

Induction training of Dev Team

By PuGong

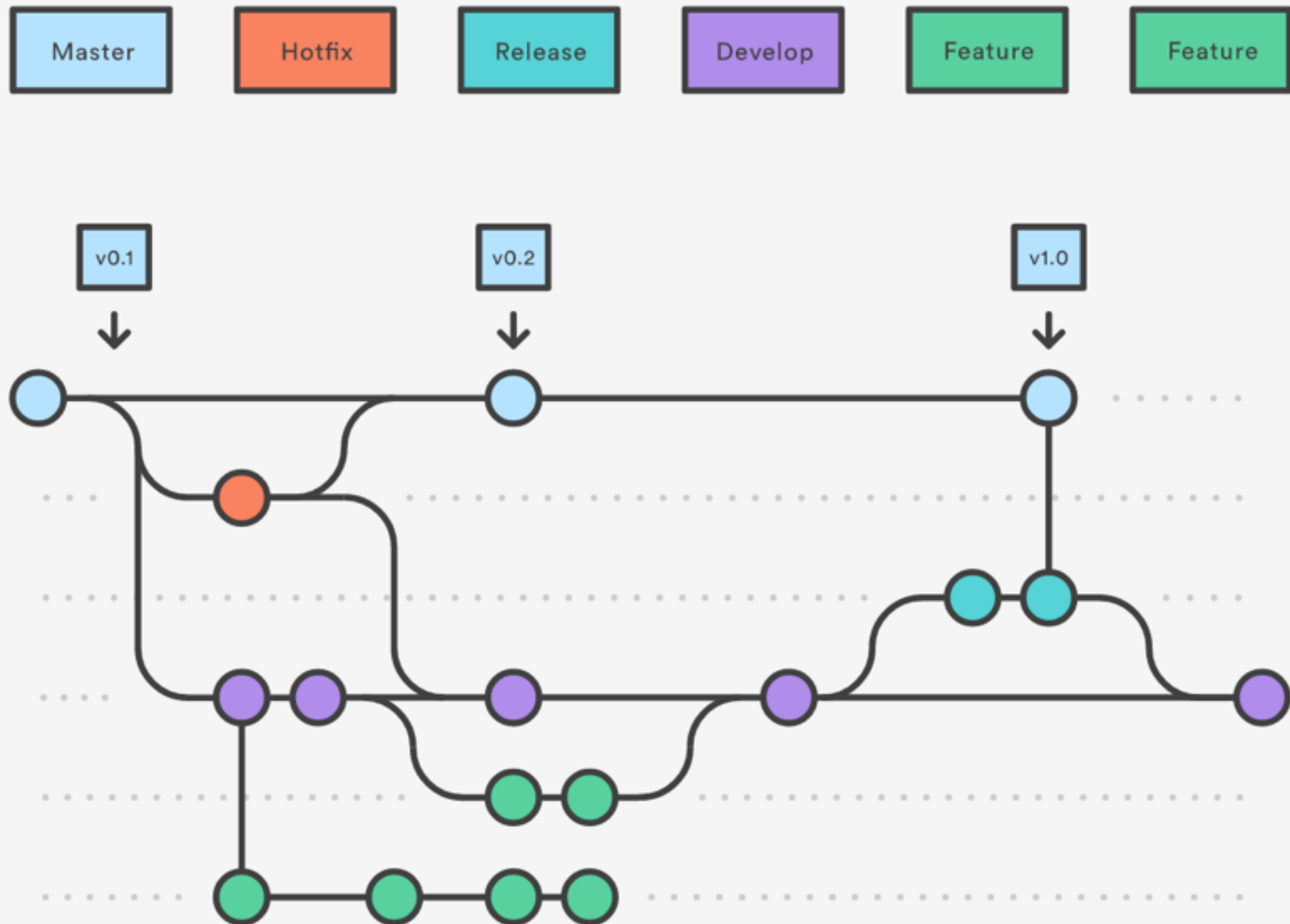
List

- Product / Develop / Operation
- Software lifecycle
- ITIL
- Source Control
- Evolution of A Website's Architecture
- AA & SSO
- Cache
- Message Queue
- Storage
- Database and SQL
- NoSQL & New SQL
- TOGAF & 4+1 Arch View
- 测试
- 发布
- 监控

Source Control

- Tools
 - GIT
 - SVN
 - VSS
- Source Control Workflow
 - Dev/Mainline/Release/Hotfix

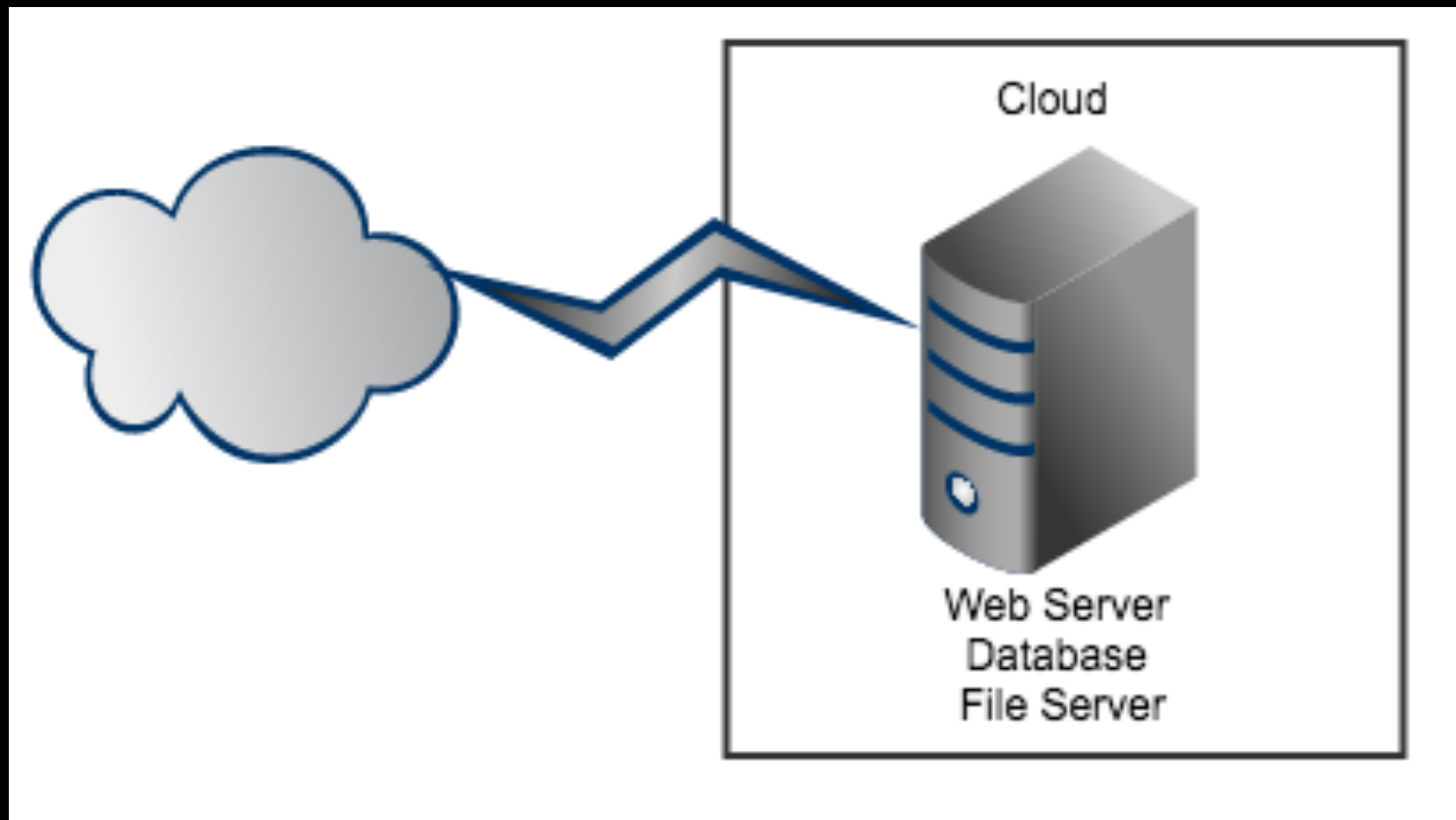
GIT Workflow



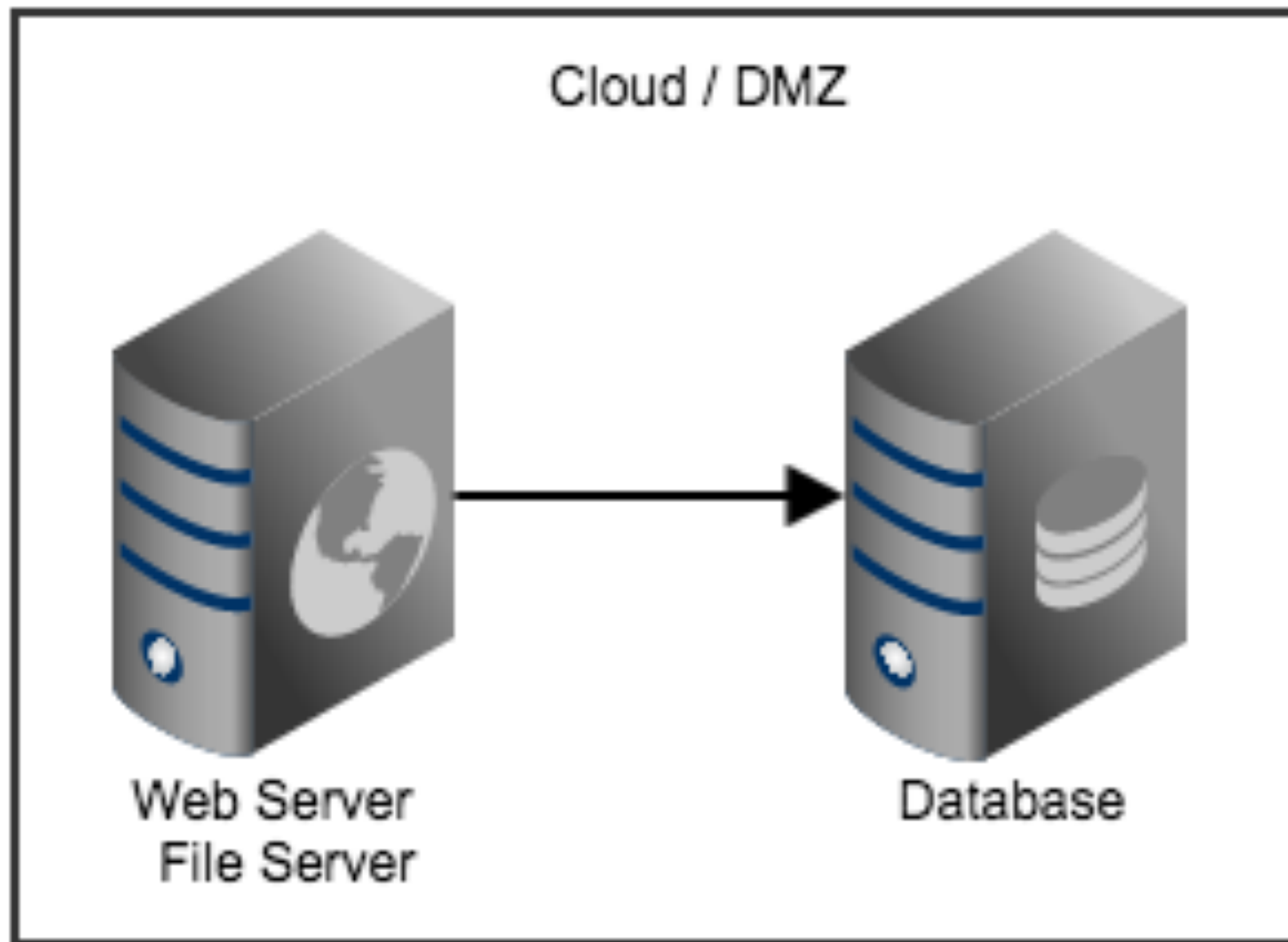
Evolution of a Site's Arch

- 单机 (Web + DB + File Server)
- Web / DB分离 (Web + File Server; DB)
 - Varnish / Squid / Nginx缓存
- Web集群 (Web [多台] , File Server, DB)
- 增加缓存 (Web, Memcache / Redis, File Server, DB)
- 业务拆分 / 服务化
- 读写分离 / Sharding
- 异步化 / 大数据

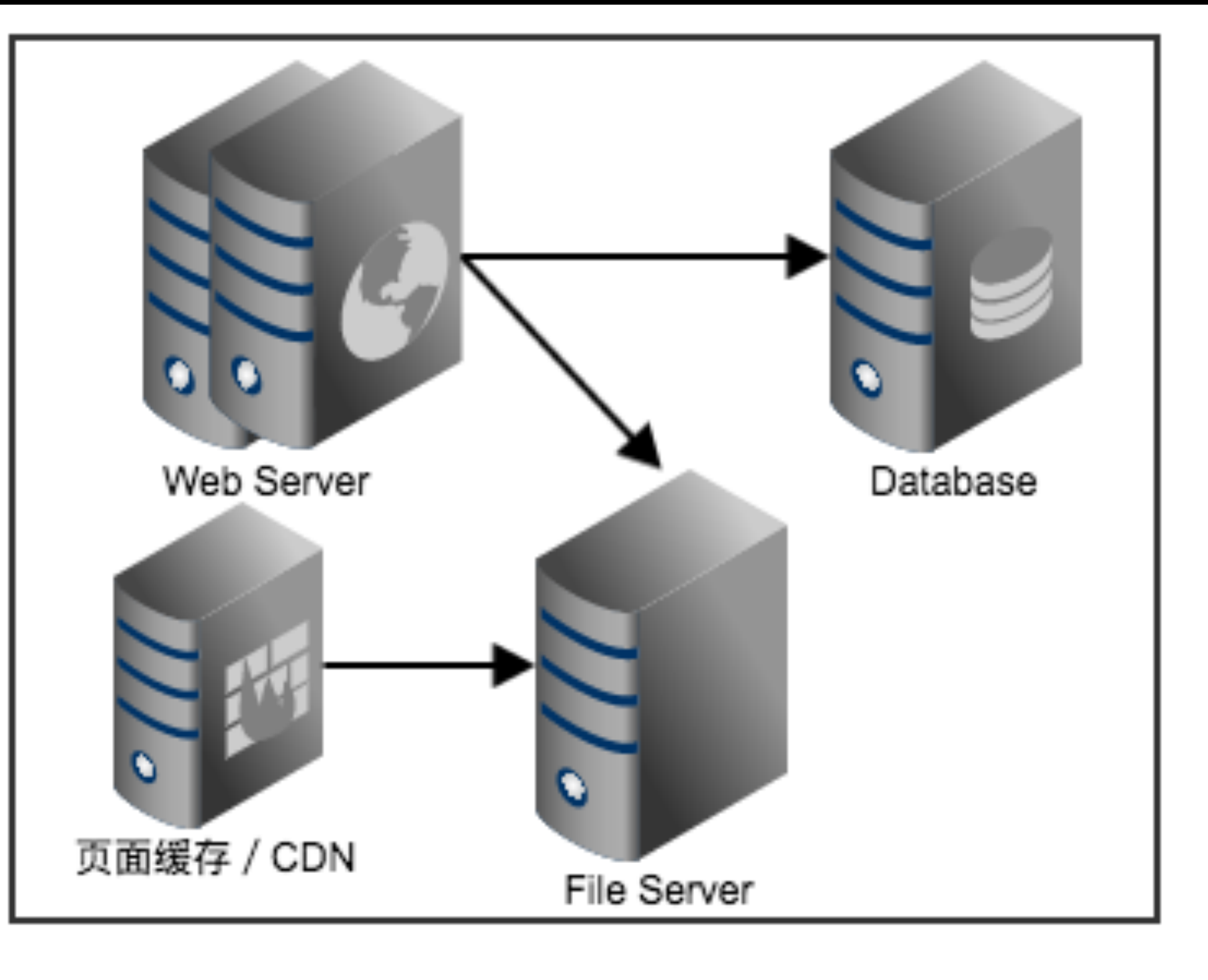
单机



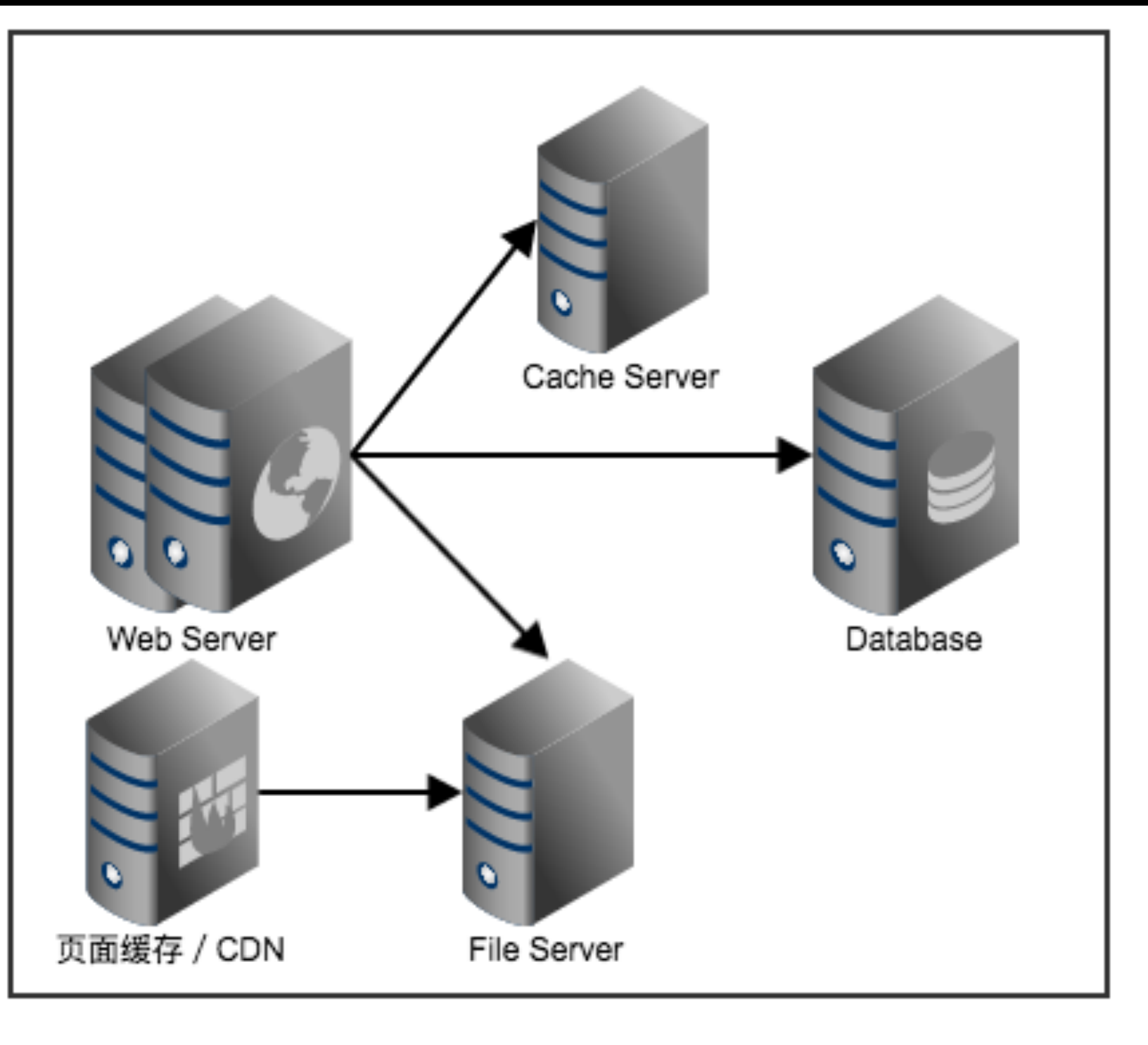
Web/DB分离



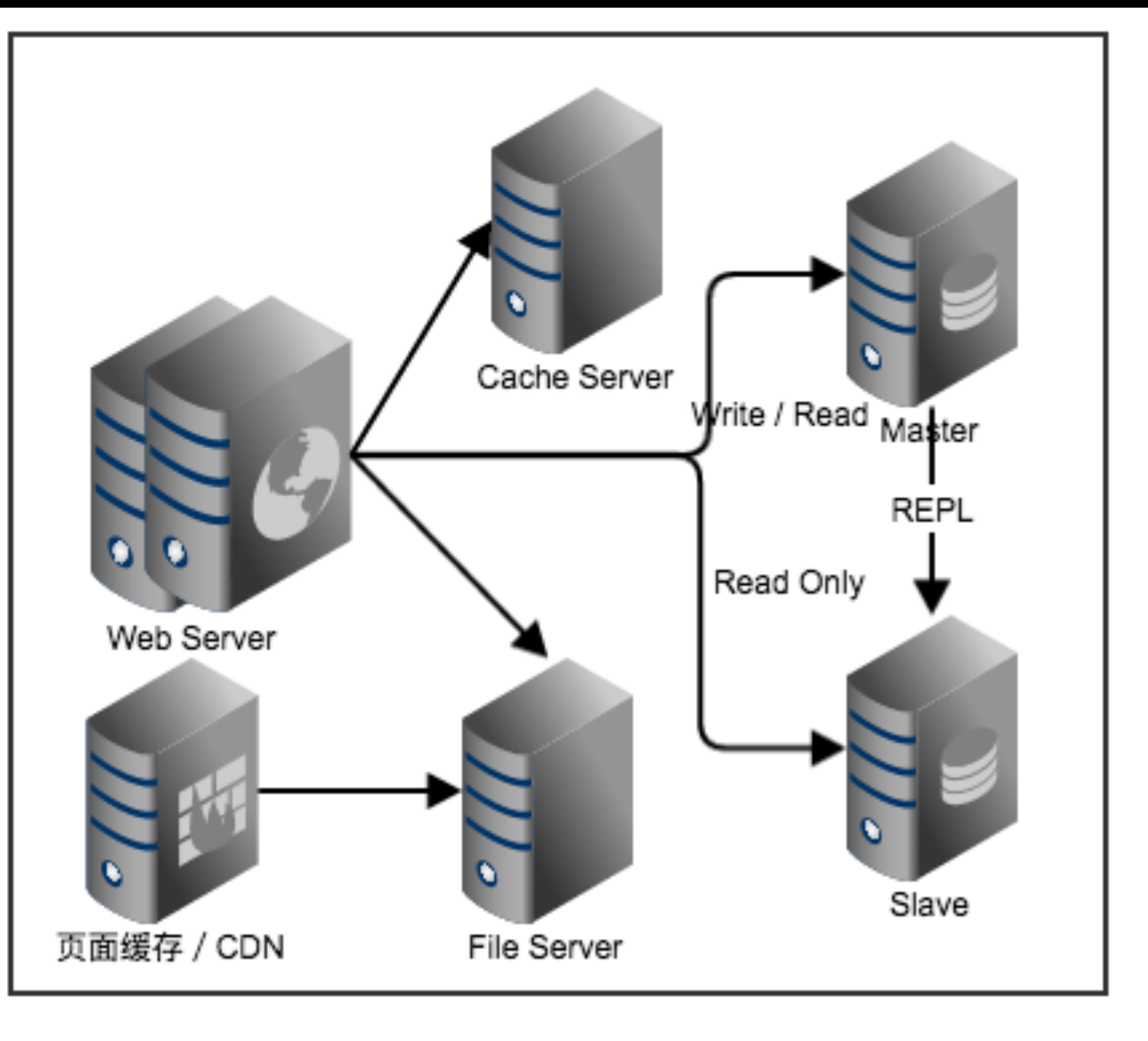
页面缓存



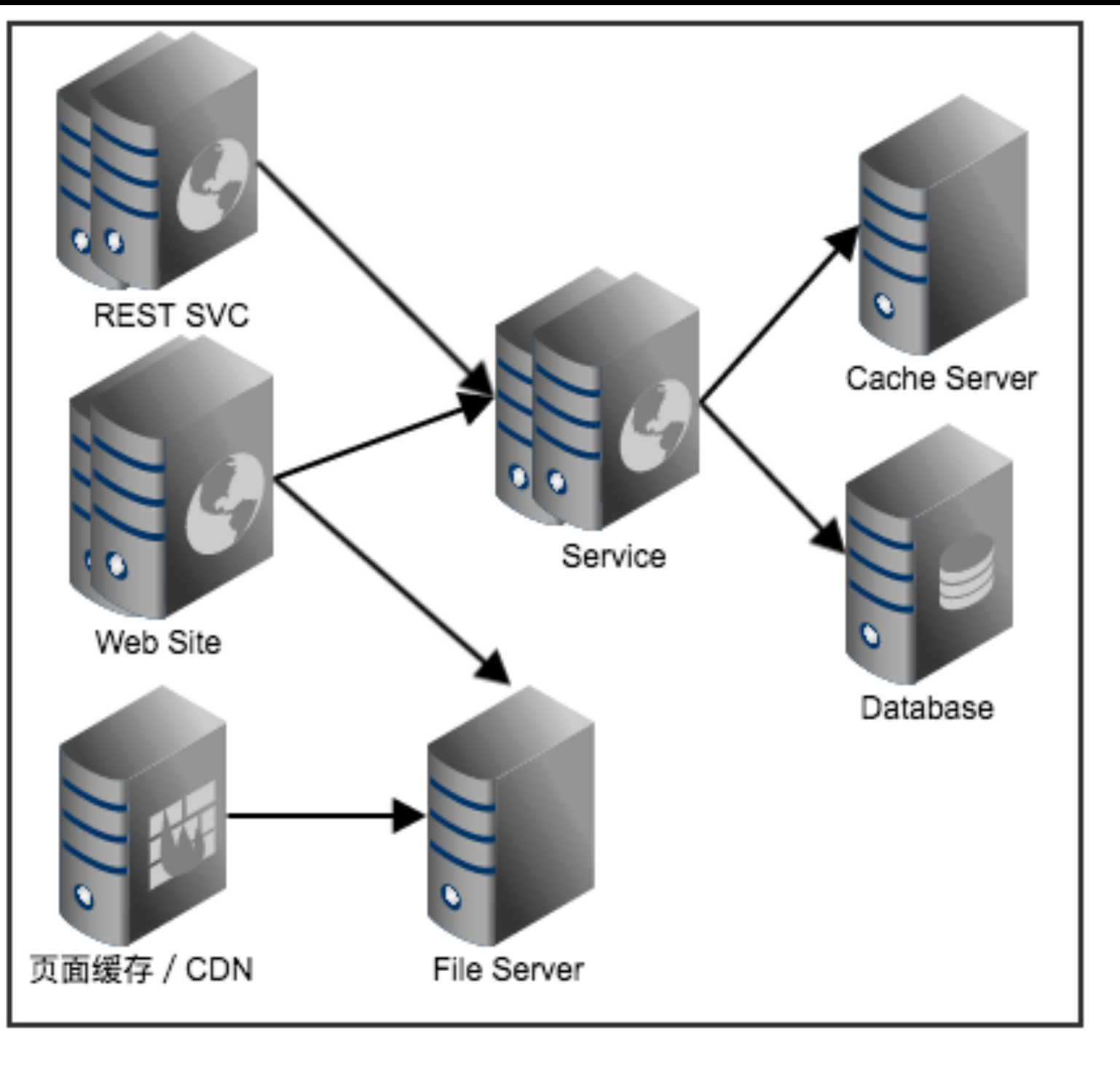
缓存服务



读写分离

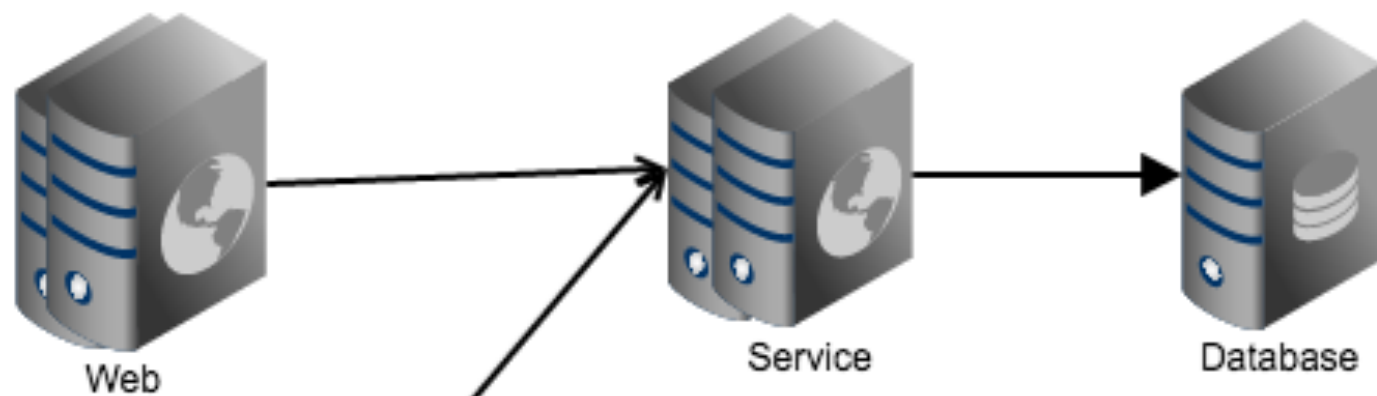


服务化

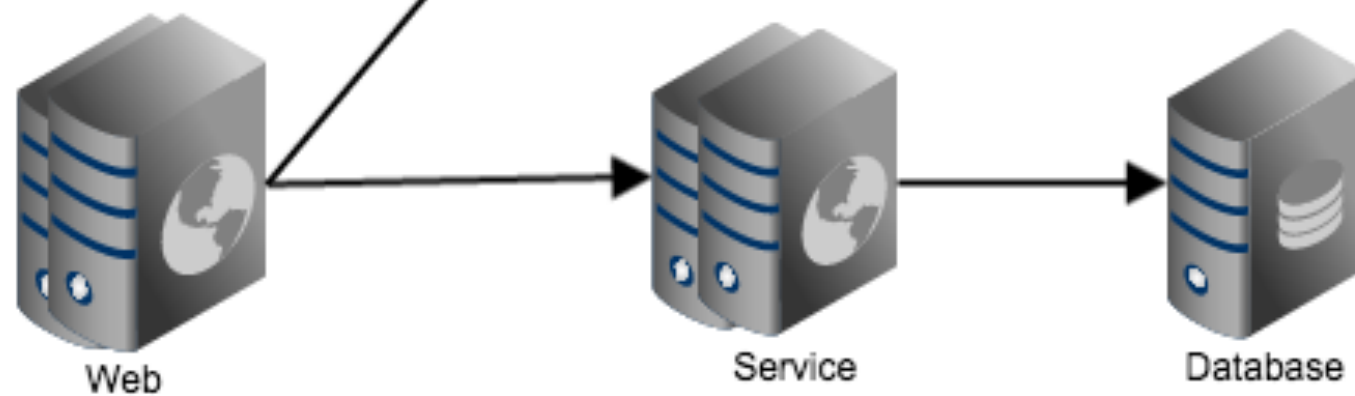


业务拆分

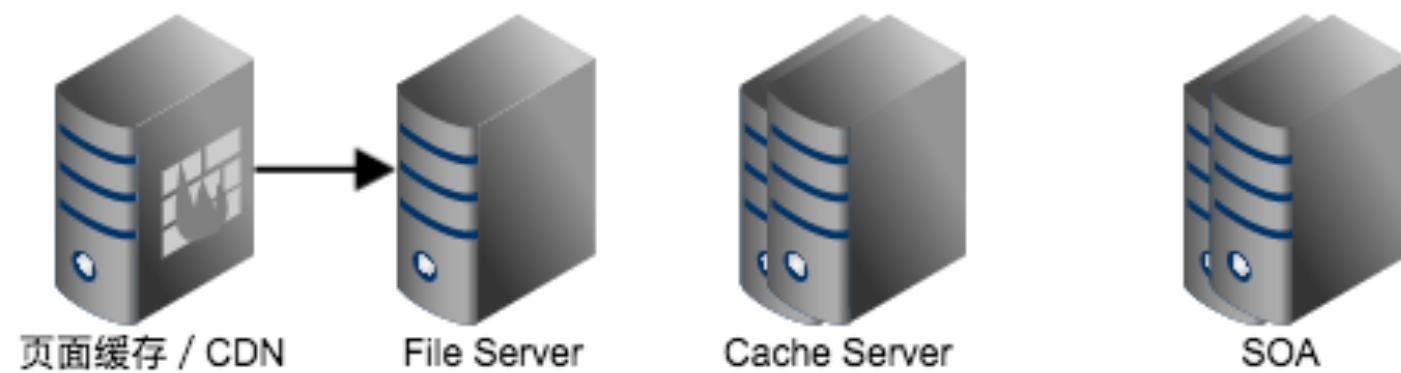
A业务线



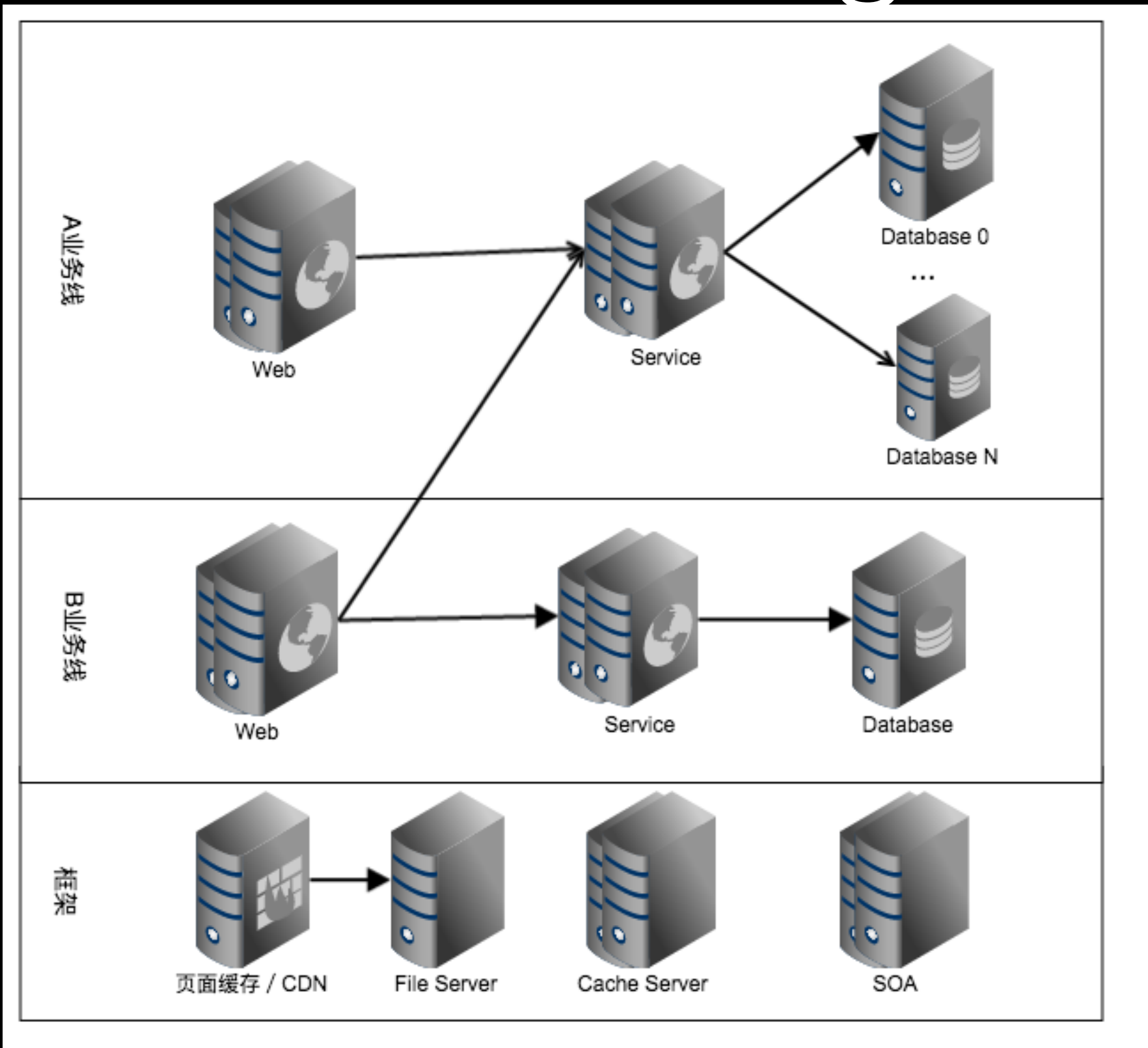
B业务线



框架



Sharding



补充

- 这里只是思路，并不是所有都是同样途径
- 适当的时候可以考虑Scale Up
- Suitable Solution is better than BEST Solution

References

- git workflow: <http://nvie.com/posts/a-successful-git-branching-model/>
- git workflow: <https://www.atlassian.com/git/tutorials/comparing-workflows>
- 网站架构演变: <http://greemranqq.iteye.com/blog/1997800>
- 多环境Maven配置管理: <http://buzheng.org/maven-profile-for-multiple-enviroments.html>
- Maven Profile: <http://buzheng.org/maven-profile-for-multiple-enviroments.html>
- [Maven: The Complete Reference](<http://books.sonatype.com/mvnref-book/reference/public-book.html>)
- [Maven by Example](<http://books.sonatype.com/mvnex-book/reference/public-book.html>)