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Enabling EPEL as the 3rd Party Repo Over Dag?

I want to **consider** what is needed to allow EPEL to be the 3rd party repository for gLite Software. Up to now DAG has always been the recommendation. For various reasons EPEL may well now be a better choice.

I am only considering CentOS 5 here and not CentOS 4.

Plan

- Install CentOS 5.
- Update CentOS
- Attempt to install a gLite UI or another gLite node with no extra repositories.
- Record the missing dependencies.
- Check if they are in EPEL already.
- Mark those available.
- Contribute the remaining to EPEL.

gLite Missing Packages

So far I have only got a list of dependencies from a gLite UI, LFC_mqsql, DPM_mysql

✓ log4cpp

Is not available in EPEL but is available in Fedora.

Sep 10th 2009

Checked HEAD of package builds on EL4 and 5 and it does. Sent formal request to maintainer to branch for .el4 and 5.

Sep 23rd 2009

No response from maintainer so I have taken on ownership of log4cpp in EL4 and 5 branch request

Sep 24th 2009

Now built for EL5 (and EL4) and in testing.

Oct 19th 2009

log4cpp now released. Latest version

✓ log4c

Dec 7th

log4c is in fedora , CVS, but not in EPEL.

Dec 7th

I've sent a formal mail to the owner today requesting and EPEL build. He has a week to respond or else I can just branch and build it myself. I tested this morning and it builds without modification on .el4 and .el5.

Dec 14th

Given up waiting and have now made cvs request to own log4c in EPEL.

Jan 12th

Now completely released to EPEL4 and 5.

✓ SOAPPy

This is available as SOAPpy-0.11.6-5.el5 already in EPEL.

✔ **libtar**

Is not available in EPEL but is [available](#) in Fedora.

Sep 10th 2009

Checked HEAD of package builds on EL4 and 5 and it does. Sent formal request to maintainer to branch for .el4 and 5

Sep 11th 2009

Maintainer of libtar responded that he would create a EL4/5 version.

Sep 28th 2009

Maintainer has now moved to EPEL testing [testing](#).

Oct 19th 2009

libtar now released. Latest version [version](#)

✔ **perl-Authen-SASL**

Sep 28th 2009

In EPEL5 at version 2.10-1.el5.1, Current SRPM version [version](#)

✔ **perl-Compress-Raw-Bzip2**

Sep 28th 2009

In epel5 at 2.005-5.el5, current SRPM version [version](#).

✔ **perl-Compress-Raw-Zlib**

Sep 28th 2009

In epel5 at 2.020-1.el5, current SRPM version [version](#)

✔ **perl-Convert-ASN1**

Sep 28th 2009

In RHEL 5.3 at least.

✔ **perl-Crypt-SSLeay**

Sep 28th 2009

In RHEL 5.3 at least.

✔ **perl-DDB-mysql**

Sep 28th 2009

In RHEL 5.3 at least.

✔ **perl-DBI**

Sep 28th 2009

In RHEL 5.3 at least.

☑ **perl-DateManip**

Sep 28th 2009

In RHEL 5.3 at least.

☑ **perl-Digest-SHA1**

Sep 28th 2009

In RHEL 5.3 at least.

☑ **perl-Email-Date-Format**

Sep 28th 2009

If Fedora not in EPEL

Sep 28th 2009

Mail sent to Fedora maintainer to request an EPEL build.

Oct 29th 2009

Now available in testing [☞](#).

Nov 1st 2009

In fact not needed , only needed since we pull in a a different **perl-MIME-Lite** from Dag that does use it.

☑ **perl-GSSAPI**

Sep 28th 2009

In epel5 at 0.24-2.el5, current SRPM version [☞](#)

☑ **perl-HTML-Parser**

Sep 28th 2009

In RHEL 5.3 at least.

☑ **perl-HTML-Tagset**

Sep 28th 2009

In RHEL 5.3 at least.

☑ **perl-IO-Compress**

Sep 28th 2009

Not in EPEL or Fedora.

Nov 1st 2009

This is just not needed. **perl-libwww-perl** requires **perl(Compress::Zlib)**. As dag is enabled this pulls in **perl-IO-Compress** but in reality Centos5 contains perl-Compress-Zlib allready which also supplies **perl(Compress::Zlib)** in a perfectly good way.

☑ **perl-IO-Socket-SSL**

Sep 28th 2009

In RHEL 5.3 at least.

☑ **perl-MIME-Lite**

Sep 28th 2009

In EPEL as 3.01-5.el5, current SRPM version [☑](#)

☑ **perl-Net-Daemon**

Sep 28th 2009

In EPEL as 0.44-7.el, current SRPM version [☑](#).

☑ **perl-Net-Jabber**

Sep 28th 2009

In EPEL as 2.0-10.el5, current SRPM version [☑](#).

☑ **perl-Net-SSLeay**

Sep 28th 2009

In RHEL 5.3 at least.

☑ **perl-Net-PIRPC**

Sep 28th 2009

In Fedora not in EPEL.

Sep 28th 2009

Builds fine on .el4 and .el5 in mock. Belongs to CW in Fedora, saving them up for him.

Nov 1st 2009

This is not needed. Its pulled in by the dag version of perl-DBI. It is not needed by the real redhat version of perl-DBI.

☑ **perl-Net-XMPP**

Sep 28th 2009

In EPEL as 1.02-6.el5, current SRPM version [☑](#)

☑ **perl-TermReadKey**

Sep 28th 2009

In EPEL as 2.30-4.el5, current SRPM version [☑](#)

☑ **perl-SOAP-Lite**

Sep 28th 2009

In EPEL as 0.710.07-2.el5, current SRPM version [☑](#).

☑ **perl-XML-Namespacesupport**

Sep 28th 2009

In RHEL 5.3 at least.

✔ **perl-XML-Parser**

Sep 28th 2009

In RHEL 5.3 at least.

✔ **perl-XML-RegExp**

Sep 28th 2009

In epel 5 at 0.03-2.el5, Current SRPM version [↗](#)

✔ **perl-XML-SAX**

Sep 28th 2009

In RHEL 5.3 at least.

✔ **perl-XML-DOM**

Sep 28th 2009

In epel 5 at 1.44-2.el5, Current SRPM version [↗](#)

✔ **perl-XML-SAX**

Sep 28th 2009

In RHEL 5.3 at least.

✔ **perl-XML-Stream**

Sep 28th 2009

In epel 5 at 1.22-10.el5 , Current SRPM version [↗](#)

✔ **perl-version**

Sep 28th 2009

In epel 5 at 1:0.7203-1.el5 , Current SRPM version [↗](#)

✔ **python-fpconst**

Sep 28th 2009

In epel5 SRPM version [↗](#)

✔ **python-soap**

Sep 28th 2009

Not epel5 or fedora. Despite being on the glite release page [↗](#) this package appears to be dead and is now possibly SOAPpy. Need to check.

Oct 16th 2009

So it seems yes dag's **python-soap** is the same as epel's **SOAPpy**. Looking at the UI at least then enabling EPEL instead of DAG is just fine since the only thing using this is **glite-wms-wmproxy-api-python** and that has anyway **SOAPpy >= 0.11.6** and this is satisfied by either dag's **python-soap** or EPEL's **SOAPpy** of course so this is an easy transition to the correct package name in fact with no work or rebuilding to be done.

Non external gLite packages that should be external.

The gLite repositories maintain software that is not produced by gLite. Much of it is far better to live in the external package space.

☑ torque

Something I should have done a long time ago:

Nov 27th 2009

Sent a formal mail to own torque in EPEL. This bug [?](#) has been there for quite some time. Bizarrely EPEL may end up being massively newer than Fedora rawhide.

Dec 2nd 2009

Now have requested CVS branch [?](#) for EPEL.

Jan 12th 2010

Now available in testing repos for EPEL4 and 5.

Feb 20th 2010

Now released.

☑ python-ZSI

Oct 4th 2009

In Fedora not in EPEL, builds just fine in EPEL so make a request to owner.

Oct 4th 2009

Mail sent to Fedora maintainer to make the request.

Oct 16th 2009

No response, sent a reminder, will branch myself in the next few days.

Oct 19th 2009

Realized there is a second maintainer of python-EPEL. Sent an official request to him.

Oct 26th 2009

I've now forced ownership of the EL4 and 5 branch [?](#) myself to allow me to add it.

Oct 26th 2009

Package submitting and into testing phase [?](#).

Oct 27th 2009

Now available for testing [?](#).

Nov 13th 2009

Now released to EPEL5, latest version [?](#).

SA1 Nagios Missing Packages

Dropping Dag for the SA1 nagios install and following packages are missing after enabling EPEL.

☑ perl-Crypt-OpenSSL-X509

Jan 22 2009

In Fedora not in EPEL.

Oct 20 2010

At my request maintainer has added to EPEL.

☑ perl-Nagios-Plugins

In Fedora, currently in EPEL testing [?](#) so should arrive shortly.

Sep 29th 2009

Package now added to EPEL 5, current version [↗](#).

☑ **perl-IPC-DirQueue**

Sep 24th 2009

Not in EPEL or Fedora. Now submitted [↗](#). \$ **Oct 26th 2009** Now available in EPEL latest version [↗](#).

☑ **perl-POE**

Sep 24th 2009

Not in EPEL but in Fedora cvs [↗](#).

Nov 28th 2009

Submitted an EPEL5 build for review [↗](#).

Dec 2009

Now released in EPEL5.

Add perl-POE-Test-Loops, perl-Curses and perl-Event below

☑ **perl-POE-Test-Loops**

Sep 23rd 2009

Not in EPEL, in Fedora [↗](#)

Nov 28th 2009

Request made to become maintainer.

Dec 2009

Now released in EPEL5.

☑ **perl-Curses**

Sep 23rd 2009

Not in EPEL, in Fedora [↗](#)

Sep 23rd 2009

Request sent to maintainer to add to EPEL.

Sep 29th 2009

Maintainer offered the package to me to become maintainer. request made [↗](#).

Sep 30th 2009

Now submitted for a minimum two week testing period [↗](#).

Oct 25th 2009

Now released. Latest version [↗](#).

☑ **perl-Event**

Sep 23rd 2009

Not in EPEL, in Fedora [↗](#)

Nov 13th 2009

I am now owner of perl-Event for EPEL4&5. Now in <https://admin.fedoraproject.org/updates/perl-Event> [↗](#).

Nov 18th 2009

Now available in testing [↗](#).

Dec 2nd 2009

Now released to EPEL: latest version [↗](#).

✔ nagios-nsca

Is called nsca only in EPEL

✔ perl-Socket6

Sep 24th 2009

In CVS [?](#) but apparently not built, need to check.

- perl-Socket6 is now part of RHEL5.3 but at a slightly lower version to dag. Its new enough though so we can just lower the version in the egee-NAGIOS package and be okay.

✔ perl-Math-Calc-Units

Currently in EPEL testing [?](#) so should arrive shortly.

Sep 29th 2009

Package now added to EPEL 5, current version [?](#).

SA1 Nagios Extra Packages

Certain packages are currently provided by the SA1 repositories but since of general use to lots of other people their life is better spent in EPEL.

✔ stomppy

Sep 30th 2009

Submitted for review [?](#).

Oct 3rd 2009

Now in testing [?](#) for current F11 and all future Fedoras. Can't be added to EPEL till python-ssl below makes to to EPEL.

Nov 8th 2009

Now available in testing [?](#)

Nov 27th 2009

It's now released for EPEL 4&5. Latest version [?](#).

✔ python-ssl

Oct 3rd 2009

Submitted for review [?](#).

Oct 13th 2009

Approved [?](#), just a matter of time now before release.

Oct 15th 2009

Now available for testing [?](#).

Nov 8th 2009

Now released within EPEL. Latest version [?](#).

✔ perl-Nagios-NSCA

Sep 23rd 2009

Submitted for review [?](#).

Oct 26th 2009

Now in testing phase [↗](#).

Nov 16th 2009

Now released to EPEL5, latest version [↗](#).

✔ **json_simple**

Oct 15th 2009

Approved for inclusion [↗](#).

Oct 18th 2009

Now in testing [↗](#).

Nov 6th 2009

Now released Latest release [↗](#).

SA2 Dependencies

There are some packages that SA2 require neither in dag or epel. Adding them to EPEL will give them one less thing to worry about.

✔ **perl-HTTP-Daemon-SSL**

Nov 24th

Package now submitted for review [↗](#).

Dec 20th

Now released to Fedora and EPEL5.

-- SteveTraylen - 2009-09-10

This topic: EGEE > EpelOverDag

Topic revision: r45 - 2010-03-26 - SteveTraylen



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