

Summoning Super Hero Powers

Varnish, Drupal and open source at KPN

Version: 1.0

Presented: Varnish User Group Meeting #6, London

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Disclaimer

- KPN is a publicly traded company.
<insert lawyerese blob of text here>

Questions:

- Interrupt, please.
- No (t allowed to) Answer?:
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Profile: Paul Krischer

- Birth Names: Jean Paul
- Call me: Paul
- KPN HR: Jean
- Department: Hosting (?)

1-2012: KPN to Getronics to KPN

Job title? (Choose One)

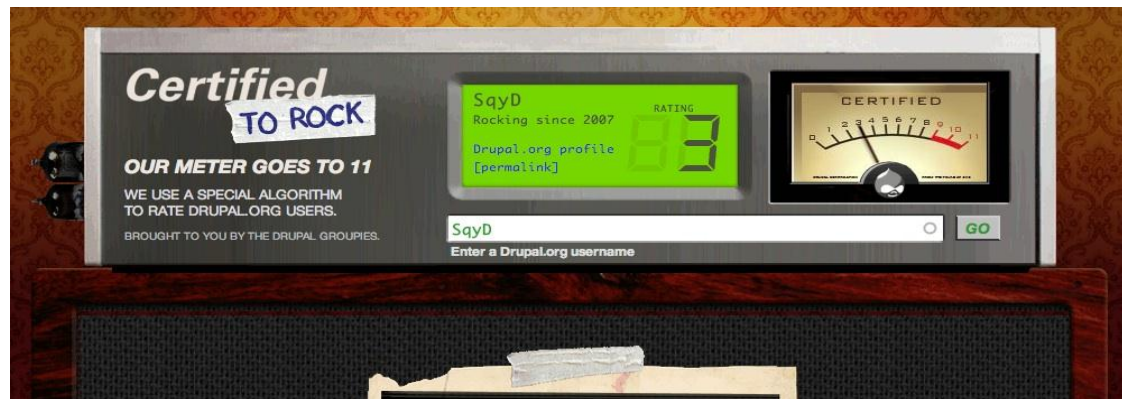
- Technisch Applicatie Beheerder
- End to end Solution Architect
- Social Engineer
- Hacker
- N00b



SqyD: Free and Open Source Software Hippie

- Nickname: SqyD
- Open Source Evangelist
- Active Drupal contributor
- (Co) Organize Drupal Events
- Varnish Release Party Website

Sqyd.net
@SqyD
Drupal uid 106525
Drupaljam.nl
3.0: RIP ☹ 4.0 ??



- **Telco & IT Services**
- **Largest IT shop in .nl**
- **20.000+ and declining**

Hosting:

- **Masshosting**
- **Webhosting XL**
- **Java / LAMP CMS**
- **Proprietary Java CMS's**
- **Drupal**

Open Source:

- **Red Hat Linux**
- **Nagios, Cacti, GLPI etc**
- **And...**



Flying Super Hero's at work at KPN



Varnish at KPN since 2008 (?)

NetCache platform

- 8 black boxes
- “Proprietary” OS
- Huge initial investment
- Pricey (HW) support contract
- “Don’t touch!”

KPN Varnish Platform 1.x

- 2 Huge HP Intel machines
- Red Hat Enterprise Linux
- Varnish 1.x

KPN Varnish Platform 2.x

- 4 standard HP Intel blade servers
- Varnish 2.x

Paid support by Varnish Software (Redpill/Linpro)

- > 1 Year for contract negotiations (sorry!)
- Precedent for other Open Source Software support contracts

Varnish platform at KPN

- Shared platform for internal and external clients
- Cisco Ace Load balancing & SSL offloading
- Varnish also load balances some sites
- VCL split in multiple files for global and client specific configuration
- SNMP with some inline c tweaking in the vcl config.
- Nagios integration
- Cacti integration
- Purge/Ban over http

Purge:

Drupal module for proxy cache invalidation

Demand:

- Integration between CMS and Reverse Proxy Cache for invalidation
- Drupal

Problem:

- Varnish module for Drupal: Console only <http://drupal.org/project/varnish>
- Varnish Admin Console = Nogo @KPN
- Cache Clear All

Solution:

- Generic Purge module <http://drupal.org/project/purge>
- Purges single url's from cache over http
- Uses curl_multi for parallel http requests
- Drupal 6.x and 7.x
- Niche audience for big sites: 300+ users

Observe Hack Make

July 31st – Aug 4th 2013

Geestmerambacht, NL

<http://ohm2013.org/>

Dank