PostgreSQL's Path to the Future

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This talk is about what the future holds for PostgreSQL.

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The Road to the Top Is Rarely Straight

https://www.flickr.com/photos/13802839@N05/

No Catapult

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

Meandering Improvement

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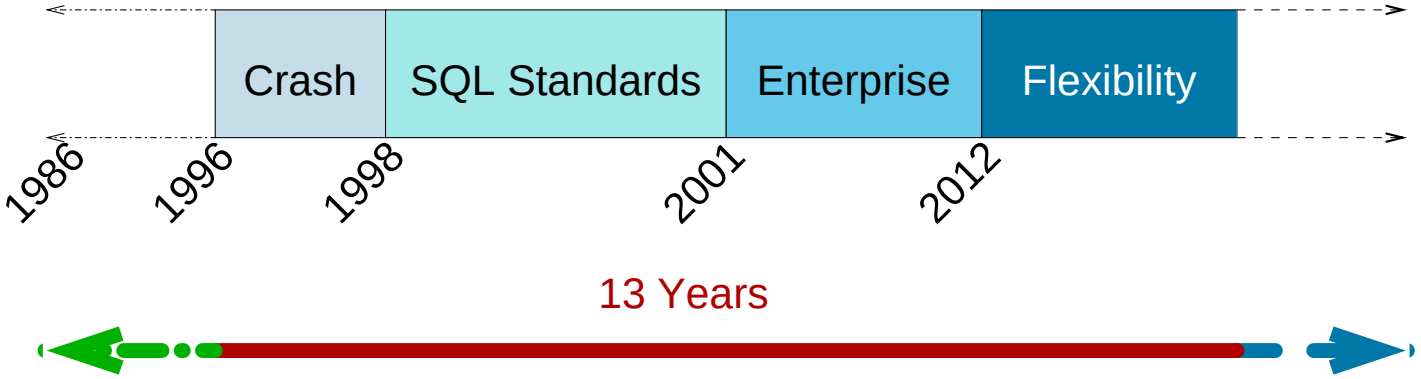
Companies Have Clearly Defined Goals ($)

- 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)
- Asynchonous 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

Leadership

Define Relational Databases

- Features
- Administration
- Performance

Conclusion

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