Do you want to get 40 Tbps?
Content Delivery Network (CDN)
Because we own and operate one of the world's largest networks, our customers are assured their digital content is superbly delivered on any device, anywhere in the world.

- 2.5+ million server compute capacity
- 9+ tbps egress
- 3.05+ billion objects per hour
- 20+ petabytes cloud storage
- 80+ POPs
- 15,000+ servers
- #1 or #2 performance in 26+ countries
Use cases

• Efficient delivery of the content
• Video streaming
  – Live or Video On Demand
• DoS attacks
How it works

Origin

CDN

Users
France
Germany
Big Players

- Akamai – 1000 POP
- Limelight Networks – 15k Servers in over 80 locations and pears with 900 ISPs globally
- Level3 ~60 POPs
- ....
Who is/not using it?

- Apple
- Microsoft
- Adobe
- CERN 😊
- ...
- Netflix escaped from CDNs, building their own CDN https://openconnect.netflix.com - NGiNX servers
Features & billing

• Push/Pull
• Management, Support, Transcoding, protocols ...
• You are paying for the feature/month and Data trasfered.
• Usually 0.X $ or 0.0X $ per GB - depending on the volume.
CERN

• Limelight Networks
• 3 years contract for 40 TB
• Used Push, but switched last week to Pull
• Higgs update – 04.07.2012
  – 50k peak simultaneous connections
  – 500k uniques viewers
  – Peak bandwidth 40 Gbps
Who needed 40 Tbps?
Questions?