

---

Subject: Upgrade to what

Posted by [Don Wakefield](#) on Sat, 08 Jun 2013 14:13:58 GMT

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My eMac which is limited to Leopard is really showing signs of age and I will be needing to retire it before long. My problem is that I have far too many PPC applications (Quark 8, CS 3 everything, etc) which would be cost prohibited and in the Adobe family impossible to upgrade to current boxed versions. I think, but tell me if I am wrong, that Snow Leopard is the highest OS which will still offer Rosetta, and that would allow me to still take advantage of my existing software.

My question is: What machine version, (iMac or portable) even if it had to dual boot, would both give me the ability to use Rosetta for the old apps and offer the most improved speed and functionality for the future?

Don Wakefield

DTPetc! (DeskTop Productions et cetera!)

Ballwin, Missouri, USA

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Subject: Re: Upgrade to what

Posted by [Alex Sciortino](#) on Sat, 08 Jun 2013 15:31:18 GMT

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I am not sure when they released Lion, but IIRC it was 11'. Any Mac before Lion will do. I would go MBP.

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---

Subject: Re: Upgrade to what

Posted by [Mac User #330250](#) on Sat, 08 Jun 2013 15:43:29 GMT

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---

----- Original message -----

Subject: Upgrade to what

Date: Saturday, 08. June 2013

From: Don Wakefield <[dtpetc@yahoo.com](mailto:dtpetc@yahoo.com)>

To: [g3-5-list@googlegroups.com](mailto:g3-5-list@googlegroups.com)

> My question is: What machine version, (iMac or portable) even if it had to  
> dual boot, would both give me the ability to use Rosetta for the old apps  
> and offer the most improved speed and functionality for the future?

[http://everymac.com/systems/by\\_capability/minimum-macos-supported.html](http://everymac.com/systems/by_capability/minimum-macos-supported.html)

I would think that any Core i5/i7 model will provide enough power for the future.

1) Look for Core i5/i7 iMacs Mid-2010 (there are also Core 2 Duo systems!) if you want an All-in-One Desktop that comes with Mac OS X 10.6.3.

2) All MacBook Pro Mid-2010 are Core i5/i7 and come with Mac OS X 10.6.3.

3) Any Mid-2011 iMac will provide what you want: it comes with Mac OS X 10.6.6 and is Core i5/i7 from the start.

4) So does every Early-2011 MacBook Pro.

There is actually no Mac Mini with Core i4/i5/i7 that goes with Mac OS X 10.6 Snow Leopard... that's quite disappointing!

Anyway, I think the links is what you were looking for. Everymac.com also provides estimated current resale prices for older models, which will give you a hint on how much it's worth (I always had the impression that you get used

Macs for lower prices than Everymac.com listed).  
Good luck!

Cheers,  
Andreas aka Mac User #330250

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---

Subject: Re: Upgrade to what  
Posted by [Bruce Ryan](#) on Sat, 08 Jun 2013 15:49:07 GMT

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Hi Don

From experience I'd look for a Core2Duo machine from 2008 or thereby. Whether you go desktop or laptop is your call. (I guess it will depend on what you can afford and what's available.) But my 2008 17" MacBookPro (2.6 GHz, 4GB RAM, the last of the pre-unibody ones) handled Quark 7 and Adobe CS3 just fine. The motherboard died just after the warranty ran out - and I've seen a few other go this way too. So I'd not be so keen on buying a laptop of that vintage again.

Everymac has a page showing the highest OSes various macs can take ([http://www.everymac.com/systems/by\\_capability/maximum-macos-supported.html](http://www.everymac.com/systems/by_capability/maximum-macos-supported.html)). So maybe look through that and see which form-factor (laptop, desktop, mini, iMac etc) suits you best. Then go for the most recent or most affordable of those?

Other thought - a modern mac will have the best hardware guarantees, and it is possible (though maybe not strictly legal) to make Leopard virtual machines under VirtualBox, running on MountainLion. So you'd have the OS you're used to, running at the speed of an up-to-date bit of hardware. And you'd have the opportunity to buy modern versions of your software as and when you want or can afford to.

Good luck with the upgrade

Bruce

On 8 Jun 2013, at 15:13, Don Wakefield <dtpetc@yahoo.com> wrote:

>  
> My eMac which is limited to Leopard is really showing signs of age and I will be needing to retire it before long. My problem is that I have far too many PPC applications (Quark 8, CS 3 everything, etc) which would be cost prohibited and in the Adobe family impossible to upgrade to current boxed versions. I think, but tell me if I am wrong, that Snow Leopard is the highest OS which will still offer Rosetta, and that would allow me to still take advantage of my existing software.  
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> Don Wakefield  
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Subject: Re: Upgrade to what

Posted by [Mac User #330250](#) on Sat, 08 Jun 2013 15:58:31 GMT

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---

----- Original message -----

Subject: Re: Upgrade to what

Date: Saturday, 08. June 2013

From: Bruce Ryan <[bruce.ryan@me.com](mailto:bruce.ryan@me.com)>

To: [g3-5-list@googlegroups.com](mailto:g3-5-list@googlegroups.com)

> Other thought - a modern mac will have the best hardware guarantees, and it  
> is possible (though maybe not strictly legal) to make Leopard virtual  
> machines under VirtualBox, running on MountainLion. So you'd have the OS  
> you're used to, running at the speed of an up-to-date bit of hardware. And  
> you'd have the opportunity to buy modern versions of your software as and  
> when you want or can afford to.

Actually it is legal. It is legal to run Mac OS X under a real Mac, provided you acquired a license to do so. This means that you have to buy Snow Leopard in addition to the Mac that comes with e.g. Lion or Mountain Lion.

A downgrade-option or some kind of automatic agreement to run Snow Leopard virtually under a newer version of OS X does not exist.

So, what is legal?

- 1) Get a modern Mac with Lion or newer.
- 2) Get Mac OS X 10.6.
- 3) Install it virtually on a Mac. (VirtualBox for example, which is free)
- 4) Run your PowerPC Mac OS X applications on Rosetta of your virtualized Snow Leopard.

BTW, you could also virtually run Leopard or Tiger/Intel for that cause.

FYI starting from Lion it actually IS legal to virtualize it on a Mac as a second free license. So, if you have a Mac that came with Lion, it is legal to virtually install Lion a second time (on the same Mac, inside a Virtual

Machine). But this right did not exist under Snow Leopard and prior versions of OS X.

Cheers,  
Andreas aka Mac User #330250

--  
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---

Subject: Re: Upgrade to what  
Posted by [Bruce Johnson](#) on Sat, 08 Jun 2013 16:18:46 GMT

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On Jun 8, 2013, at 8:43 AM, Mac User #330250 wrote:

- > I would think that any Core i5/i7 model will provide enough power for the
- > future.
- > 1) Look for Core i5/i7 iMacs Mid-2010 (there are also Core 2 Duo systems!) if
- > you want an All-in-One Desktop that comes with Mac OS X 10.6.3.

I'll add an endorsement for the first gen Core i5/i7 systems; my main work system is a quad-core i7 system and it's proven to be a solid machine. They run 10.6 very well, as I did that until late last year when I upgraded to 10.8.

However iirc both Quark 8 and Adobe CS3 are universal binaries, so they 'll run just fine on a Intel mac.

You can use System Info to find any PPC-only apps, see here <<http://tidbits.com/article/12156>>, but if most of your apps are of that vintage, I'd expect a lot of them to be Universal binaries, not PPC-only.

Be aware that there are other considerations; numerous Intel or Universal binary programs may not work for other reasons with 10.7 or 10.8: check here <<http://roaringapps.com/apps:table>> for an enormous compatibility list.

Also, a little more adventurous route could be taken with any modern mac via the info here <<https://discussions.apple.com/thread/4785262?start=0&tst art=0>> Install 10.6 in a Parallels virtual machine so you could use any Mac running 10.7 or 10.8 to run an instance of 10.6 in order to use PPC code.

--

Bruce Johnson

"Wherever you go, there you are" B. Banzai, PhD

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Subject: Re: Upgrade to what

Posted by [Bruce Johnson](#) on Sat, 08 Jun 2013 16:31:32 GMT

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On Jun 8, 2013, at 8:58 AM, Mac User #330250 wrote:

> ----- Original message -----

> Subject: Re: Upgrade to what

> Date: Saturday, 08. June 2013

> From: Bruce Ryan <[bruce.ryan@me.com](mailto:bruce.ryan@me.com)>

> To: [g3-5-list@googlegroups.com](mailto:g3-5-list@googlegroups.com)

>> Other thought - a modern mac will have the best hardware guarantees, and it

>> is possible (though maybe not strictly legal) to make Leopard virtual

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> Actually it is legal. It is legal to run Mac OS X under a real Mac, provided  
> you acquired a license to do so. This means that you have to buy Snow Leopard  
> in addition to the Mac that comes with e.g. Lion or Mountain Lion.

Strictly speaking it is only legal for 10.6 server, or 10.7 and 10.8, per Apple's user license agreements.

Practically, so long as you don't enter into business as a Mac "clone" dealer, Apple doesn't really seem to care; they've taken no action as far as I can tell against any site offering instructions or software to do this unless they're distributing modified copies of OSX, which really isn't necessary any more, and hasn't been for some time.

See this for example <<http://www.kakewalk.se/>>

They even tell you exactly what to buy to maximize ease of installation; but note, they're not selling anything, nor are they pointing to downloads of OSX. I expect the owner of the site is getting a fair bit of kickback from the Amazon links.

--

Bruce Johnson

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Subject: Re: Upgrade to what  
Posted by [Bruce Ryan](#) on Sat, 08 Jun 2013 16:37:26 GMT  
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Hi Andreas

Thank you! This eases my until-now vaguely guilty conscience. I run Leopard and Snow leopard VMs under VirtualBox on my MacPro (which runs MountainLion). The MacPro came with SnowLeopard but I bought upgrades to Lion and then MountainLion via the app store.

I installed the VMs from separately-bought DVDs so I felt free entirely to use the separately-bought installers elsewhere, because I'd be using each installer only once. However, I had read that it wasn't legal to use macOS in virtual setups.

Not that this stopped me - I had bought the license to use the software. So long as I used each installer/licence in only one place at any time, then it felt legitimate to use it wherever I wanted. (Just as if I buy a washing machine, I can install it in whatever room I like.)

End of waffle

Bruce

On 8 Jun 2013, at 16:58, Mac User #330250 <macuser330250@gmx.net> wrote:

> ----- Original message -----  
> Subject: Re: Upgrade to what  
> Date: Saturday, 08. June 2013  
> From: Bruce Ryan <bruce.ryan@me.com>  
> To: g3-5-list@googlegroups.com  
>> Other thought - a modern mac will have the best hardware guarantees, and it  
>> is possible (though maybe not strictly legal) to make Leopard virtual  
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>> you're used to, running at the speed of an up-to-date bit of hardware. And  
>> you'd have the opportunity to buy modern versions of your software as and  
>> when you want or can afford to.  
>  
> Actually it is legal. It is legal to run Mac OS X under a real Mac, provided  
> you acquired a license to do so. This means that you have to buy Snow Leopard  
> in addition to the Mac that comes with e.g. Lion or Mountain Lion.  
>  
> A downgrade-option or some kind of automatic agreement to run Snow Leopard  
> virtually under a newer version of OS X does not exist.  
>  
> So, what is legal?  
> 1) Get a modern Mac with Lion or newer.  
> 2) Get Mac OS X 10.6.  
> 3) Install it virtually on a Mac. (VirtualBox for example, which is free)  
> 4) Run your PowerPC Mac OS X applications on Rosetta of your virtualized Snow

> Leopard.  
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> BTW, you could also virtually run Leopard or Tiger/Intel for that cause.  
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> FYI starting from Lion it actually IS legal to virtualize it on a Mac as a  
> second free license. So, if you have a Mac that came with Lion, it is legal to  
> virtually install Lion a second time (on the same Mac, inside a Virtual  
> Machine). But this right did not exist under Snow Leopard and prior versions  
> of OS X.  
>  
> Cheers,  
> Andreas aka Mac User #330250  
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Subject: Re: Upgrade to what  
Posted by [Mac User #330250](#) on Sat, 08 Jun 2013 17:53:55 GMT  
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----- Original message -----

Subject: Re: Upgrade to what  
Date: Saturday, 08. June 2013  
From: Bruce Johnson <johnson@pharmacy.arizona.edu>  
To: g3-5-list@googlegroups.com  
> On Jun 8, 2013, at 8:58 AM, Mac User #330250 wrote:

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>> Subject: Re: Upgrade to what  
>> Date: Saturday, 08. June 2013  
>> From: Bruce Ryan <bruce.ryan@me.com>  
>> To: g3-5-list@googlegroups.com

>>

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>> provided you acquired a license to do so. This means that you have to  
>> buy Snow Leopard in addition to the Mac that comes with e.g. Lion or  
>> Mountain Lion.

>

> Strictly speaking it is only legal for 10.6 server, or 10.7 and 10.8, per  
> Apple's user license agreements.

First, Apple's license is not in itself 100% legal. They cannot forbid something that is your right by the law. (Actually they can, but then it isn't something to abide).

Second, the license for Mac OS X 10.6 Snow Leopard clearly states, that it can only be installed on a Mac.

So, if you install Snow Leopard in VirtualBox on a Mac, you hereby follow the license. You are however restricted to installing each license only once, i.e. you cannot run Snow Leopard in VirtualBox while running VirtualBox on the same license Snow Leopard itself. That would be illegal.

However, if you have a family license (up to 5 Macs in a household) you could even do that.

> Practically, so long as you you don't enter into business as a Mac "clone"  
> dealer, Apple doesn't really seem to care; they've taken no action as far  
> as I can tell against any site offering instructions or software to do

- > this unless they're distributing modified copies of OSX, which really
- > isn't necessary any more, and hasn't been for some time.

I think what you are referring to is running Mac OS X virtualized inside a VM (like Parallels, Vmware, Virtual PC or VirtualBox) on anything other than a Mac.

That's clearly forbidden by the license. Since 10.7 it is also illegal in Europe... the EULA /used/ /to/ /be/ invalid in this regard, so a customer who bought Mac OS X in the store until 10.6 was legal to install it on any computer no matter what. A "hackintosh" with 10.4/10.5/10.6 may therefor be completely legal in Europe, provided the retail OS was bought.

Since 10.7 OS X can only be downloaded, a customer has to agree to the license BEFORE buying – hereby making this part ("only on a Mac") valid even in Europe.

- > See this for example <<http://www.kakewalk.se/>>

I didn't look at it yet.

- > They even tell you exactly what to buy to maximize ease of installation;
- > but note, they're not selling anything, nor are they pointing to downloads
- > of OSX. I expect the owner of the site is getting a fair bit of kickback
- > from the Amazon links.

I think that's always legal. How to do something that isn't exactly wanted by the company who sell it without providing the means – also called "hacks" – cannot be illegal. I would call it "good journalism"...

Cheers,  
Andreas aka Mac User #330250

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Subject: Re: Upgrade to what  
Posted by [Valter Prahlad](#) on Sun, 09 Jun 2013 16:50:38 GMT  
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Il giorno 08/06/13 16.13, "Don Wakefield" ha scritto:

> My eMac which is limited to Leopard is really showing signs of age and I will  
> be needing to retire it before long. My problem is that I have far too many  
> PPC applications (Quark 8, CS 3 everything, etc) which would be cost  
> prohibited and in the Adobe family impossible to upgrade to current boxed  
> versions. I think, but tell me if I am wrong, that Snow Leopard is the highest  
> OS which will still offer Rosetta, and that would allow me to still take  
> advantage of my existing software.

You're right about Rosetta being "gone" with Lion and after.

> My question is: What machine version, (iMac or portable) even if it had to  
> dual boot, would both give me the ability to use Rosetta for the old apps and  
> offer the most improved speed and functionality for the future?

I'm currently using an Early 2009 iMac 24". I got it after my G5 gave up.

This iMac is a beauty, the screen is gorgeous, it's pretty fast (although the processor is still Core 2 Duo, not i5/i7 yet), and it runs CS3 just fine (3D games like BioShock or Half-Life 2 run beautifully, too).

Previous iMac models had some reliability problem (especially with the faster graphic cards), but I think 2008 models and later are very reliable.

If you don't need the portability of a laptop, the iMac is a better, safer and cheaper way. I just love mine. :-)

i5/i7 processors are of course faster, but if you want to save some dollar, any iMac from 2007-2008 onwards is fine, I think.

BTW, CS3 is Universal.

But this iMac with Snow Leopard runs any PPC software fine, too.

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The list FAQ is at <http://lowendmac.com/lists/g-list.shtml> and our netiquette guide is at <http://www.lowendmac.com/lists/netiquette.shtml>

To post to this group, send email to [g3-5-list@googlegroups.com](mailto:g3-5-list@googlegroups.com)

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Subject: Re: Upgrade to what  
Posted by [Illirik Smirnov](#) on Fri, 21 Jun 2013 23:33:39 GMT  
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I mean, it's not as if the Apple commandos will break down your door if you violate the EULA.

As for what to upgrade to, be on the lookout for Mac Pro 1,1s (from 2006). The dual-dual models are still quite fast, and you can upgrade to dual-quads for about \$100 in eBay CPUs. Craigslist turns these up frequently.

On Jun 21, 2013 4:27 PM, "Mac User #330250" <[macuser330250@gmx.net](mailto:macuser330250@gmx.net)> wrote:

```
> ----- Original message -----
> Subject: Re: Upgrade to what
> Date: Saturday, 08. June 2013
> From: Bruce Johnson <johnson@pharmacy.arizona.edu>
> To: g3-5-list@googlegroups.com
>> On Jun 8, 2013, at 8:58 AM, Mac User #330250 wrote:
>>> ----- Original message -----
>>> Subject: Re: Upgrade to what
>>> Date: Saturday, 08. June 2013
>>> From: Bruce Ryan <bruce.ryan@me.com>
>>> To: g3-5-list@googlegroups.com
>>>
>>>> Other thought - a modern mac will have the best hardware guarantees,
> and
>>>> it is possible (though maybe not strictly legal) to make Leopard
>>>> virtual machines under VirtualBox, running on MountainLion. So you'd
>>>> have the OS you're used to, running at the speed of an up-to-date bit
>>>> of hardware. And you'd have the opportunity to buy modern versions of
>>>> your software as and when you want or can afford to.
>>>
>>> Actually it is legal. It is legal to run Mac OS X under a real Mac,
>>> provided you acquired a license to do so. This means that you have to
>>> buy Snow Leopard in addition to the Mac that comes with e.g. Lion or
>>> Mountain Lion.
>>
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>> Strictly speaking it is only legal for 10.6 server, or 10.7 and 10.8, per  
>> Apple's user license agreements.  
>  
> First, Apple's license is not in itself 100% legal. They cannot forbid  
> something that is your right by the law. (Actually they can, but then it  
> isn't  
> something to abide).  
>  
> Second, the license for Mac OS X 10.6 Snow Leopard clearly states, that it  
> can  
> only be installed on a Mac.  
>  
> So, if you install Snow Leopard in VirtualBox on a Mac, you hereby follow  
> the  
> license. You are however restricted to installing each license only once,  
> i.e.  
> you cannot run Snow Leopard in VirtualBox while running VirtualBox on the  
> same  
> license Snow Leopard itself. That would be illegal.  
>  
> However, if you have a familiy license (up to 5 Macs in a household) you  
> could  
> even do that.  
>  
>> Practically, so long as you you don't enter into business as a Mac  
> "clone"  
>> dealer, Apple doesn't really seem to care; they've taken no action as far  
>> as I can tell against any site offering instructions or software to do  
>> this unless they're distributing modified copies of OSX, which really  
>> isn't necessary any more, and hasn't been for some time.  
>  
> I think what you are referring to is running Mac OS X virtualized inside a  
> VM  
> (like Parallels, Vmware, Virtual PC or VirtualBox) on anything other than a  
> Mac.  
>  
> That's clearly forbidden by the license. Since 10.7 it is also illegal in  
> Europe... the EULA /used/ /to/ /be/ invalid in this regard, so a customer who  
> bought Mac OS X in the store until 10.6 was legal to install it on any  
> computer no matter what. A "hackintosh" with 10.4/10.5/10.6 may therefor be  
> completely legal in Europe, provided the retail OS was bought.  
>  
> Since 10.7 OS X can only be downloaded, a customer has to agree to the  
> license  
> BEFORE buying – hereby making this part ("only on a Mac") valid even in  
> Europe.  
>  
>> See this for example <<http://www.kakewalk.se/>>

>  
> I didn't look at it yet.  
>  
>> They even tell you exactly what to buy to maximize ease of installation;  
>> but note, they're not selling anything, nor are they pointing to  
> downloads  
>> of OSX. I expect the owner of the site is getting a fair bit of kickback  
>> from the Amazon links.  
>  
> I think that's always legal. How to do something that isn't exactly wanted  
> by  
> the company who sell it without providing the means – also called "hacks" –  
> cannot be illegal. I would call it "good journalism"...

>  
> Cheers,  
> Andreas aka Mac User #330250  
>  
> --  
> --  
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> those using G3, G4, and G5 desktop Macs - with a particular focus on Power  
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> For more options, visit this group at  
> <http://groups.google.com/group/g3-5-list>  
>  
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> For more options, visit [https://groups.google.com/groups/opt\\_out](https://groups.google.com/groups/opt_out).  
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For more options, visit this group at <http://groups.google.com/group/g3-5-list>  
  
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