Internet

Traffic
- Static
- Dynamic
- Search
- Media
- Malicious

```
cornerstonesf.org
cornerstonesf.com
cdn#.cornerstonesf.org
media#.cornerstonesf.org
```

CDN

`direct.cornerstonesf.org`

Load Balancer

Web / Application

App1   NGINX / Unicorn / Node.js

App2   NGINX / Unicorn / Node.js

Publicly Open Ports
- Web [80, 443]
- SSH/GIT/Chef [55555] + Fail2Ban

Private Network Ports
- Redis [6379]
- ElasticSearch [9300]

Database

DB1
- M/S Failover
- PostgreSQL

DB2
- M/S Failover
- PostgreSQL

Publicly Open Ports
- SSH/GIT/Chef [55555] + Fail2Ban

Private Network
- **Ports**: MariaDB [3306]
- **IP Whitelist**: App, Util

`media.cornerstonesf.org`

Replicated Storage

S3 • Glacier

Ops/Deployment

GitHub • Chef • Capistrano

Monitoring

New Relic • Airbrake
AWS CloudWatch

Search

search1

search2

Publicly Open Ports
- SSH/GIT/Chef [55555] + Fail2Ban

Private Network Ports
- **Ports**: ElasticSearch [9300]
- **IP Whitelist**: App, Util

Queue / Utility / Cache

Util1
- Redis (m/s Failover - Sentinel)
- Resque / resque-scheduler
- Passenger 5 (open source) - Sinatra Resque Web

Util2
- Redis (m/s Failover - Sentinel)
- Resque / resque-scheduler
- Passenger 5 (open source) - Sinatra Resque Web

Publicly Open Ports
- SSH/GIT/Chef [55555] + Fail2 Ban

Private Network
- **Ports**: Redis [6379], thin[3000]
- **IP Whitelist**: App

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staging.connerstonesf.org

Staging

Varnish
Cache • HTTP Auth

Web
NGINX

MariaDB
Seed Data • Production Snapshot

App
Unicorn - Sporos

App
Unicorn - Sporos
Developer Tools

ElasticSearch

Utility
Resque • Cron

Redis

IP Tables • Fail2Ban

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Redundant Storage
S3 (Reduced Redundancy Storage)