



LAMP scaling 101

zgphp meeting 2012-10-18

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- static requests**
- odvojeni od app servera
 - distribucije po mreži
 - CDN?

- static assets**
- static requests (css/js/img)
 - app requests (html)
 - database
 - storage / user uploads

- rezime**
- static - offload and forget
 - php - multi-server, shared nothing
 - db - particioniranje, sharding, no joins
 - storage - offload and forget
- pitanja?**

- PHP scaling 101**
- opcode cache
 - static page caching
 - memcached

- database - replicate**
- master/slave
 - performance
 - replication lag
 - update-select

- storage**
- S3 or R2
 - CDN
 - AWS S3 "static" presigned





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- database - replication**
- master/slave
 - performance
 - replication lag
 - update-select

- storage**
- OS / HW
 - CDN?
 - App files "static" content

rezime

- static - offload and forget
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- storage - offload and forget

pitanja?



LAMP app

- static requests (css/js/img)
- app requests (php)
- database
- storage / user uploads

static requests

- odvojiti od app servera
- drugacije potrebe
 - drugaciji setup
 - nginx
- CDN?

PHP scaling 101

- opcode cache
- static page caching
- memcached

PHP na više servera?

- nema sessiona
- nema zajednickog lokalnog cachea
- race conditioni
- centralizirana konfiguracija

cron?

- distribucija preko cijele flote servera
- mehanizam za izvravanje asinhronih zadataka

cron?

- distribucija preko cijele flote servera
- mehanizam za izvršavanje asinhronih zadataka

database - replikacija

- master/slave
- performanse
- replication lag
- update+select

database - pooling

- isolation of concerns
- isolation of pain points
- higher cache hit rate

database - pooling

- isolation of concerns
- isolation of pain points
- higher cache hit rate

database - sharding

- vertical (svaki podaci u drugoj tablici)
- horizontal (po koloni)
- no joins



database - sharding

- vertical (suvisni podaci u dodatne tablice)
- horizontal (po koloni)
- no joins



database - wenching

- skupljanje slicnih zahtjeva i izvorsavanje u zadnji tren

storage

- S3 or DIY
- CDN
- vise nisu "lokalni" podaci

rezime

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pitanja?

hvala!

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hvala!

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