

PostgreSQL Community and its development in China

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PostgreSQL Ecosystem

Greenplum.com

EnterpriseDB®
The Enterprise PostgreSQL Company

歌思 GRES

ISV and Service
Provider



2ndQuadrant+
Professional PostgreSQL



Enterprise User

NTT, SKYPE, SONY ONLINE,
YAHOO, CISCO,
Juniper Networks, MySpace,



Development
Group

Conferences

PGCon, PGDay, PGDay
PG:East, JPUG conf, CPUG conf



User Group

USA, JAPAN, UK, French, Italian, Greek
Peru, German,

Development Group

Global Development Group

- Project Organization
 - > Core team
 - > Major Contributors
 - > Contributors

Core team



- ◎ 6 members

- > Josh Berkus, Peter Eisentraut , Magnus Hagander, Tom Lane, Bruce Momjian, Dave Page
- > The core team has a moderated mail list

- ◎ Role

- > core hackers, PR or release management and some are less familiar with internals.
- > collectively makes decisions about release schedules, security issues, and, whatnot

Developer

- ◎ Major Contributors

- > About 40 developers from across world
- > 19 Committers can commit code currently
- > David Fetter, Tatsuo Ishii,....
- > most development and contribution issues are discussed on the [pgsql-hackers](#) mail list

- ◎ Contributors

- > About 40

PG Family



Development Process

- ◉ Proposal and discussion
 - > Discussion on hacker-list
 - > Developer meeting in Pgconf once a year
 - > TODO list page
- ◉ Development
- ◉ Commit Fest/Alpha releases
 - > freely accepting patches and working them in to the core via commit fests over the course of 6-8 months
 - > relying on the build farm to quickly address regressions
- ◉ followed by possibly more alpha releases
- ◉ Beta Release
- ◉ Release candidate
 - > the project enters a beta- and release-candidate release cycle.
- ◉ Release
 - > Once a release candidate goes for two weeks or so without a major regression, it's declared done, the x.x.0 release drops
 - > CVS HEAD is opened for development of the next major version.

Commit Fest

- ◉ Introduced from 8.4
- ◉ Every two months, a commit fest starts, last for one month also
- ◉ Development stops, core team and developer switch to focus on review and commit patch
- ◉ The commit fest manager recruits reviewers
- ◉ All patches are reviewed and either committed, or returned with feedback

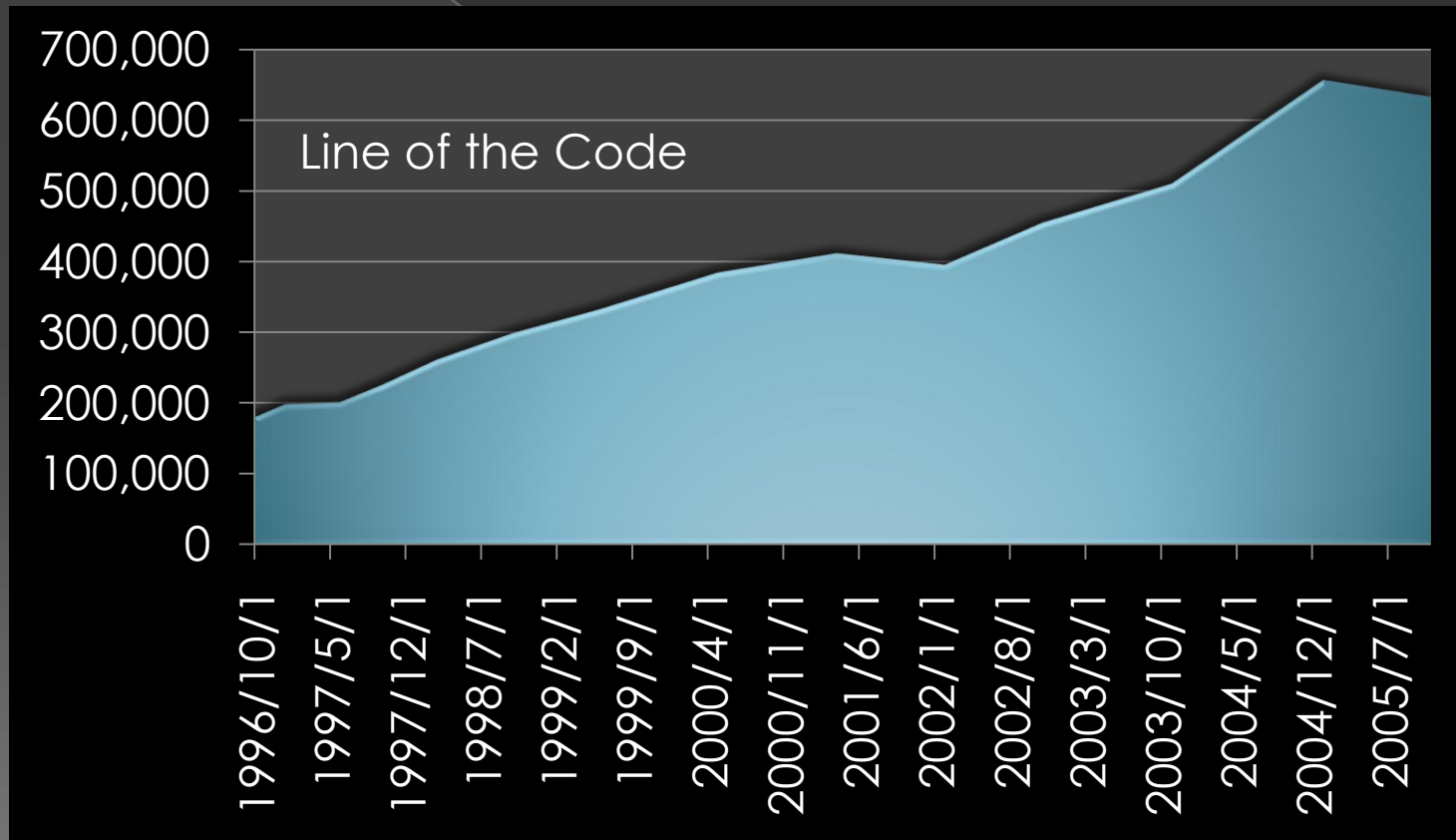
A case study

PostgreSQL 9.2 Development Plan

- June 1, 2011
 - > branch off 9.1, committing into head/trunk/master for 9.2 can begin.
- June 15, 2011 - July 14, 2011
 - > [commit fest 1](#).
- July 15, 2011
 - > 9.2alpha1 release
- September 15, 2011 - October 15, 2011
 - > [commit fest 2](#)
- Around October 20, 2011
 - > 9.2alpha2 release
- November 15, 2011 - December 15, 2011:
 - > [commit fest 3](#)
- Around December 20, 2011
 - > 9.2alpha3 release
- January 15, 2011 - February 15, 2011
 - > [commit fest 4](#)
- Around February 20, 2011
 - > 9.2alpha4 release
- Followed by possibly more alpha releases
- Beta
- Release candidates
- Release

The source tree is growing

- By January 2008, we have over 800,000 lines of code!



User Groups

Japan PostgreSQL Users Group (JPUG)

- Non-profit organization established in 1999
- Initially founded by 32 members & 8 directors
- Has 18 sponsor members
 - > Fujitsu, NEC, NTT group, SRA OSS, Inc. etc.
- 54 official members, 24 directors, and 3,600 web members (as of October, 2009)
- 9 branches covering major cities
- 3 working groups for specific interests
 - PG Internal Research Group
 - Documentation Group
 - Newsletters Editorial Group

San Francisco PostgreSQL User Group

- Started in 2003 by Josh Berkus and David Fetter, now with 150 members
- 10 meetings per year in San Francisco, Oakland and South Bay
- Meetings usually centre around a presentation on hacking, apps, forks etc
- Booth and party at Linux World Expoe very year, this August hosting a full one-day mini-conference with over 100 attendees

More User Group

- Both regional and language-specific user groups are being formed independently:
 - > PostgreSQLFr (French speaking, NPO)
 - > ITPUG (Italian, NPO)
 - > PostgreSQL.gr (Greek)
 - > PostgreSQL PE (Peru)
 - > Pgug.de (Germany)
 - > and many more!

PostgreSQL community in China

Community in China

- No formal organizations
- Few Dedicated forums
 - > pgsql.org
 - > bbs.chinaunix.com
 - > Most of the users get support from the forums
- Official document localization
 - > Laser(何伟平) is a key person in organizing PG users in China
- Some Ad-hoc PG seminars
- Yahoo was an active advocator in China

My Effort

- Setup a PG group by instant message software
 - > There are over 200 members within one year
 - > Users join every day
 - > Active discussions
- Organizing this conference
 - > The first dedicated PG conference in China;
 - > There are 80 attendees;
 - > 16 talks
- Coordinating document translation for 9.1
 - > Not very success
- Preparing setup CPUG
 - > cnpug.org

Thoughts about CPUG

- A NPO organization is healthy for the ecosystem in China
 - > Provide knowledge base, support, translations, conferences, seminars to users in China;
 - > Both DBA, developers, enterprises will be benefit from a common organization;
 - > Accelerate the adoption of PG;
- Enterprise involvements are important
 - > Finance funding is the foundation of the group
- Still need consensus on how to run it
- Plan to make it operating within this year

Plan for future

- ◎ Push CPUG as a formal NPO group
- ◎ Books and documents
 - > Translations are still urgent
- ◎ Conferences and seminars
 - > Push pg conference hold once a year
 - > More seminars in different cities and in different topics
 - > Cooperation with other OSS related events
- ◎ Activating PG china developers
 - > Kernel technical seminars
 - > Working group
 - > Projects

Q&A

Thanks

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