

PostgreSQL's Path to the Future

BRUCE MOMJIAN



This talk is about what the future holds for PostgreSQL.

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Last updated: January, 2017

The Road to the Top Is Rarely Straight



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No Catapult



<https://www.flickr.com/photos/wolfsavard/>

Meandering Improvement



<https://www.flickr.com/photos/127619525@N05/>

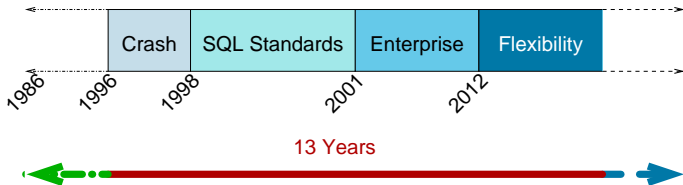
Companies Have Clearly Defined Goals (\$)

- ▶ Profitable
- ▶ Initial Public (Stock) Offering (IPO)
- ▶ Company Sold or Merged
- ▶ Company Survives

Open Source Has a More Varied Goals

- ▶ Feature Set
- ▶ Adoption of Open Source
- ▶ Challenge/Fun

PostgreSQL Evolution



PostgreSQL 8.0

January 2005

- ▶ Win32
- ▶ Savepoints
- ▶ Point-In-Time Recovery
- ▶ Tablespaces

PostgreSQL 8.3

February 2008

- ▶ Heap-Only Tuples (HOT)
- ▶ Asynchronous Commit
- ▶ Smoothed Checkpoints
- ▶ Auto-Tuned Background Writer
- ▶ Reduced Storage
- ▶ Synchronized Scans
- ▶ ORDER BY ... LIMIT without sorting

Features

When we are playing feature catch-up, we are doing so against software from the largest software companies in the world: **Oracle, IBM, Microsoft**. We have passed everyone else. Full parity is within reach.

Performance

Continue expanding performance beyond traditional workloads. Improved resource usage for a single session will be a primary focus. (CPU, memory, disk)

Adoption, Mind Share

- ▶ Press
- ▶ Company Support
- ▶ Third-Party Applications
- ▶ Visible Usage

Define Relational Databases

- ▶ Features
- ▶ Administration
- ▶ Performance

Conclusion



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