





Just Build More Powerful Data Center?

- VHS quality video streaming: 500 kbps (H.264/VC-1)
 - 200,000 viewers = 100 Gbps
 - DTV quality: 1Mbps
 - DVD quality: 1.5-2Mbps
 - HD quality: 6-10Mbps
- Data center capacity: Tera Grid
 - 30 petabyte of storage
 - 40 Gbps backbone: 80k video viewers
 - 70 days to retrieve all data through the backbone network

Can CDN Help?

- Akamai
 - 20,000 servers, 900 point of presence, 71 countries
 - 300Gbps bandwidth
- Limelight
 - 25 point of presence, hundreds servers per presence
 - 1,000Gbps bandwidth
- Combined: 2.6 million viewers.
- Current TV audience
 - Olympics: 2.5 billion viewers
 - Each viewer may have his/her own interest (different sport event, athlete nationality, etc.)













