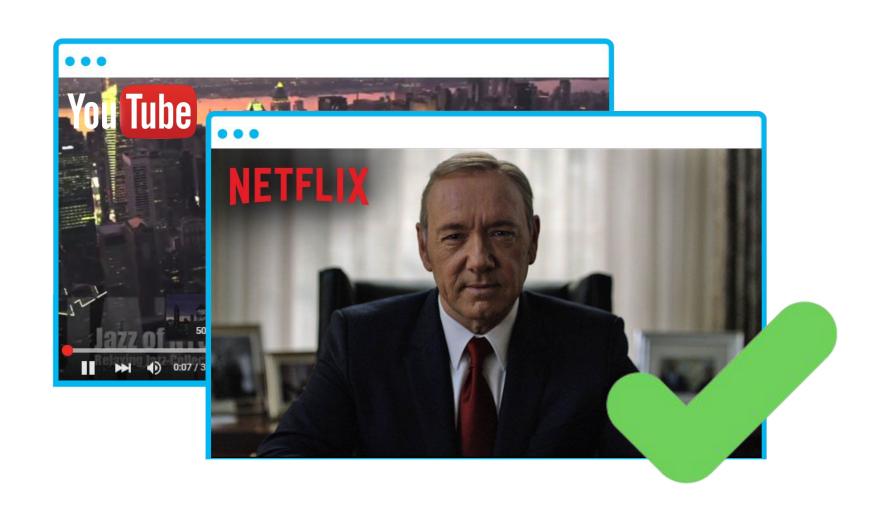


All Video Content is going online



The State of Video Delivery



Netflix, YouTube QoE is excellent



The rest is sluggish and expensive

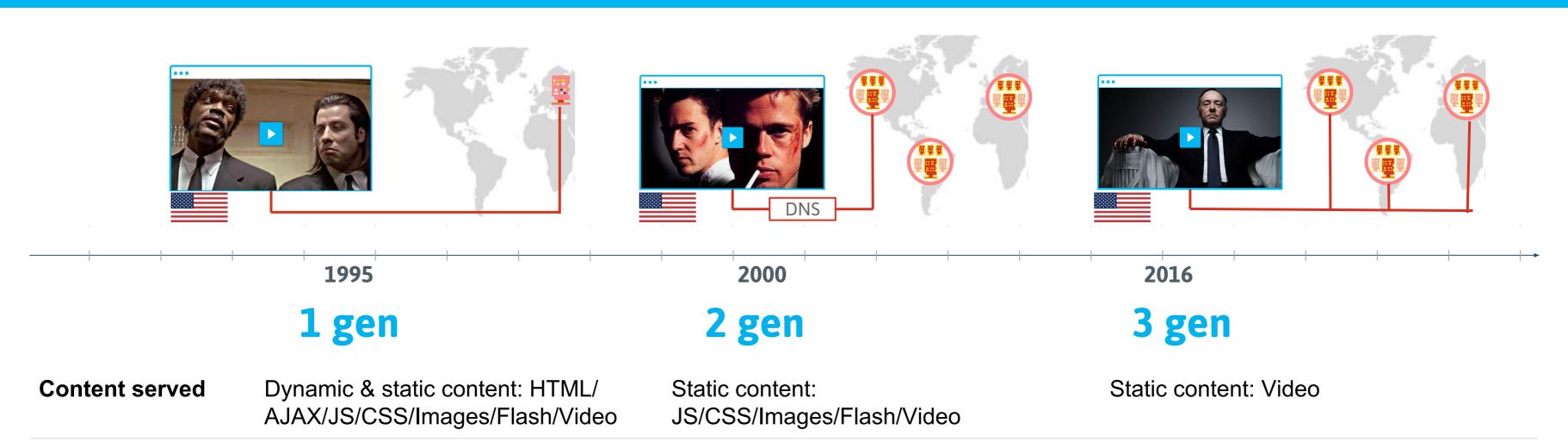
Why is that?

Evolution of Video CDN

Generic HTTP: Apache, nginx,

tinyhttpd, proprietary

Server software



Generic caching proxy: ATS, nginx /

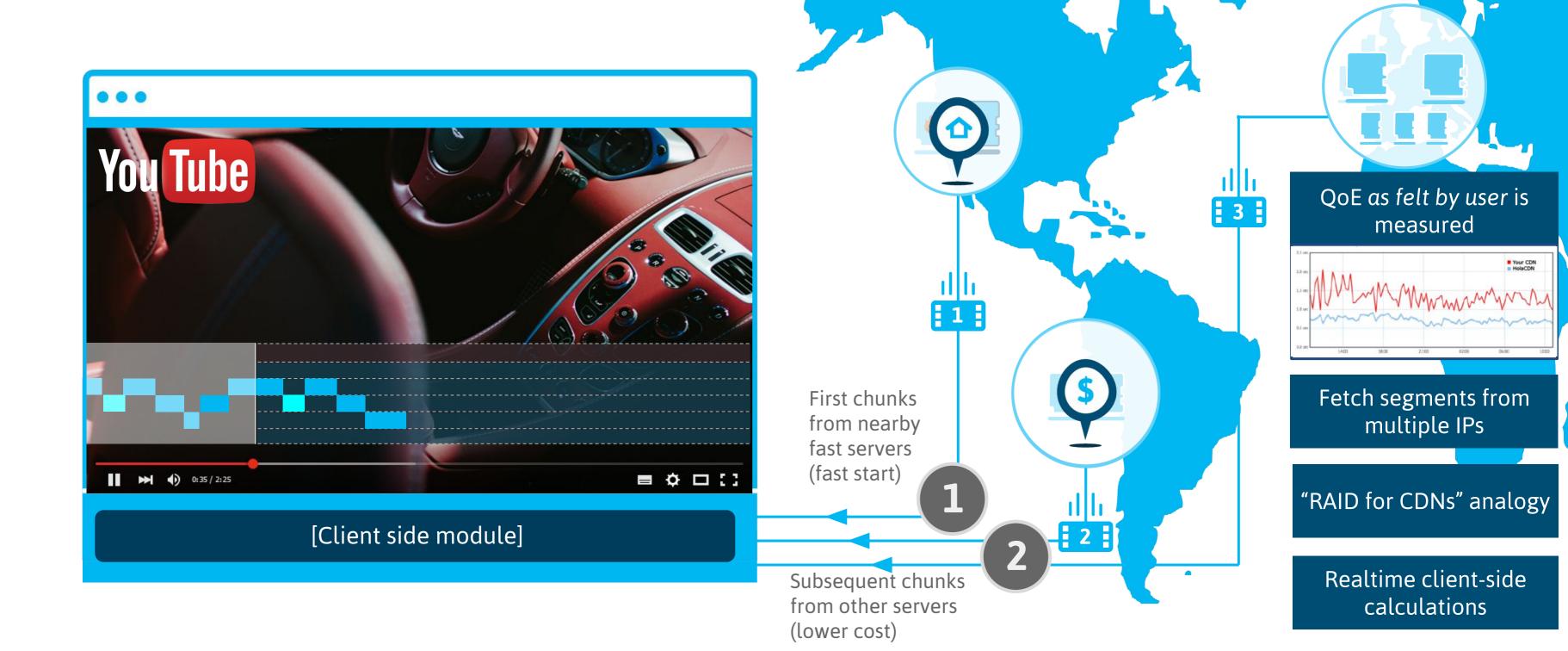
squid optimized for CDN, proprietary

Video only caching proxy

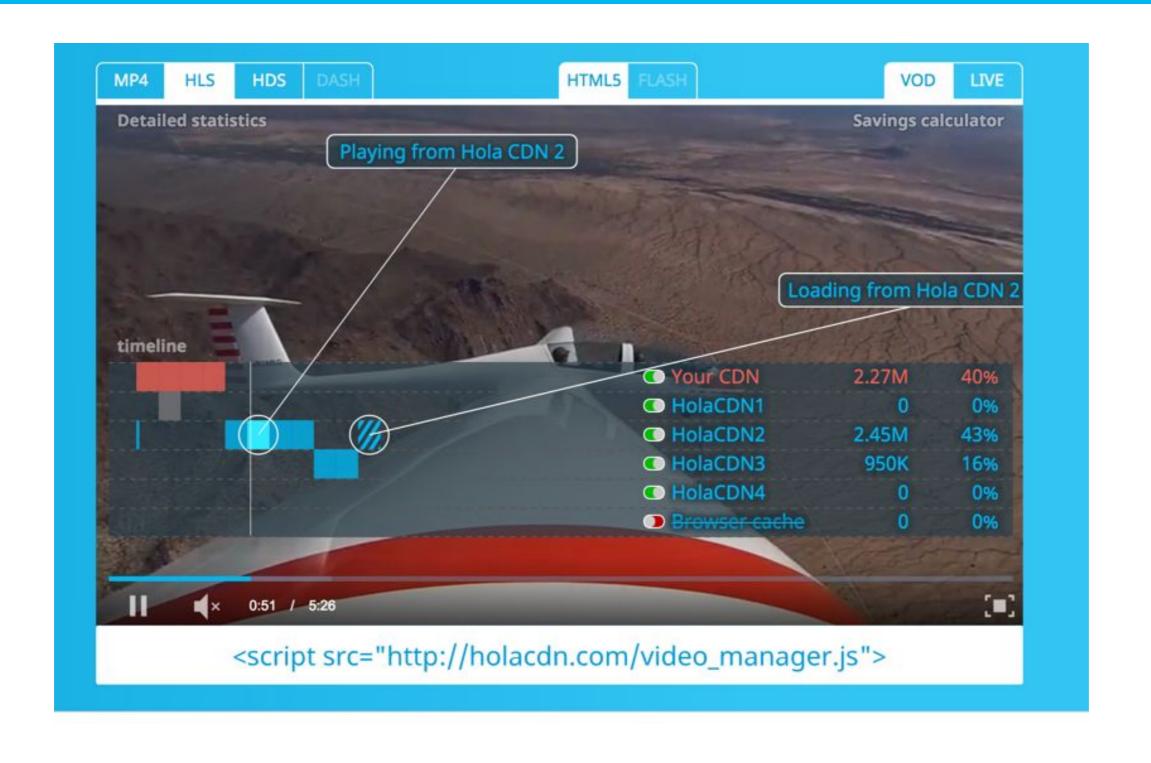
Client sideNONENONEMid-Stream switching, CDN awareServers per stream1 (global)1 (per geo)Multiple (worldwide)QoENot measured, BadGuesstimate, MediocreGranular / Excellent

3rd gen: Mid-Stream Switching

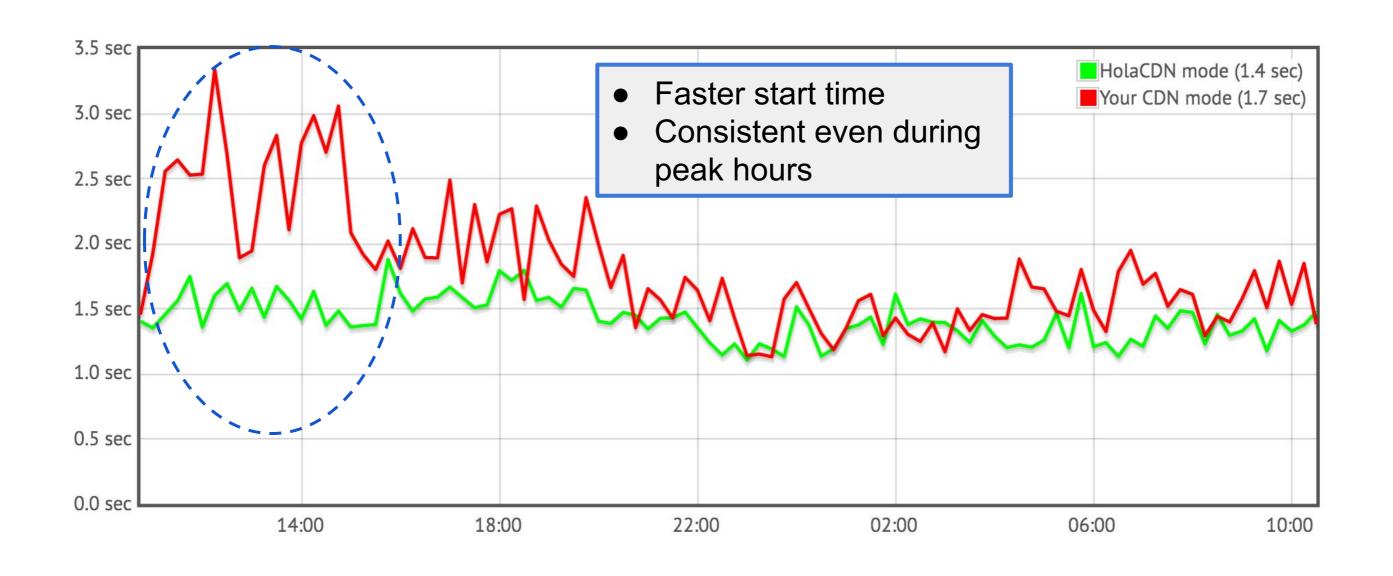
Fast start, less buffering, cheaper costs



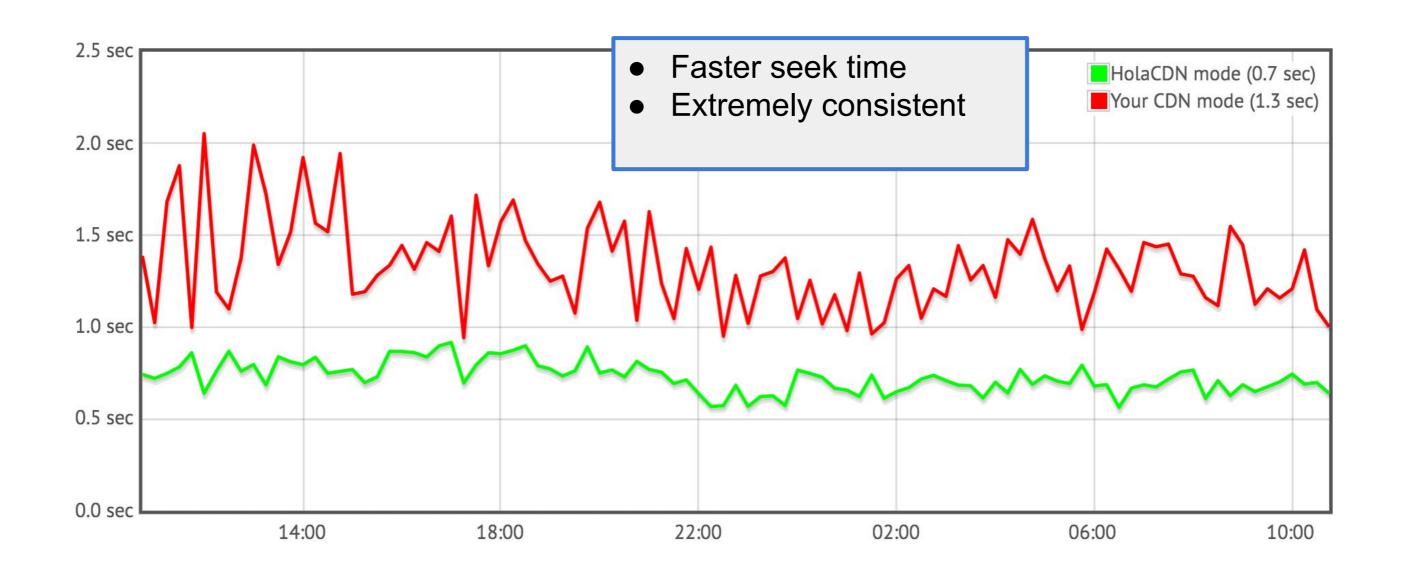
Live Demo



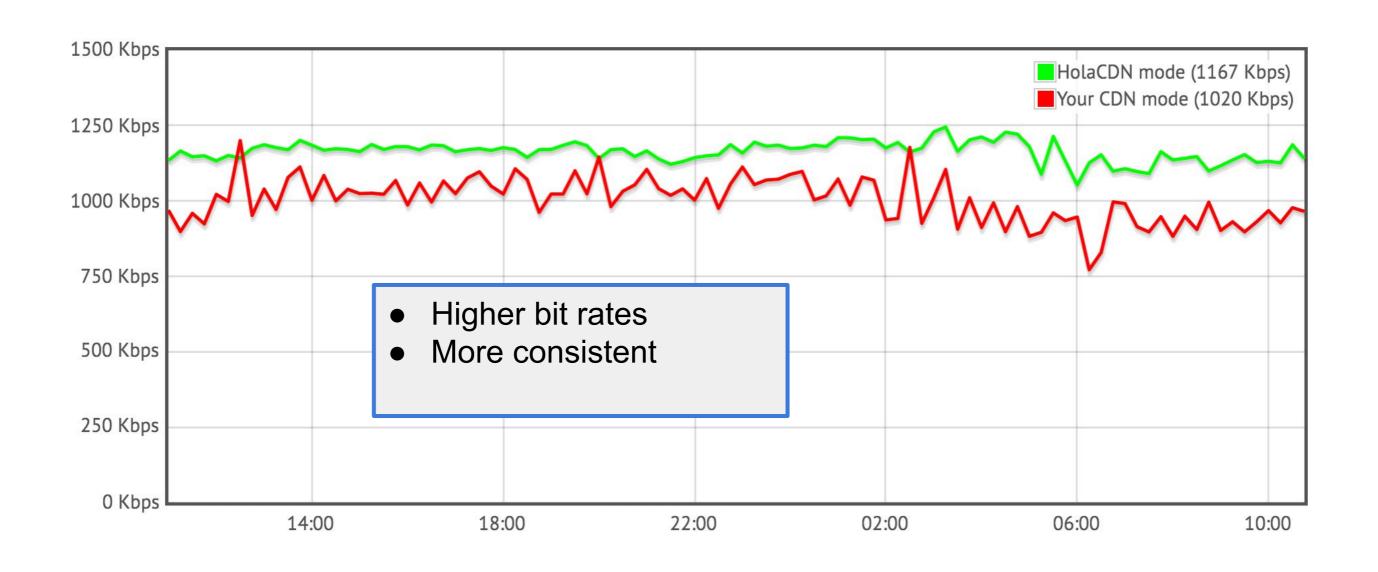
Impact on start time



Impact on seek time



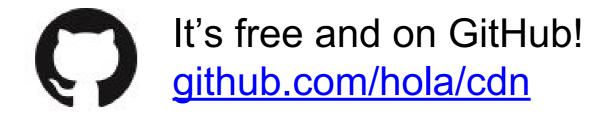
Impact on bitrates





Video QoE dashboard

Browser	Country	Desktop/Mobile	os	Zone	Video source	
all 🕶	all 🕶	all ▼	all 🕶	all ▼	all ▼	
		Al	l your CDNs	HolaCDN	Comments	
► User experienc	e Successful st	art	56.1%	62.6%	12% better	
► Start	Start time		4.6 sec	2.9 sec	37% better	
► Seek	Seek time		2.5 sec	1.2 sec	52% better	
▶ Buffering	Mid-video bu	ffering	5.2%	5.1%	~ same	
► Video quality	Bitrate		-	-		
► General	Clicked play		63%	68.5%	68.5%	
► Multi-CDN	Traffic served		40.7%	59.2%	6	
► Cost savings	HolaCDN cos	t saving	N/A	\$223	71.9% savings	



Multi-CDN client

- Specify cost per source
 - E.g. Akamai \$0.05/GB, Cloudfront \$0.04/GB, HolaCDN \$0.01/GB
- Dynamic switching for best cost/performance
- Choose between:
 - Your own mix of origin and CDN(s)
 - Your CDN(s) + HolaCDN servers



Traffic: Simple Pricing

Pay only for the bandwidth you actually use. Fixed price of 1¢ per GB from the first GB to everywhere in the world, 100% availability. No setup fee, no minimum spend.

	USA & CA	EU	Asia-Pacific	€ NZ	South America
1-50TB	\$0.06			95	\$0.095
51-150TB	\$0.0	A		7	\$0.07
151-400TB	\$0.03	1	-1-0		\$0.06
401-1000TB	\$0.03		CIGB		\$0.05
1-2PB	\$0.02	A.	4 /		\$0.05
3-5PB	\$0.01	m	the first GB, worldwide		\$0.05
Over 5PB		From	Presentitive sa	les@old-cdn.cor	n

