

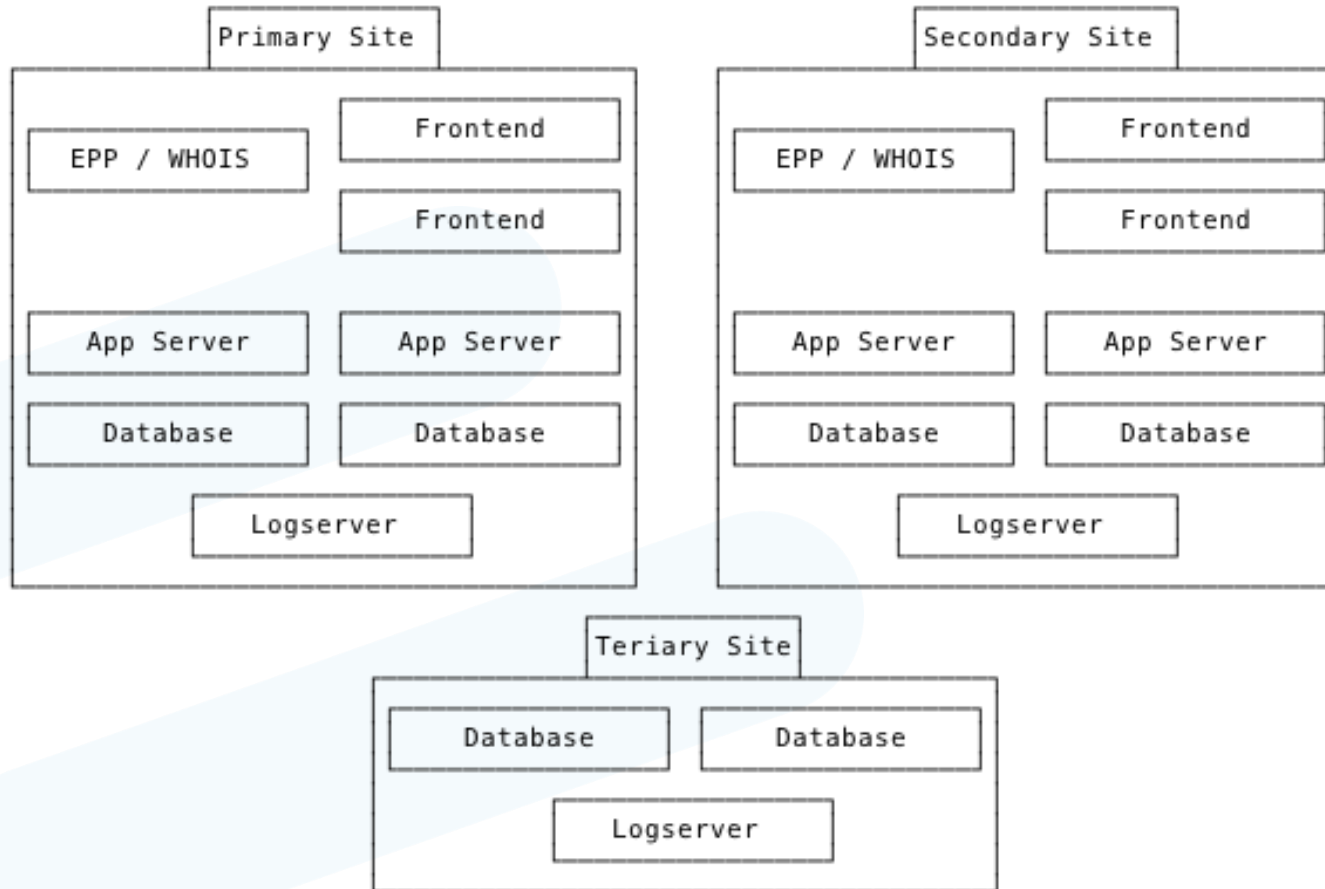
Infrastructure overview

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Sr Systems Admin

Multi-site Overview



SRS general info

- Run from one site at a time
- Geographically diverse
- Each site in theory independent
 - except database slaves
 - requires synchronous slave at alternate site
- Switch sites via DNS
- Mostly Perl based
- Open source tools preferred
- Source was available, will be again soon
- Operations driven 100% via Ansible

Frontend

- Apache 2.4, mod_perl, mod_ssl, mod_proxy
- Adds SRS headers
 - Transaction sequence ID
 - Frontend ID
 - Timing info
- Sets rate limiting for SRS XML
- Proxies to application server
- Single frontend in operation
 - cold standby at each site

EPP / WHOIS

- Apache 2.4, mod_proxy, mod_ssl
 - Proxies REST API to application server
- Starman Perl Application Server
 - Serves REST requests, droplist + availability
- EPP Server
 - Translates EPP requests to application server
- Whois server
 - internal rate limiting
 - public access RFC3912

Application Server

- Starman Perl application server
 - Runs SRS XML queries against database
 - All the SRS logic

Database

- PostgreSQL 9.2
 - Single master
 - Synchronous and asynchronous slaves
 - Thats about it

Logserver

- Log everything from local site hosts
- Summarise and send to central statistics db
- Monitors local site performance and availability



Questions ?

