

Velkommen til Linpro

Norges ledende bedrift innen Linux og åpen programvare



Kort om Varnish

Dag-Erling Smørgrav
Senior Programvareutvikler
Fagansvarlig C / C++

2007-04-26

- HTTP-akselerator, aka «reverse proxy»
- Moderne arkitektur, høy ytelse
- Open Source (revidert BSD-lisens)
- Utviklet av Poul-Henning Kamp i samarbeid med Linpro
- Finansiert av
 - VG Nett (fase 1)
 - ??? (fase 2 – ikke offisielt annonsert)

- Tar imot klientforespørsler på vegne av en HTTP-tjener, mellomlagrer resultatene
- Betraktelig lastreduksjon på tunge CMS-systemer
- Raskere leveranse også av statiske objekter
- Lav responstid

- Åpne:
 - Squid i reverse-modus
 - Apache + mod_cache
 - HA Proxy
 - Pound
- Proprietære:
 - Oracle Web Cache
 - Akamai
 - Microsoft ISA Server
 - mange andre...

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- Dansk selvstendig konsulent
- 20+ års erfaring med Unix
- En av grunnleggerne av FreeBSD
- GEOM, devfs, malloc m.m.
- MD5-passord
- Motivasjon for Varnish:
 - Lei av at folk skriver programvare for 70-tallet
 - Vise hva kjernen «hans» er i stand til



«The biggest wrong, IMO, is that people still program for the computer architecture of the 1970ies and 1980ies: "A computer consists of a central processing unit, internal storage and external storage".

Since BSD 4.3, unix has only emulated that view for backwards compatibility.

The computer architecture to program for today is "A computer has a number of processing units with private caches, sharing a page granularity cache of anonymous and named objects, possibly backed by slow storage devices".

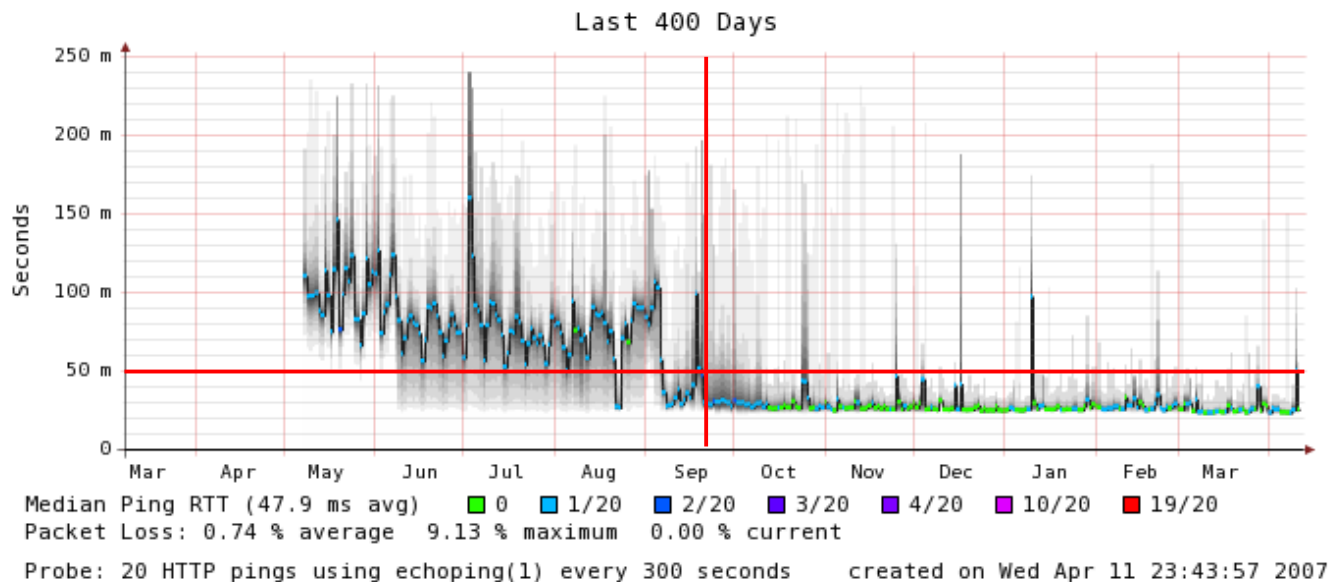
Wrapping your head around that mouthful is the key to high performance.

My hope is that Varnish will serve as an example in this direction.

Poul-Henning»

- Mange kunder som trenger bedre HTTP-ytelse
- Profilering nasjonalt og internasjonalt
- Flaggskip for faggruppe C / C++
- Kult
- \$\$\$

- Ønsket å redusere maskinparken
 - 13 Squid-tjenere → 2 Varnish-tjenere
- Ønsket bedre ytelse



- `<esi:include>`
- URL-omskrivning
- Header-omskrivning
- Full Vary-støtte
- Fordeling av last mot innholdstjenere
- Administrasjonsverktøy

- SSL
- Kompresjon
- Lastfordeling mellom backends
- <your suggestion here>

- Poul-Henning Kamp:
 - arkitektur
 - funksjonalitet
- Linpro:
 - infrastruktur
 - portabilitet
 - dokumentasjon
 - admin-verktøy
 - integrasjon

- <http://varnish.projects.linpro.no/>
- <http://www.varnish-cache.org/>
- <http://people.freebsd.org/~phk/>
- <http://www.linpro.no/>
- <http://www.vg.no/>