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Schedule an interview at the Acquia booth this weekend.

Not looking for a career move, but know friends who are?

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<u>acquia.employeereferrals.com</u>



ACQUIA IS HIRING!

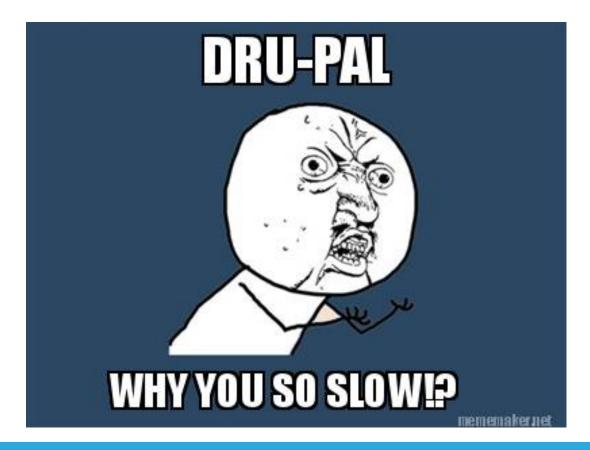
- Customer Success Engineers
- Drupal Performance Engineer
- Senior Executive Assistant (Boston, MA)
- Cloud Systems Engineers
- Distributed Systems Cloud Engineer
- Drupal Engineers
- PHP/JavaScript Engineer (Toronto)
- Technical Recruiter

- · eCommerce Senior Product Manager
- Senior UX Designer
- Senior Technical Cloud Product Manager
- Technical Architects
- Technical Consultants
- Solutions Architects
- And Sales & Marketing roles!

Some roles are remote or have specific locations; consult the careers site!



THE PROBLEM



Overview of how CDN's work

- Vocabulary
 - Client end user making requests
 - Edge nodes out on the CDN network where you content is served from
 - Origin Where you site(s) are hosted

Standard client request and response model





Media Rich sites





Mobile advantages

Mobile carriers network edges are often not where you are!

Some CDN providers have special compression rules for Mobile requests.

MUST have for Mobile heavy sites.



Types of CDN implementations that work well with Drupal

- Asset Caching via CDN module
 - images/video,CSS, JS are served from CDN
- Full Site caching via DNS
 - All traffic requests are fed through CDN
 - CDN rules manage page cache rules along with asset caching

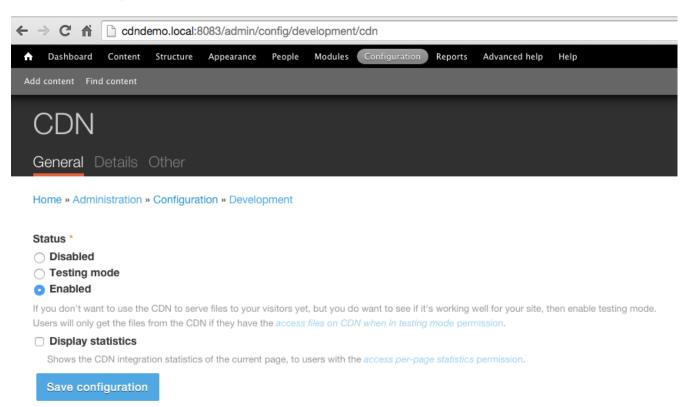
Asset Caching with Drupal is easy

- Sign up for CDN
- Install CDN module
- Configure module
- WIN!



Asset Caching with Drupal is easy (cont.)

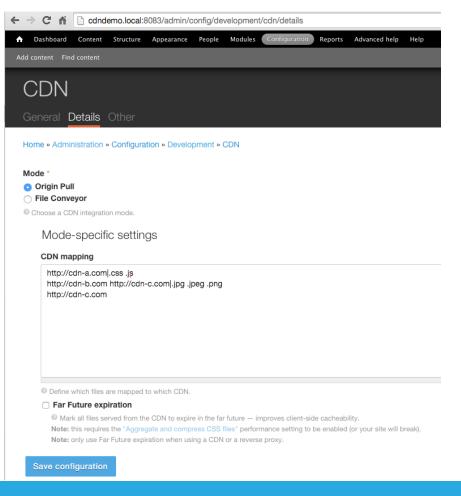
Configuration of CDN module step 1





Asset Caching with Drupal is easy (cont.)

Configuration of CDN module step 2





Full Site Caching

- Page caches are served from Edge along with assets
- Respects cache-control header response from Origin
- Overrides to Cache-Control response with rules specified in the CDN configuration
- Usually enabled by pointing DNS for domain to CDN provider
- Requires a separate Origin domain (eg: origin.acme.com)
- More involved setup

Video Delivery

- Fast. period.
- Support for "Scrobbing"
- Upload directly to CDN storage

Security

- Protect DDOS vectors
- Login protection
- Bot protection
- Block large amounts of requests from single IPs
- IP Whitelisting for editorial/administration staff

"Gotcha's!"



- Authenticated sessions (editors/members)
 - set no-cache for SESSxxx cookies
- Images don't update when changed
 - might require API integration to purge assets, or manual purging of assets at CDN layer
- Use purge module or CDN specific module (check D.O. first, many providers have a module that does this for you:)

Vendors worth taking a look at

CONTENT DELIVERY NETWORK

- Akamai
- Cloudfront
- Cloudflare
- Fastly
- Incapsula
- MAXCDN





amazon cloudfront





With FREE ACCOUNTS there are



Questions and Answers

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