Subject: Debian repository up and running
Posted by dolik.rce on Thu, 21 Jan 2010 13:56:39 GMT
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Hello all!

As I promised on the meeting last week, I've started to investigate the possibilities of using launchpad.net to build debian/ubuntu packages. Today, after several unsuccessful attempts, I finally got it right. For anyone interested, here is a link with instruction how to add the repository to your system: https://launchpad.net/~dolik-rce/+archive/upp/. Amd64 and i386 architectures are supported.

For now my approach is partly manual, but in next days I'll automate it in a nice, simple script (hopefully nice&simple). I'm packaging the nightly X11 build, in the repo is now revision 1875. It should behave exactly the same way as the amd64 debs produced in nightly builds and Koldos i386 packages published on sourceforge (the script is almost identical). If you try it, please let me know about any unexpected behavior.

The next step should be to integrate this script into upp server infrastructure so it all works automatically (if Mirek agrees). The only question is if the repository should contain stable releases or nightly builds. What's your opinion? Or should we have upp and upp-nightly repositories?

Best regards,
Honza

EDIT: Fixed typos

Subject: Re: Debian repository up and running
Posted by andrei_natanael on Thu, 21 Jan 2010 15:13:11 GMT
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dolik.rce wrote on Thu, 21 January 2010 15:56If you try it, please let me know about any unexpected behavior.
[...]
The only question is if the repository should contain stable releases or nightly builds. What's your opinion? Or should we have upp and upp-nightly repositories?

Hello Honza,
You done a good job. Though i have a small problem with your ppa:
[...]
Hit http://ppa.launchpad.net karmic Release
Ign http://ppa.launchpad.net karmic/main Packages
Hit http://ppa.launchpad.net karmic/main Packages
Ign http://ppa.launchpad.net karmic/main Packages
Err http://ppa.launchpad.net karmic/main Packages

404 Not Found
W: Failed to fetch
http://ppa.launchpad.net/dolik-rce/upp/ubuntu/dists/karmic/main/binary-amd64/Packages.gz 404
Not Found

E: Some index files failed to download, they have been ignored, or old ones used instead.

With U++ i don't know what stable and nightly-builds means the difference is just the time when they get released because there isn't the repository frozen for a release or a tag created for it so technically until now we had only one stable release 2008.1 but since all upp releases (even nightly build) are considered stable we're having stable releases under different names upp and upp-nightly. Seems that nightly builds from GoogleCode have attention (based on downloads statistics), 1024 stable from sf.net has been released before 1875 from googlecode.com but 1875 got more downloads than stable version, so i might say based on that we definitely have to create a ppa for nightly or to drop nightly builds and release stable packages more often and advertise them a bit. The problem is that we should keep also sf.net and/or googlecode.com because launchpad only support deb packages or gzipped sources.
I think that we should have deb packages in launchpad and other packages in sourceforge and you may sync your launchpad releases with Koldo releases from sourceforge, in that way we support both deb and rpm.

To summarize everything:
launchpad.net: upp and upp-nightly (deb)
sourceforge.net: upp (rpm)
googlecode.com (only svn mirror)

Andrei

Subject: Re: Debian repository up and running
Posted by mirek on Thu, 21 Jan 2010 15:41:20 GMT
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Right now, stable releases are equivalent of some nightly build.

Packages that are not part of such nightly builds are (or should be) created based on src package.

Mirek

Subject: Re: Debian repository up and running
Posted by dolik.rce on Thu, 21 Jan 2010 16:18:04 GMT
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Hi Andrei!
andrei_natanael wrote on Thu, 21 January 2010 16:13Hello Honza,

You done a good job. Though i have a small problem with your ppa:
[...]
Hit http://ppa.launchpad.net karmic Release
Ign http://ppa.launchpad.net karmic/main Packages
Hit http://ppa.launchpad.net karmic/main Packages
Ign http://ppa.launchpad.net karmic/main Packages
Err http://ppa.launchpad.net karmic/main Packages
  404 Not Found
W: Failed to fetch
http://ppa.launchpad.net/dolik-rce/upp/ubuntu/dists/karmic/main/binary-amd64/Packages.gz 404
Not Found

E: Some index files failed to download, they have been ignored, or old ones used instead.

Sorry I forgot to mention this... There is only repository for Ubuntu Lucid Lynx now. It's not a problem the package will work in any of the ubuntu versions (and in debian as well). Just change the corresponding line in your /etc/apt/sources.list to say lucid instead of karmic. I'll have a look if it's possible to make the repo universal...

andrei_natanael wrote on Thu, 21 January 2010 16:13With U++ i don't know what stable and nightly-builds means the difference is just the time when they get released because there isn't the repository frozen for a release or a tag created for it so technically until now we had only one stable release 2008.1 but since all upp releases (even nightly build) are considered stable we're having stable releases under different names upp and upp-nightly.
Well, the difference would be in the frequency of updates. On slower machines (like mine) it could be pretty inconvenient to rebuild the core packages everyday, because the code got updated. With stable releases, this would happen only once every few weeks. On the other hand, with upp-nightly user could install the newest nightly build and than mark the package "hold", to stop the updates until next time he wants to update. But that needs some knowledge, that not

it'll be just one more call of the same script...

Best regards,
Honza

Subject: Re: Debian repository up and running
Posted by dolik.rce on Thu, 21 Jan 2010 18:15:40 GMT
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dolik.rce wrote on Thu, 21 January 2010 17:18Sorry I forgot to mention this... There is only repository for Ubuntu Lucid Lynx now. It's not a problem the package will work in any of the ubuntu versions (and in debian as well). Just change the corresponding line in your /etc/apt/sources.list to say lucid instead of karmic. I'll have a look if it's possible to make the repo universal...

I'm sorry, but I was lying here It actually does matter what ubuntu version it is built for. Lucid has newer version of libc, so it doesn't work on karmic. Thanks to Andrei for pointing this out. I've

added karmic builds to the repository now. Should I also add some older? Theoretically we can go

is necessary

Best regards,
Honza

Subject: Re: Debian repository up and running
Posted by mr_ped on Thu, 21 Jan 2010 20:58:57 GMT
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I'm on Hardy Heron (8.04). After the support ends, I'm by 60% "sure" I will switch to Debian.

Subject: Re: Debian repository up and running
Posted by mr_ped on Thu, 21 Jan 2010 21:03:53 GMT
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Anyway, on more important note... how does this relate to "Quickly"? I think it should help with the part of template which is responsible for building quickly template in PPA, otherwise probably not related at all.

Honza: please, focus on finishing this PPA building to be in top shape, this is IMHO the way how to get into universe later, don't worry about Quickly right now.

I also think both "stable" and nightly would be good, because it may be annoying to have new updates way too often. I think nightly PPA should be recommended only to people who are sure they want it, but by default I would recommend "stable" releases which are less frequent, and in case we get some bad flux of new users in forums suddenly, it's more likely we will know which version they have problems with.

Subject: Re: Debian repository up and running
Posted by dolik.rce on Thu, 21 Jan 2010 22:10:21 GMT
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mr_ped wrote on Thu, 21 January 2010 22:03Anyway, on more important note... how does this relate to "Quickly"?
Not at all I mentioned Quickly in different thread, not here.

About debian: I would like to support it too. Not sure if it's possible through launchpad, probably not. I'll look at that once ubuntu is covered

Regards,
Honza

Subject: Re: Debian repository up and running
Posted by dolik.rce on Sun, 24 Jan 2010 10:24:43 GMT
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Hi,
I just uploaded new packages (release 1924) to launchpad. Targeted lucid, karmic, jaunty and hardy for mr_ped They will become available sometime in next 24 hours. Unfortunately sometimes there is not enough compiling machines, the i386 queue is now about 22 hours long :/

I am still working on automating the script...

Regards,
Honza

EDIT: Just found there was a mistake in all the packages, they will fail to build I'll try to do it better tomorrow.
Note for myself: Packaging should NOT be done manualy, it's too error prone

Subject: Re: Debian repository up and running
Posted by mr_ped on Sun, 24 Jan 2010 12:59:49 GMT
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Yep, that's the reason why a very reliably high quality automated script has to be done.
Maybe it would be good also to write some documentation explaining how the process works, and which debian/ubuntu rules are followed, etc... so in the future it will be easier to fix it in case of some major changes.

Anyway, thank you so far for the great job, I hope you will make it to finish successfully. Also if you are struggling with something, let us know here, maybe somebody will take a look too and help. (I'm not core dev, but I believe a quality .deb is very important for U++ now, so it has at least some chance to make it into officials repos later).

Subject: Re: Debian repository up and running
Posted by dolik.rce on Wed, 10 Feb 2010 06:28:46 GMT
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Hello all!

Good news! The build script is almost ready. In the repository mentioned above is now full set of 14 debian packages for 5 ubuntu flavours (hardy to lucid) and 3 architectures (amd64,i386,lpia). Please test them and report any unusual behaviour.

There is only two minor glitches (of which I'm aware at the moment) that have to be fixed, so I hope I can incorporate this into U++ infrastructure soon.

Best regards,

Honza

Subject: Re: Debian repository up and running
Posted by koldo on Thu, 11 Feb 2010 23:41:53 GMT
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Hello Honza

The upp_2042~ppa1~jaunty1_i386.deb file has worked well for me.

I have tested it in a clean Ubuntu 9.04. It has installed all dependencies including compilers and libraries.

I did not realized until now that the package name is "upp" instead of "ultimate", "ultimate++", "ultimatepp", "u++" or "theide"

Subject: Re: Debian repository up and running
Posted by dolik.rce on Thu, 11 Feb 2010 23:59:32 GMT
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Hi Koldo,
koldo wrote on Fri, 12 February 2010 00:41The upp_2042~ppa1~jaunty1_i386.deb file has worked well for me.

I have tested it in a clean Ubuntu 9.04. It has installed all dependencies including compilers and libraries.
Glad to hear that! Thanks for testing.

koldo wrote on Fri, 12 February 2010 00:41I did not realized until now that the package name is "upp" instead of "ultimate", "ultimate++", "ultimatepp", "u++" or "theide"
Well that is just for testing purposes. No problem to change to almost anything else. Here "almost" means anything without underscores and maybe some weird characters and not "u++" (since it already exists in Debian). Something with ultimate would be probably better. Let's open the discussion

Best regards,
Honza

Subject: Re: Debian repository up and running
Posted by dolik.rce on Fri, 12 Feb 2010 00:11:43 GMT
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dolik.rce wrote on Wed, 10 February 2010 07:28There is only two minor glitches (of which I'm

aware at the moment) that have to be fixed, so I hope I can incorporate this into U++ infrastructure soon.
Both problems solved. First was getting the Makefiles compatible with dpkg-buildpackage. The fix actually makes them more standard, and I'll upload it to svn tonight. Second problem was how to make the script to sign the packages non-interactively, while not compromising the security. The solution was easier than I expected, just a simple wrapper script.

So everything is ready to start incorporating it in the uppbox. Be patient, it will take a few days, I have to solve the little detais with Mirek. And also a bit more of testing won't hurt

Best regards,
Honza

PS: Version 2057 is compiled and ready in the repository

Subject: Re: Debian repository up and running
Posted by mr_ped on Wed, 24 Feb 2010 07:51:27 GMT
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Shouldn't you contact Christoph from here: https://bugs.launchpad.net/ubuntu/+bug/456359 and discuss the newest changes and improvements? Maybe he would be helpful with review of your current .deb builds and verify they are suitable for universe repository, eventually improving his own builds as well.
I think this may help a tiny bit to move further toward inclusion.

And I should finally test your repo on all my kubuntu machines (I have 2x (real+virtual box) 9.10 and one 8.04)

Christoph has also account here in upp forums:
http://www.ultimatepp.org/forum/index.php?t=msg&th=4717& amp;start=0
http://www.ultimatepp.org/forum/index.php?t=usrinfo&id=8 27

And I wonder what to do about that launchpad "bug", if you should report your ppa there or it's irrelevant, maybe he will know better, what to do now and where to push.

Subject: Re: Debian repository up and running
Posted by dolik.rce on Wed, 24 Feb 2010 14:20:57 GMT
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mr_ped wrote on Wed, 24 February 2010 08:51Shouldn't you contact Christoph from here: https://bugs.launchpad.net/ubuntu/+bug/456359 and discuss the newest changes and improvements? Maybe he would be helpful with review of your current .deb builds and verify they are suitable for universe repository, eventually improving his own builds as well.
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http://www.ultimatepp.org/forum/index.php?t=usrinfo&id=8 27

And I wonder what to do about that launchpad "bug", if you should report your ppa there or it's irrelevant, maybe he will know better, what to do now and where to push.

Hi,
I will get in touch with Christopher in few days if we see that the builds are stable and working.

I think I should post notification about the PPA in bugtracker... There is a high chance someone will notice it and that should give us some feedback on what to improve to get into ubuntu.

On the other hand, I would prefer to get U++ into Debian first. There is less formalities and adopting Debian package into ubuntu later is relatively easy. I will try to contact someone on Debian mentors mailing-list soon, perhaps after talking to Christopher.

Regards,
Honza

Subject: Re: Debian repository up and running
Posted by andrei_natanael on Wed, 24 Feb 2010 14:28:09 GMT
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Hi Honza,
I've tested your packages from upp-nightly for Ubuntu 9.10 64bit and everything is ok.

Andrei

Subject: Re: Debian repository up and running
Posted by dolik.rce on Thu, 18 Mar 2010 11:36:14 GMT
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Hello everyone who uses ubuntu based OS!

We finally fixed all the problems and nightly .deb builds are now working. So if you wish to have a fresh sources and theide every night, just add ppa:dolik-rce/upp-nightly to your system's Software Sources (see detailed how-to).

Just to remind: If you want only stable releases (about every 2 weeks), the procedure is the same, just use ppa:dolik-rce/upp.

Best regards,
Honza

PS: To Mirek: If you grant me access to uppweb, I will put this information in the Download page. Or should I just send you the tpp?

Subject: Re: Debian repository up and running
Posted by dolik.rce on Sat, 09 Oct 2010 10:44:10 GMT
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Hello all,

Just a little announcement: Starting from today, the PPA on launchpad will contain also packages for Ubuntu 10.10 Maverick Meerkat, which is being released tomorrow.

Best regards,
Honza

Subject: Re: Debian repository up and running
Posted by dolik.rce on Mon, 07 Mar 2011 08:00:14 GMT
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Hello everyone,

Just a little announcement: Starting from today, the packages for Ubuntu 11.4 Natty Narwhal (which should be released some time next month) are being available in our PPA on launchpad.

Best regards,
Honza

Subject: Re: Debian repository up and running
Posted by Tom1 on Thu, 28 Apr 2011 10:10:25 GMT
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Hi Honza,

I just upgraded to the freshly released Natty/amd64+i386 and noticed that the PPA builds for the latest stable release 3211 is not available for natty... Do you have plans to put it there? (I have too slow connection or too little patience to hook up with the nightly builds...

Best regards,

Tom

Subject: Re: Debian repository up and running
Posted by dolik.rce on Thu, 28 Apr 2011 12:02:38 GMT
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Tom1 wrote on Thu, 28 April 2011 12:10Hi Honza,

I just upgraded to the freshly released Natty/amd64+i386 and noticed that the PPA builds for the latest stable release 3211 is not available for natty... Do you have plans to put it there? (I have too slow connection or too little patience to hook up with the nightly builds...

Best regards,

Tom
Hi Tom,

IIRC Natty wasn't released yet at the time when 3211 was uploaded which is the reason why it is missing. You are right that it would make sense to put it up there. I'll try to do it today or tomorrow (as time permits...).

Another solution for you would be to install latest nightly build manuall and then remove nightly PPA and add stable. It would keep the packages at the installed version until next stable release comes out, no additional work for you

Best regards,
Honza

Subject: Re: Debian repository up and running
Posted by Tom1 on Thu, 28 Apr 2011 12:53:28 GMT
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Thanks Honza,

I followed your suggestion and installed the nightly build for now and then removed the PPA.

Best regards,

Tom

Subject: Re: Debian repository up and running
Posted by dolik.rce on Mon, 02 May 2011 19:49:01 GMT
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Package of release 3211 for Natty is now available in the stable PPA.

Honza