

Database - Feature #1890

upgrade to the latest stable PLJava and ensure that it is available on all target platforms

10/31/2012 05:03 PM - Greg Shah

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	32.00 hours
Target version:	Cleanup and Stabilization for Server Features	vendor_id:	GCD
billable:	No		
Description			

History

#1 - 10/31/2012 05:04 PM - Greg Shah

Both 32-bit and 64-bit must be supported. Linux, Solaris and Windows all must be supported.

#2 - 02/15/2013 03:22 PM - Eric Faulhaber

From the PL/Java mailing list (potentially helpful for Linux 64bit and Java 7)...

Send Pljava-dev mailing list submissions to

pljava-dev@pgfoundry.org

To subscribe or unsubscribe via the World Wide Web, visit

<http://lists.pgfoundry.org/mailman/listinfo/pljava-dev>

or, via email, send a message with subject or body 'help' to

pljava-dev-request@pgfoundry.org

You can reach the person managing the list at

pljava-dev-owner@pgfoundry.org

When replying, please edit your Subject line so it is more specific than "Re: Contents of Pljava-dev digest..."

Today's Topics:

1. Building / installing for CentOS or Fedora (eggyknap)
2. Re: Building / installing for CentOS or Fedora (Christian Hammers)
3. Re: Building / installing for CentOS or Fedora (eggyknap)
4. Re: Building / installing for CentOS or Fedora (eggyknap)
5. Re: Building / installing for CentOS or Fedora (eggyknap)
6. Re: Building / installing for CentOS or Fedora (Christian Hammers)

Message: 1

Date: Fri, 15 Feb 2013 08:26:01 -0700

From: eggyknap <eggyknap@gmail.com>

To: pljava-dev@pgfoundry.org

Subject: [Pljava-dev] Building / installing for CentOS or Fedora

Message-ID: <511e538b.4553420a.51be.1fa8@mx.google.com>

Content-Type: text/plain; charset="us-ascii"

Having just read the recent mailing list archives, I'm guessing this isn't a resolved problem. I'm trying to install PL/Java on Postgres 9.2 with, ideally, Java 1.5 or 1.6 (though 1.7 might not cause anyone heartburn either). Server is Linux, x64.

I've tried building from source on my own similar box (Fedora, not CentOS, but otherwise equivalent software) to no avail:

```
[josh@eddie ~/devel/pljava]$ export USE_LD_RPATH=4
[josh@eddie ~/devel/pljava]$ make
make1: Entering directory `/home/josh/devel/pljava/build/classes/pljava'
make1: /home/josh/devel/pljava/src/java/pljava/Makefile: No such file or
directory
make1: * No rule to make target
`/home/josh/devel/pljava/src/java/pljava/Makefile'. Stop.
make1: Leaving directory `/home/josh/devel/pljava/build/classes/pljava'
make: * [pljava_all] Error 2
```

It looks like that's already been seen on this list, but I didn't find sufficient detail in the lists to understand how to get past it. Help?

I'm not wedded to the idea of buiding from source; I just want it installed and working. If there's a package somewhere, that would be lovely, but I gather that's unlikely.

```
--
Joshua Tolley / eggyknap
End Point Corporation
http://www.endpoint.com
----- next part -----
A non-text attachment was scrubbed...
Name: not available
Type: application/pgp-signature
Size: 836 bytes
Desc: not available
URL: <http://lists.pgfoundry.org/pipermail/pljava-dev/attachments/20130215/a01b7627/attachment-0001.bin>
```

Message: 2
Date: Fri, 15 Feb 2013 18:24:57 +0100
From: Christian Hammers <ch@lathspell.de>
To: eggyknap <eggyknap@gmail.com>
Cc: pljava-dev@pgfoundry.org
Subject: Re: [Pljava-dev] Building / installing for CentOS or Fedora
Message-ID: <20130215182457.455342b1@sys-251.netcologne.de>
Content-Type: text/plain; charset=UTF-8

Hello

One quick way to get it running is using <https://github.com/lathspell/pljava.git> which builds everything with just "mvn install".

The official GIT repository has IIRC not yet applied the patches for Java 1.7 and the hellblazer repository works with Java 1.7 but does not compile the C sources automatically.

bye,

~~christian~~

On Fri, 15 Feb 2013 08:26:01 -0700
eggyknap <eggyknap@gmail.com> wrote:

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--
Joshua Tolley / eggyknap
End Point Corporation
<http://www.endpoint.com>

-- Network Engineering & Design; Content Delivery Platform & IP NETCOLOGNE Gesellschaft f?r Telekommunikation mbH Am Coloneum 9 | 50829 K?ln Tel: 0221 2222-8711 | Fax: 0221 2222-78711 www.netcologne.de Gesch?fts?hrer: Dr. Hans Konle (Sprecher) Dipl.-Ing. Karl-Heinz Zankel HRB 25580, AG K?ln Diese Nachricht (inklusive aller Anh?nge) ist vertraulich. Sollten Sie diese Nachricht versehentlich erhalten haben, bitten wir, den Absender (durch Antwort-E-Mail) hiervon unverz?glich zu informieren und die Nachricht zu l?schen. Die E-Mail darf in diesem Fall weder vervielf?ltigt noch in anderer Weise verwendet werden. ----- Message: 3 Date: Fri, 15 Feb 2013 11:00:51 -0700 From: eggyknap <eggyknap@gmail.com> To: Christian Hammers <ch@lathspell.de> Cc: pljava-dev@pgfoundry.org Subject: Re: [Pljava-dev] Building / installing for CentOS or Fedora Message-ID: <511e77d5c1fb440a.4c4a.ffff87cc@mx.google.com> Content-Type: text/plain; charset="us-ascii" On Fri, Feb 15, 2013 at 06:24:57PM +0100, Christian Hammers wrote:

One quick way to get it running is using <https://github.com/lathspell/pljava.git> which builds everything with just "mvn install".

Awesome... except that I get this:

```
[WARNING] The POM for
org.apache.maven.plugins:maven-nar-plugin:jar:2.1-SNAPSHOT is missing, no
dependency information available
[ERROR] The build could not read 1 project -> [Help 1]
[ERROR]
[ERROR] The project org.postgresql:pljava-so:0.0.1-SNAPSHOT
(/home/josh/devel/pljava-build/pljava-so/pom.xml) has 2 errors
[ERROR] Unresolvable build extension: Plugin
org.apache.maven.plugins:maven-nar-plugin:2.1-SNAPSHOT or one of its
dependencies could not be resolved: Could not find artifact
org.apache.maven.plugins:maven-nar-plugin:jar:2.1-SNAPSHOT -> [Help 2]
[ERROR] Unknown packaging: nar @ line 14, column 16
```

I don't speak Maven very well, but it seems I need a special maven-nar-plugin version including some of your own changes, and I'm guessing the problem involves getting that version. How do I get around that? #begging-for-help

Thanks.

--
Joshua Tolley / eggyknap
End Point Corporation
<http://www.endpoint.com>

----- next part -----

A non-text attachment was scrubbed...

Name: not available

Type: application/pgp-signature

Size: 836 bytes

Desc: not available

URL: <<http://lists.pgfoundry.org/pipermail/pljava-dev/attachments/20130215/a8cf6e90/attachment-0001.bin>>

Message: 4
Date: Fri, 15 Feb 2013 11:21:18 -0700
From: eggyknap <eggyknap@gmail.com>
To: Christian Hammers <ch@lathspell.de>
Cc: pljava-dev@pgfoundry.org
Subject: Re: [Pljava-dev] Building / installing for CentOS or Fedora
Message-ID: <511e7ca1.444b420a.4533.7851@mx.google.com>
Content-Type: text/plain; charset="us-ascii"

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Perhaps by installing your version of the nar plugin from github, I've succeeded. I'll test this out. Thanks.

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URL: <<http://lists.pgfoundry.org/pipermail/pljava-dev/attachments/20130215/eab43763/attachment-0001.bin>>

Message: 5
Date: Fri, 15 Feb 2013 11:55:44 -0700
From: eggyknap <eggyknap@gmail.com>
To: Christian Hammers <ch@lathspell.de>
Cc: pljava-dev@pgfoundry.org
Subject: Re: [Pljava-dev] Building / installing for CentOS or Fedora
Message-ID: <511e84bb.a2e8440a.3a40.fff89f0@mx.google.com>
Content-Type: text/plain; charset="us-ascii"

On Fri, Feb 15, 2013 at 11:21:18AM -0700, eggyknap wrote:

Perhaps by installing your version of the nar plugin from github, I've succeeded. I'll test this out. Thanks.

Well, it's a qualified success. After running maven, I couldn't find any pljava.so or pljava.jar files anywhere, so I went into various subdirectories and ran ant manually, which created some files named similarly to what I was looking for. I put them manually into the PostgreSQL \$libdir, because I liked that method better than fiddling with dynamic_library_path, and after changing LD_LIBRARY_PATH so postgres could find libjvm.so, was able to create the language successfully.

Now I'm loading the examples, and get this:

```
pljava=# select
sqlj.install_jar('file:///home/josh/devel/pljava-build/pljava-examples/target/pljava-examples-0.0.1-SNAPSHOT.jar',
'samples', true);
WARNING: java.lang.NoClassDefFoundError:
org/postgresql/pljava/internal/Backend
ERROR: Unable to load class org/postgresql/pljava/internal/Backend using
CLASSPATH
'-Djava.class.path=target/lib//pljava.jar/etc/alternatives/java_sdk/lib/management-agent.jar/etc/alternatives/java_sdk/lib/tools.jar'
```

I'll see if I can figure out how to make that target/lib/pljava.jar classpath absolute, and ... something meaningful. I expected maven to create nicely packaged .so and .jar files for me, and it didn't, which suggests I'm doing something else wrong.

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Joshua Tolley / eggyknap
End Point Corporation
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----- next part -----
A non-text attachment was scrubbed...
Name: not available
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Size: 836 bytes
Desc: not available
URL: <<http://lists.pgfoundry.org/pipermail/pljava-dev/attachments/20130215/18c561cc/attachment-0001.bin>>

Message: 6

Date: Fri, 15 Feb 2013 20:11:48 +0100

From: Christian Hammers <ch@lathspell.de>

To: eggynap <eggynap@gmail.com>

Cc: pljava-dev@pgfoundry.org

Subject: Re: [Pljava-dev] Building / installing for CentOS or Fedora

Message-ID: <20130215201148.32266079@james.intern>

Content-Type: text/plain; charset="us-ascii"

Am Fri, 15 Feb 2013 11:55:44 -0700

schrieb eggynap <eggynap@gmail.com>:

On Fri, Feb 15, 2013 at 11:21:18AM -0700, eggynap wrote:

Perhaps by installing your version of the nar plugin from github,
I've succeeded. I'll test this out. Thanks.

Well, it's a qualified success. After running maven, I couldn't find
any pljava.so or pljava.jar files anywhere

Maven calls the file slightly different:

pljava-so/target/nar/pljava-so-0.0.1-SNAPSHOT-amd64-Linux-gpp-shared/lib/amd64-Linux-gpp-shared/libpljava-so-0.0.1-SNAPSHOT.so

Running "mvn deploy" as root inside the pljava-so directory will
automatically copy it to /usr/lib/postgresql/9.2/main/pljava.so (or
whereever it belongs). Has still to be documented though

so I went into various
subdirectories and ran ant manually, which created some files named
similarly to what I was looking for. I put them manually into the
PostgreSQL \$libdir, because I liked that method better than fiddling
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org/postgresql/pljava/internal/Backend
ERROR: Unable to load class org/postgresql/pljava/internal/Backend
using CLASSPATH
'-Djava.class.path=target/lib//pljava.jar:/etc/alternatives/java_sdk/lib/management-agent.jar:/etc/alternatives/java_sdk/lib/tools.jar'
```

I'll see if I can figure out how to make that target/lib/pljava.jar
classpath absolute, and ... something meaningful. I expected maven to
create nicely packaged .so and .jar files for me, and it didn't,
which suggests I'm doing something else wrong.

The Backend class is part of pljava-jdbc so I assume that you did not
add the following lines (paths adjusted!) to your
/etc/postgresql/9.2/main/postgresql.conf:

```
pljava.classpath =
'.../pljava-api/target/pljava-api-0.0.1-SNAPSHOT.jar:.../pljava-jdbc/target/pljava-jdbc-0.0.1-SNAPSHOT.jar'
pljava.statement_cache_size = 10 pljava.release_lingering_savepoints =
true pljava.vmoptions = '-Xmx64M'
pljava.debug = false
```

More about this can be read in docs/userguide.html.

bye,

christian

----- next part -----

A non-text attachment was scrubbed...

Name: signature.asc

Type: application/pgp-signature

Size: 198 bytes

Desc: not available

URL: <<http://lists.pgfoundry.org/pipermail/pljava-dev/attachments/20130215/5dd9b994/attachment.bin>>

Pljava-dev mailing list

Pljava-dev@pgfoundry.org

<http://lists.pgfoundry.org/mailman/listinfo/pljava-dev>

End of Pljava-dev Digest, Vol 103, Issue 7

#3 - 05/02/2013 10:32 PM - Eric Faulhaber

- *Status changed from New to Closed*

Constantin completed this as part of updating the regression testing environment (#2104).

#4 - 12/02/2014 09:00 AM - Eric Faulhaber

- *% Done changed from 0 to 100*

#5 - 11/16/2016 12:06 PM - Greg Shah

- *Target version changed from Milestone 11 to Cleanup and Stabilization for Server Features*