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Subject: Re: Xeon's, Opteron's, 32 vs 64 bit -- Next steps for the GSI batch farm  
Posted by [Christopher Huhn](#) on Wed, 30 Mar 2005 08:35:26 GMT

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Anar Manafov wrote on Tue, 29 March 2005 22:56

The main questions would be

When experiments and software will be ready to use 64b? (With everything comes after it)

When developers will learn to program for 64b? (Because it is far from just switch the compiler option)

The AMD64 Linux kernel can execute i386 binaries, so it's no problem to run your old binaries under a 64bit OS. The only problem is to keep the shared libs for 32bit and 64bit in distinct places.

The current proposed solution for Debian is to install a 32b chroot and run your 32bit only apps in there (like openoffice ...), see

<https://alioth.debian.org/docman/view.php/30192/21/debian-amd64-howto.html>. The desired long term solution is multiarch (see <http://www.linuxbase.org/~taggart/multiarch.html>).

Anar Manafov wrote on Tue, 29 March 2005 22:56

Christopher Huhn wrote on Tue, 29 March 2005 17:26

Anyone interested in testing may contact me or Walter Schön to get access to the boxes.

Thx for the offer! This is very convenient! I' would love to test my stuff.

You already have access to one of the machines (lxts09) for a while?!

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