

# GCC CompileFarm 20100725

- Thanks to GNU Hacker Meeting 2010
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- <http://guerby.org/>

# GCC Compile Farm 1

- Who already has an account?
- Who does not have an account but knew about the farm? Scared to ask or not useful?
- Who didn't know about the farm before GHM 2010?

# GCC Compile Farm 2

- <http://gcc.gnu.org/wiki/CompileFarm>
- Goal: provide easy access to various architectures and build&debug&test machines for free software developers (BSD, MIT, GPLvN, ...)
- **Not limited to GCC.**
- FSF France sponsored (legal entity)  
<http://www.fsffrance.org/>
- Need to be a contributor to get an account

# GCC Compile Farm 3

- We offer no QoS, machine can go down anytime
- No RAID no backup, no warranty for data on farm machines, so scp/rsync/commit all the time
- i686, x86\_64, armv5tel, armv7l (NEON), powerpc, powerpc64, Cell SPE (PS/3), sparc, sparc64, alpha (off), mipsel, mips64el, ia64, hppa
- Mostly Debian, gentoo, ubuntu, \*BSD.

# Hardware Donations

- AMD donated in May 2008 two bi-quad core Barcelona machines. <http://www.amd.com>
- Genesi USA donated 5 Cortex A8 boards in May 2010. <http://www.genesi-usa.com/>
- Note: more available for your project if you register on <http://powerdeveloper.org>
- AMD donated (again) in July 2010 two Magny-Cours 12 core processors, and FSF France sponsored the rest of the machine

# Hardware Donations 2

- Marvell donated an early SheevaPlug prototype
- Individuals donated machines
- Alpha, Sun E4500, E450, Mac Mini G4, Powermac G5, ...
- We try to get machines usable for compilation so 512MB of RAM min
- And interesting for our users, so we sometimes say no because of shipping and hosting costs.

# Hosting Donations

- 1 watt at home is roughly 1 euro per year
- <http://smile.fr> quickly donated hosting when we needed 2U
- INRIA Saclay, ESIEE, FSF France, hackershells.com
- Individuals: Chris from Melbourne and me
- Past: <http://isvtec.com>, [mekensleep.com](http://mekensleep.com), [macaq.org](http://macaq.org), [skyrock.com](http://skyrock.com)

# Hosting Donations 2

- Thanks to openvpn you can host at home or work without opening incoming ports
- Of course a full public IP is better
- This doesn't have to be in France, so you can ask your boss anywhere
- Best effort so no QoS, you can unplug at any time



# Conclusion

- Questions?