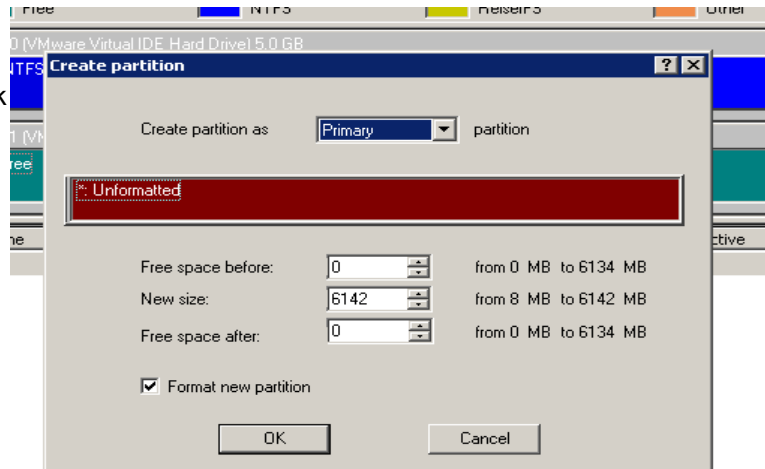
Get Paragon Partition manager, or something like it. It will list your disk and partitions. Select the HD you want to install OSX in.



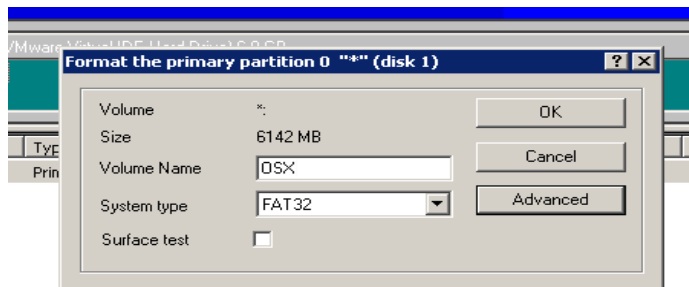
Do right click, and select 'Create' from the contextual menu.



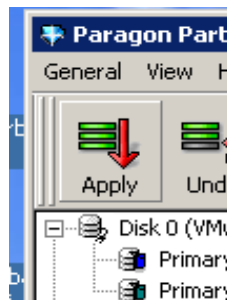
Define the size of your partition, check the 'Format new partition' box and click OK.



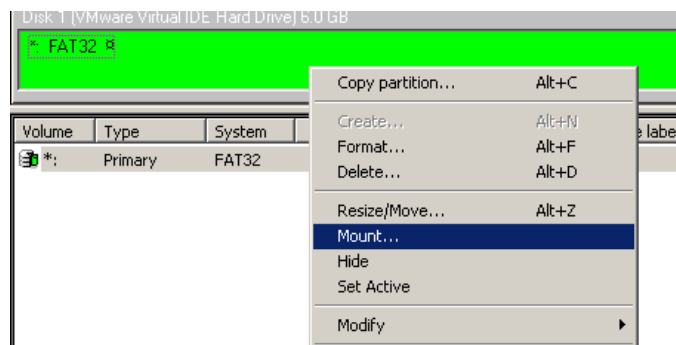
Give the partition a name, select FAT32 as System type and click OK.



Then click the 'Apply' button.



Your new partition is ready. Right click on it, and choose 'Mount'. After the operation is finished. Close the program and shut down windows.



At this point restart your system with the OSX DVD you should have burned already.

If everything went OK you should get to this windows. Select your language and click the arrow.



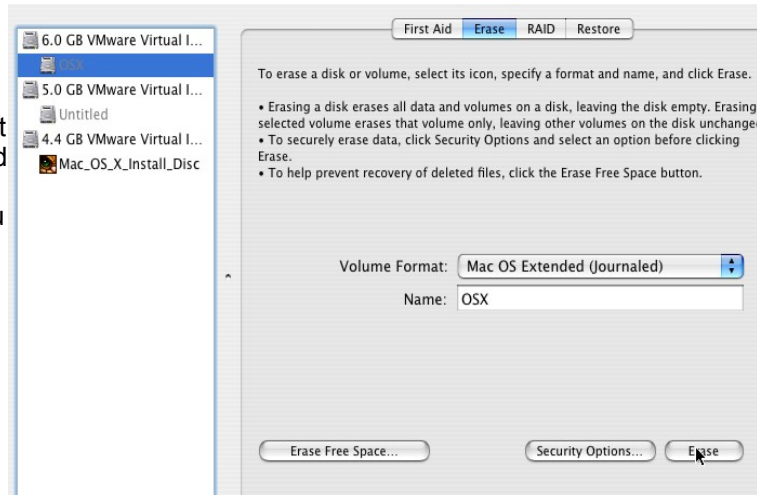
.....wait a little bit...



You would get to this screen. In the menu bar go to Utilities/Disk Utility.

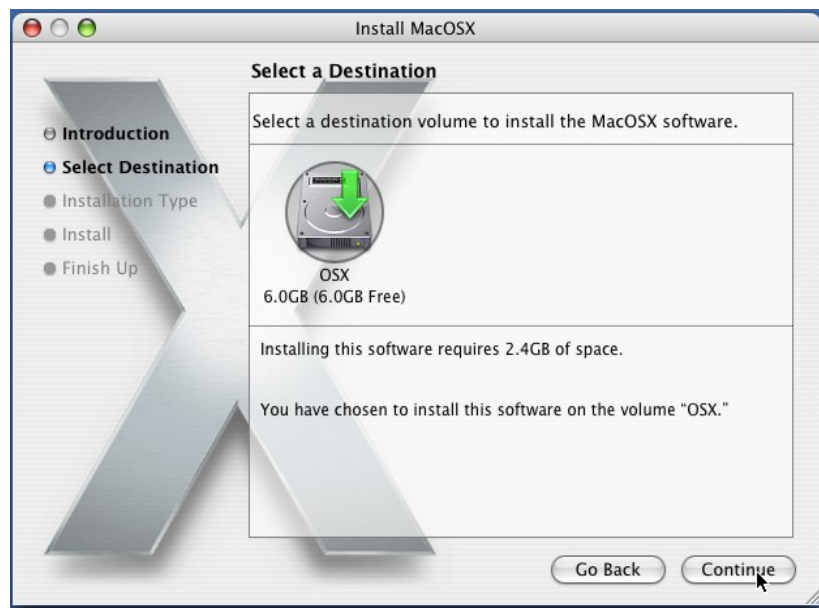


Select the partition you created in windows from the column in the left, select the 'Erase' tab, choose 'Mac OS Extended ( journaled)'" as Volume Format and click the 'Erase' button (lower right corner). You will be asked for a confirmation, click erase.  
A progress bar will appear. Wait a few seconds until is done. Then you can close Disk Utility and you'll be back to the Welcome screen.



Click "Continue"

You'll get to this screen and your partition would be ready to use. Select it and click 'Continue' to go to the Customize menu....



## **Appendix: Alternative method for creating an target OSX partition on windows.**

In windows, with Paragon disk manager, erase the partition you want to install OSX in; dont give any format. Make shure it appears as unpartitioned/free space. Apply changes, close the app.

Go to Start menu/run and type command [enter]. Command line window will open.

type:

>Diskpart [enter]

>List disk [enter] - it lists all disk in your system.

>select disk N [enter] (N=your HD nr. , 0 (zero) if you have only one HD)

>list partition [enter] - it shows the partitions on the selected disk.

>create partition primary id=af [enter] - it will create a partition out of the unpartitioned space.

>list partition [enter] - now the new partition should be listed among the others.

>exit [enter]

now go back to page 3 and follow the instructions. You should be able to erase the partition you just created with DiskUtility (choose the hfs+ extended file system before).