



2017第八届中国数据库技术大会

DATABASE TECHNOLOGY CONFERENCE CHINA 2017

开源 MPP 数据库的不二之选： Pivotal Greenplum 5.0

姚延栋

yyao@pivotal.io

开放源代码



PostgreSQL
the world's most advanced open source database



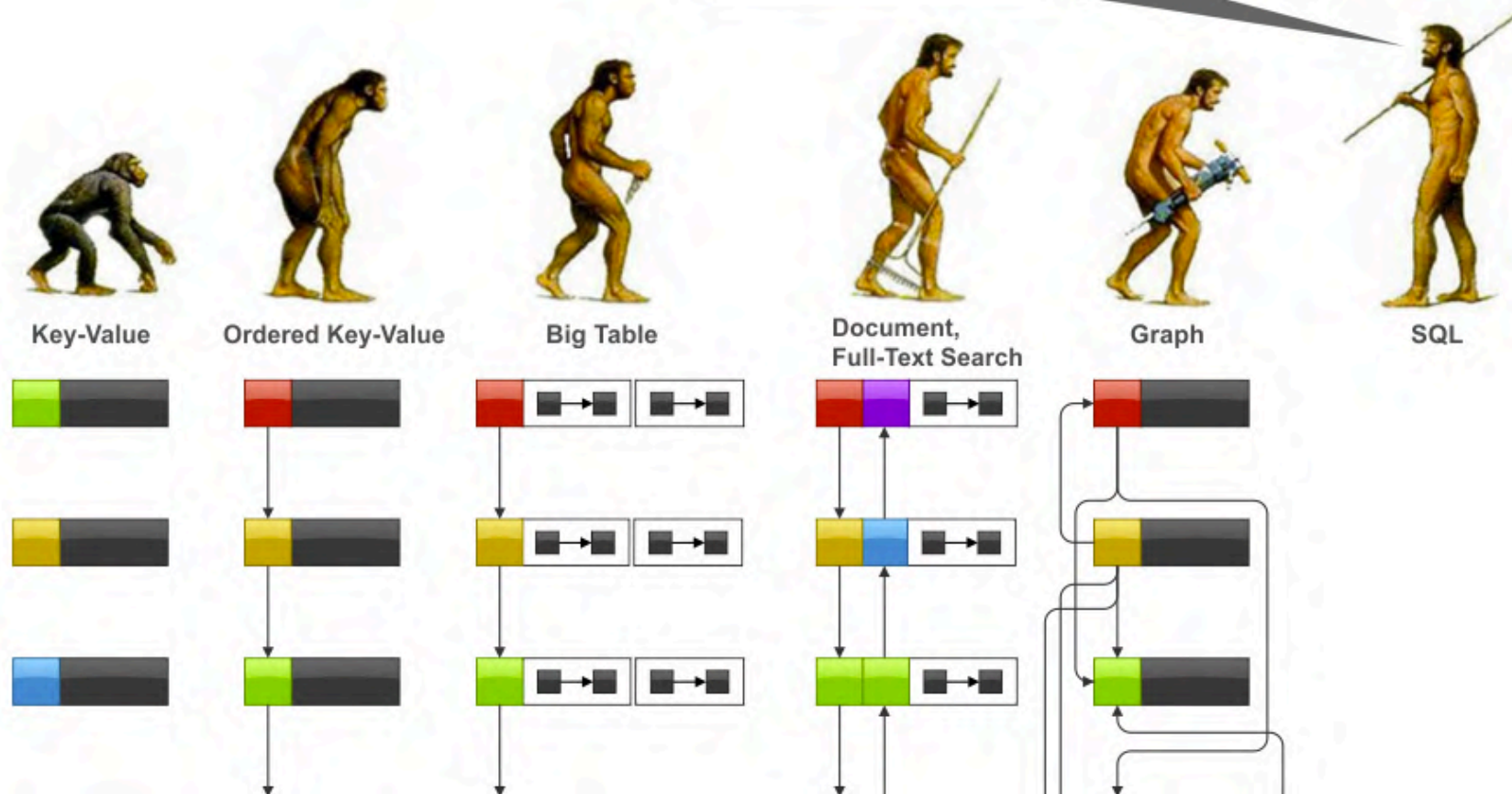
Pivotal
Greenplum



orca

SQL

Stop following me, you fucking freaks!



企业级数据库



Morgan Stanley



Bloomberg



Mercedes-Benz **verizon**



生态系统



Google Cloud Platform



DATOMETRY



Alibaba Cloud
aliyun.com



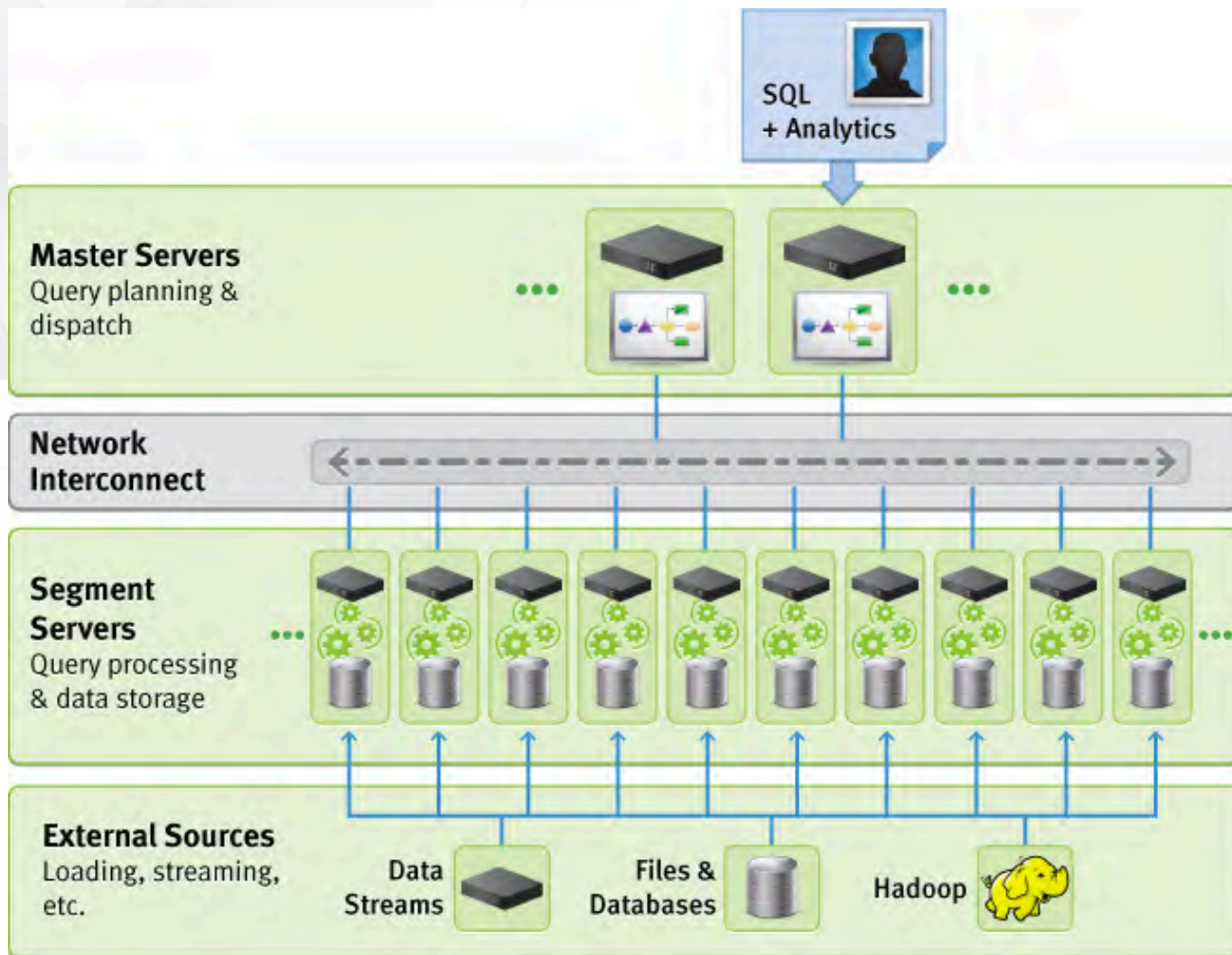
ALPINE MINER



Datameer
Powerfully Simple™



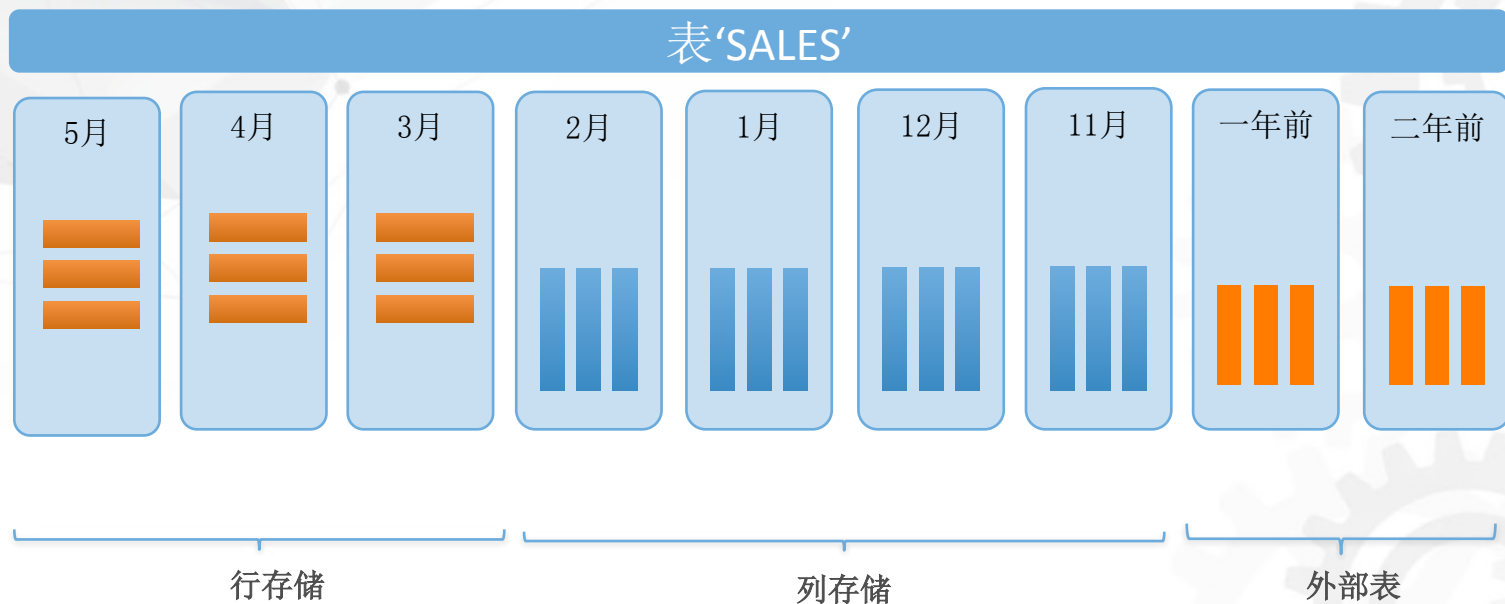
MPP



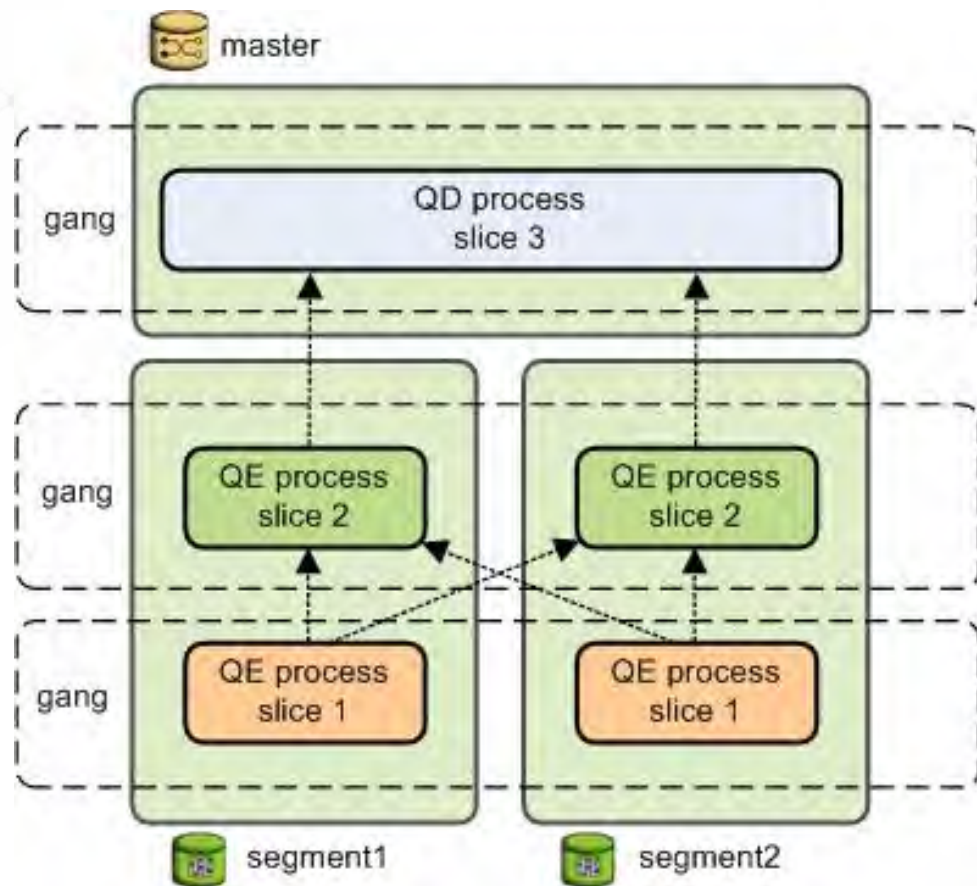
高速数据加载



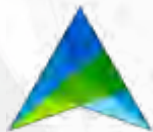
多态存储



并行执行



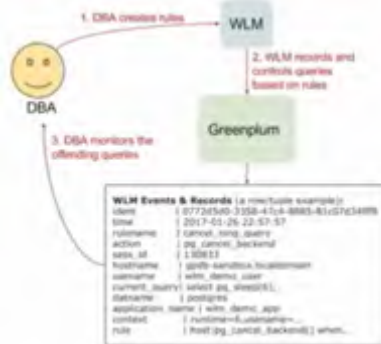
企业级特性



Chorus



Gemfire



使用场景

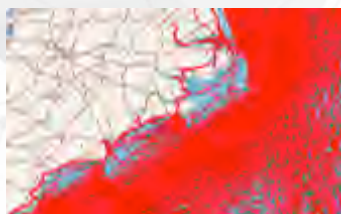
STRUCTURED QUERY LANGUAGE



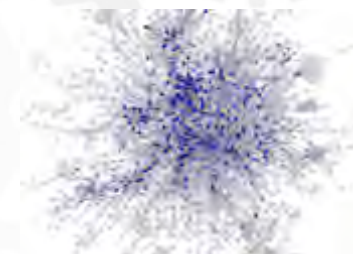
Text



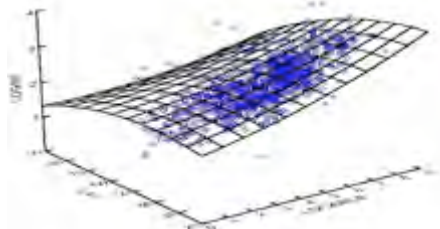
GEOSPATIAL



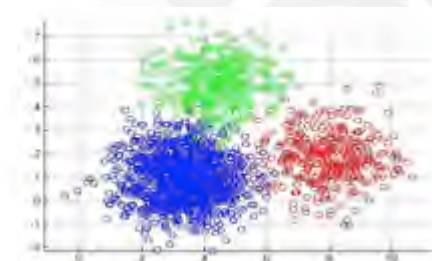
GRAPH



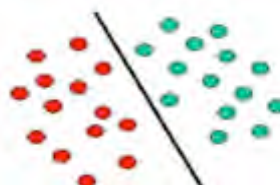
REGRESSION



CLUSTERING



CLASSIFICATION



Greenplum 5.0

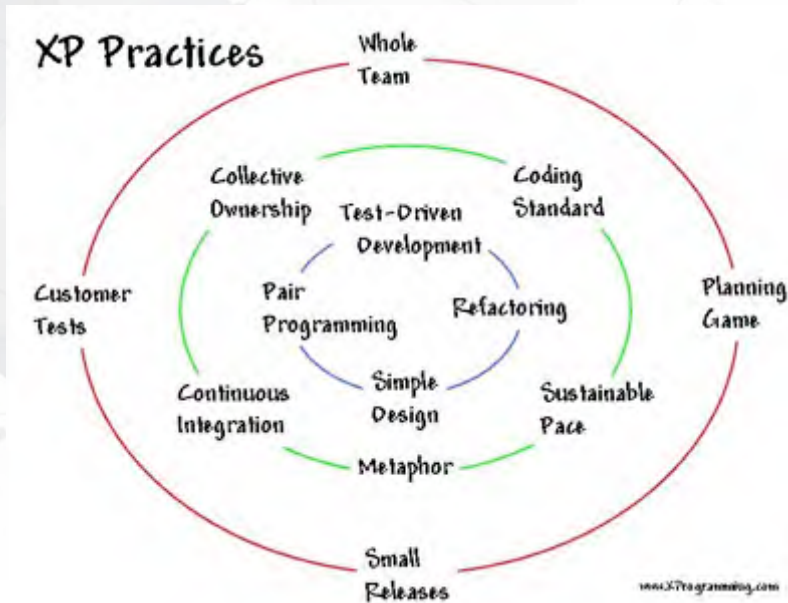


- Open Source Based Database
- PG 8.2 → PG 8.3
- Analyze Speed Enhancement
- Asynchronous Dispatcher
- GPORCA is Default Optimizer
- JSON Type & Functions
- Improved XML Type/Functions
- UUID Type
- Anonymous Code Blocks (Do statement)
- UDF default and Variadic parameters
- DBLink
- Raster PostGIS
- Python 2.7.12
- Lazy XID (less frequent xid wrap around)
- GP HashAgg Operator
- SubSelect Performance Improvement
- Resource Groups (CPU Targets) (post GA)
- Recursive CTEs (post GA)
- gpload multi-byte delimiters (post GA)
- PXF For Hadoop (post GA)

【GPDB技术研讨会视频】 Greenplum 5.0进展和新功能

2017-05-10 高小明 Pivotal中国研发中心

敏捷开发方法学



社区

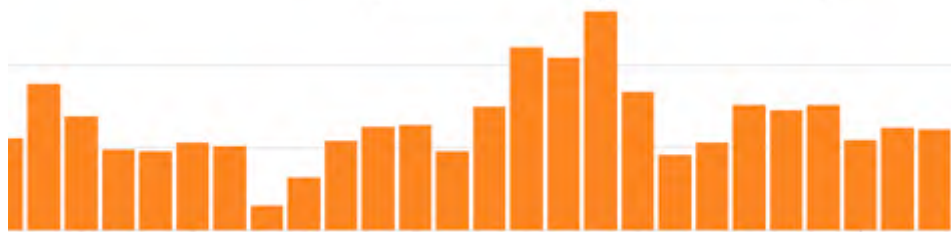


Bhuvnesh	[greenplum-db/gpdb] Wrong results with outplan quer	View Pull Request	7:05 am
Karen Huddleston (32)	[greenplum-db/gpdb] Initial pull request for gpba	View Pull Request	6:43 am
Karthikeyan Janidu Raj (9)	[greenplum-db/gpdb] Adding GPDB specific exce	View Pull Request	6:22 am
Karthikeyan Janidu Raj (5)	[greenplum-db/gpdb] Change workset_cleanup s	View Pull Request	6:14 am
Bhuvnesh (41)	[greenplum-db/gpdb] Make orca default for GPDI	View Pull Request	5:58 am
Chuck Litzell (16)	[greenplum-db/gpdb] Relocates gppermon refer	View Pull Request	5:29 am
Karen Huddleston	[greenplum-db/gpdb] Remove old NetBackup tes	View Pull Request	5:17 am
Lisa Owen	[greenplum-db/gpdb] doc updates for a3 protoco	View Pull Request	4:48 am
Dave Cramer (4)	[greenplum-db/gpdb] remove checkinc.gy (#2438	View Pull Request	4:11 am
David Yozie (4)	[greenplum-db/gpdb] #2427: Standard conform	View Pull Request	3:10 am
Karen Huddleston (3)	[greenplum-db/gpdb] Modified special character	View Pull Request	3:09 am
C.J. Jameson (13)	[greenplum-db/gpdb] Fortify SED_PG_CONFIG sh	View Pull Request	2:48 am
Tang Pengzhi (78)	[greenplum-db/gpdb] [removed] resource	View Pull Request	2:23 am
Dan Neumann (8)	[greenplum-db/gpdb] Update with json accessor func (#	View Pull Request	2:05 am
Heikki Linnakangas (8)	[greenplum-db/gpdb] Number of concurrent spilling qu	View Pull Request	1:55 am
Karthikeyan Janidu Raj (10)	[greenplum-db/gpdb] Enhancing clean up routin	View Pull Request	1:35 am
Heikki Linnakangas (3)	[greenplum-db/gpdb] Sync JSON functions with	View Pull Request	1:29 am
mkiyama (4)	[greenplum-db/gpdb] GPDB DOC6 - Add informa	View Pull Request	1:19 am

41 Open ✓ 2,018 Closed Author Labels Projects Mile

- Enhancing clean up routine for workfile_set. ✓ **needs-peer-review**
#2413 opened 6 hours ago by karthijrk • Changes requested
- Use params to plan certain PL/pgSQL statements efficiently ✗ **needs-peer-review**
#2412 opened 6 hours ago by hardikar
- Initial pull request for gpbackup utility ✓
#2410 opened 7 hours ago by khuddelfish

133 commits the week of Feb 26



Watch	279	Star	2,777	Fork	901
Unwatch	329	Unstar	1,919	Fork	582






社区



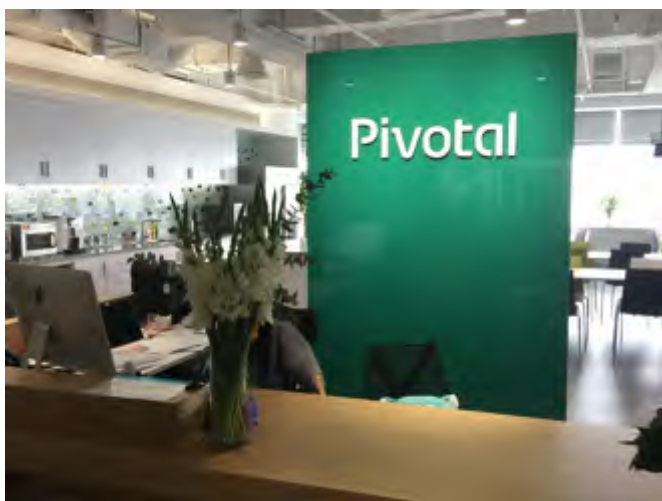
加入 Pivotal



Principles & Practices

- 
Pair up
- 
Do The Right Thing
- 
Do What Works
- 
Be Kind
- 
Dinner at Home

Challenge how things are done, build new worlds...and make it home for dinner too.



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THANKS

SequeMedia
威拓传媒

IT168.com

ITPUB

ChinaUnix

未来计划

- PostgreSQL 9.x Merge
- WAL Replication
- Performance enhancement
- Scalability enhancement
- Resource Management
- Tools new design
- Backup/restore new design
- PGAdmin 4