

The twins that everyone  
loved too much

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Apache Hive contributors' meetup  
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nce upon a time...

...in a land of castles, dragons, warrior kings and almost non-existent database connectivity standards



...in the home of a poor wood cutter and his wife





...twin sons are born

Their names are Cedric Quentin de Havaline  
and Cecil Quincy de Havaline.

They look so similar, people can barely tell them apart.



So everyone calls them both “sqlline”.

```
sqlline> !connect jdbc:oracle:thin:@localhost:1521:mydb scott tiger oracle.jdbc.driver.OracleDriver
```

```
Connected to: Oracle (version Oracle9i Enterprise Edition Release 9.2.0.1.0 - Production  
With the Partitioning, OLAP and Oracle Data Mining options  
JServer Release 9.2.0.1.0 - Production)  
Driver: Oracle JDBC driver (version 9.0.1.0.0)  
Autocommit status: true
```

```
0: jdbc:oracle:thin:@localhost:1521:mydb>
```



One day, when the boys are still just babies, their parents met a sudden, nasty end.





Cedric goes to live in Apache castle with Baron Hive.

Cecil moves to a different part of the forest, and makes friends with the animals.





Cedric changes his name to “beeline” and lives a life of plenty. Cecil continues a simple life in the forest.

They each grow up to be strong and hard working. Cedric learns his skills in the busy castle. Cecil learns how to make friends and perform all of the jobs that are needed in the forest.

They are living only a few miles apart, but don't know about each other.

One day, Cecil visits the big town next to castle Apache and meets Cedric in the market place.

They immediately realize they are brothers, and they want to be friends.



Says Cecil, “Let’s live together, and share the skills we have learned.”

Says Cedric, “I like that idea. But what will my father, Count Hive, think? And where will we live? He certainly won’t like it if I go to live outside the castle.”

Says Cecil, “Hmm. And my friends won’t trust me if I go to live in the castle.”



Hmmm.



# Timeline

- 2002 Marc Prud'hommeaux writes 0.7 (SourceForge, GPL)
- 2006 BSD license
- 2006 LucidDB project adopts sqlline
- 2013 Forked into Apache Hive as beeline
- 2013 sqlline revived in github (contributions from Cascading, Drill; used by Calcite, Phoenix, Kylin)
- 2013 sqlline-1.0.10 uses jline2
- 2015 sqlline-1.1.9 in Maven central

# [HIVE-6361] Un-fork Sqlline

- New module hive-sqlline,  
and package org.apache.hive.sqlline,  
contains generic functionality
- Hive-specific functionality remains in hive-beeline,  
package org.apache.hive.beeline
- Class BeeLine extends SqlLine
- Merged patches from sqlline & Hive
- Improved tests, including a test for each command on an embedded  
hsqldb
- ...and then I got stuck



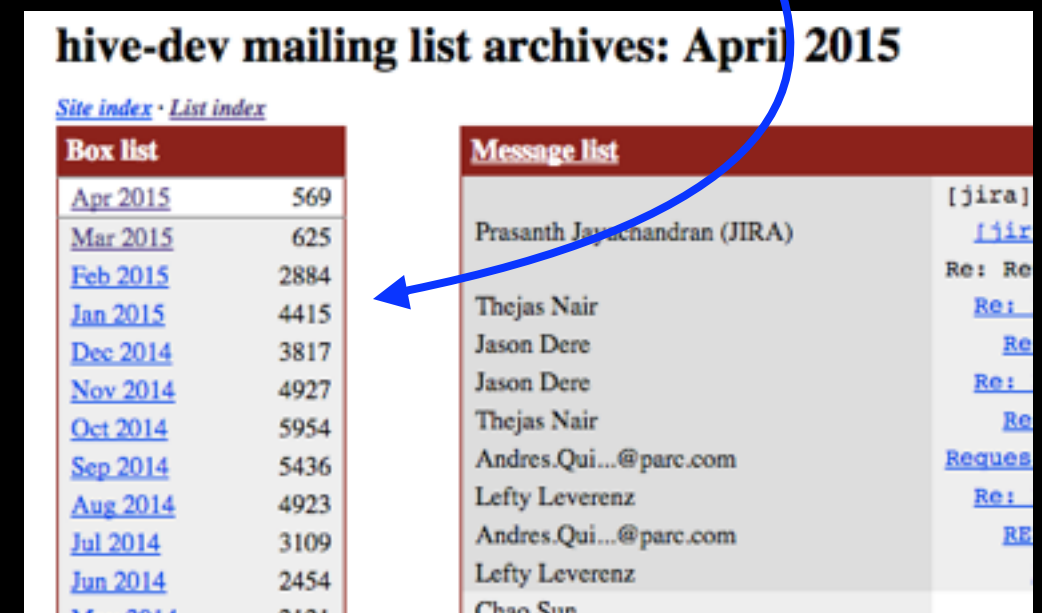
# Ethics & pragmatics

- Is it OK to fork?
- Is it efficient to fork?
- Do projects have a duty to other projects?
- What is the right size for a project?
- Inside or outside Apache?

# My opinion

- Smaller projects are better:
  - Easier to develop
  - Easier to re-use
- Apache governance is good
- Apache favors large projects

Yikes!



hive-dev mailing list archives: April 2015

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Box list	Message list
<a href="#">Apr 2015</a> 569	[jira]
<a href="#">Mar 2015</a> 625	Prasanth Jayachandran (JIRA)
<a href="#">Feb 2015</a> 2884	Re: Re
<a href="#">Jan 2015</a> 4415	Re: Re
<a href="#">Dec 2014</a> 3817	Re: Re
<a href="#">Nov 2014</a> 4927	Re: Re
<a href="#">Oct 2014</a> 5954	Re: Re
<a href="#">Sep 2014</a> 5436	Re: Re
<a href="#">Aug 2014</a> 4923	Re: Re
<a href="#">Jul 2014</a> 3109	Re: Re
<a href="#">Jun 2014</a> 2454	Re: Re
<a href="#">May 2014</a> 2121	Re: Re

# What now?

1. Do nothing
2. Combine in sqlline (github, ASL)
3. Combine in Hive
  - Separate list & release schedule?
4. Combine somewhere else in Apache
  - [sqlline.db.apache.org](http://sqlline.db.apache.org)
  - [sqlline.incubator.apache.org](http://sqlline.incubator.apache.org)
  - [pTLP.apache.org](http://pTLP.apache.org)