

PEER5

WebRTC based eCDN



Peer5 Solves the Peak Problem

Large companies with offices worldwide use video to keep their employees informed and trained. These videos are watched by many users on the same network and thus congest the network. This results in poor video and also interferes with the employees' ability to access the Internet - this is called the **Peak Demand Problem**.

1

Poor Streaming experience

Network is congested and the user either suffers a poor streaming experience or gets no streaming at all.

2

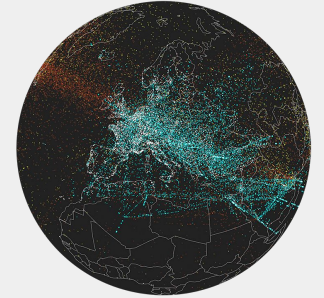
Congested Network

Employees are unable to use the office network to get work done.

3

10X Capacity Needed

Just to handle these peak streaming events. This is expensive to buy and maintain and is an inefficient use of capital and resources.



Peer5 is a SaaS service: Our tracker runs in the cloud and coordinates the viewers. Integration typically takes one day. Customers keep their existing CDNs and add Peer5 on top.

[Click](#) for a real-time map of the Peer5 network. (globe.peer5.com)

Peer5 Solution

To solve the **Peak Demand Problem**, Peer5 creates dynamic mesh networks between viewers who are watching the same video stream and enables the viewers to share the underlying video segments with each other instead of always fetching the segments from the CDN.



95% Bandwidth Reduction

Peer5 will serve 95%-99% of the video traffic consumed by viewers

Reduced congestion through network firewalls and gateways



Improved Viewer Experience

Less buffering and pausing

Higher quality video playback



Simple Installation

No client software to install on employee computers

No caching server to install on the enterprise network



Standard WebRTC

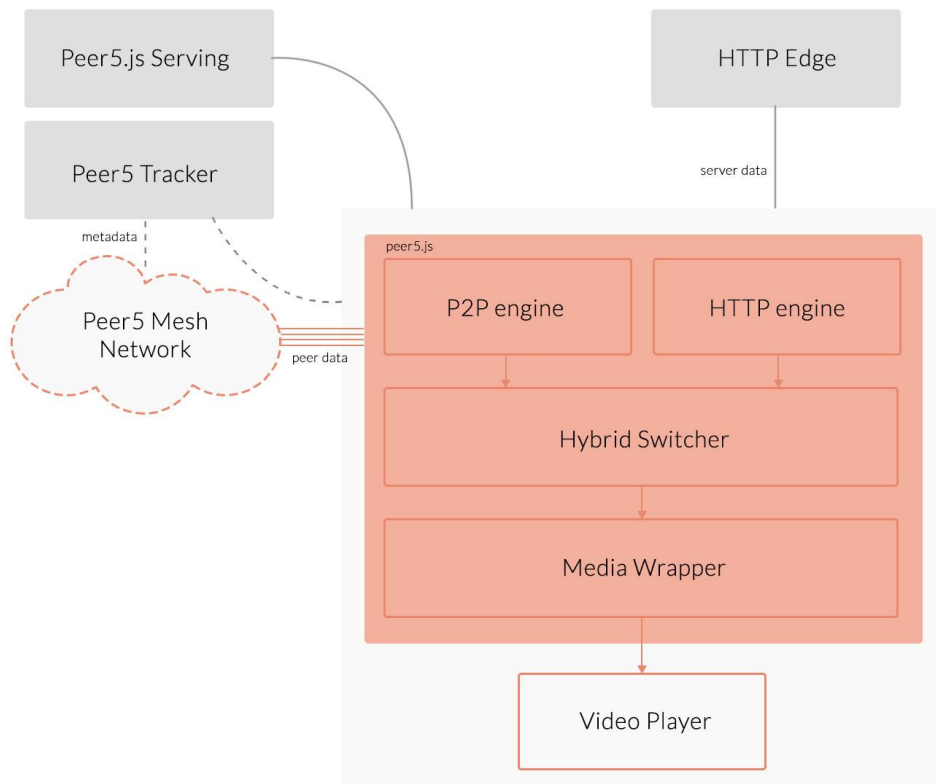


Secure and Private

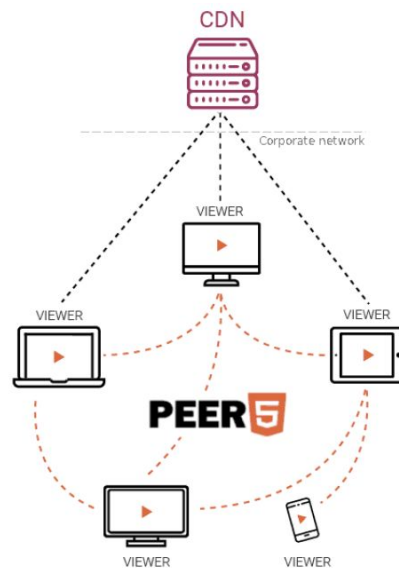
We rely on WebRTC which allows only encrypted communication

Video data is never written to disk

Peer-Assisted Architecture



With Peer5 deployed, users can fetch chunks from the HTTP Edge and/or the P2P Mesh Network



Standard, robust and simple to use

1

WebRTC

Peer5 uses HTML5 standards (WebRTC, Media Source Extensions). No client install is needed. Integrated in all major video players

2

Analytics

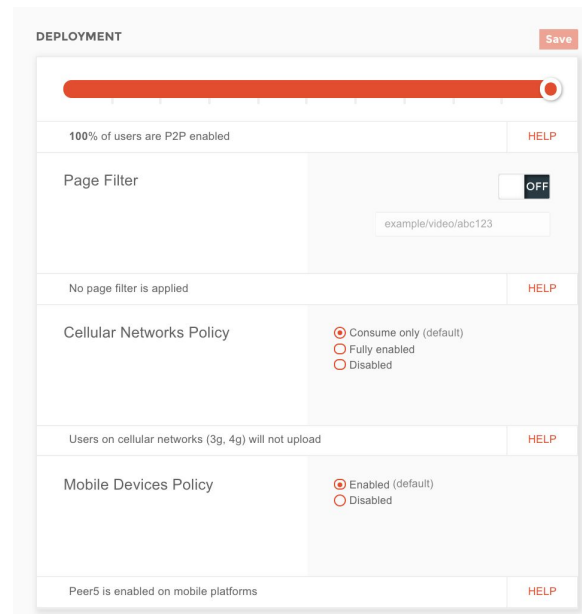
Peer5 provides advanced analytics to measure your video performance and P2P offload in real time.

3

Setup and Peer Management

Peer5 provides a robust backoffice to manage which peers are p2p enabled and to whom they can connect to avoid cross connections.

Peer5 lets you decide how your viewers will connect to each other



Deployed in production

1

Works at scale

Peer5 has successfully enabled internal events streaming to thousands of concurrent viewers

2

10X more capacity

With our P2P delivery, large enterprises offload 90% of their bandwidth, increase their total streaming capacity by 10x and completely mitigate the network saturation problem

3

Proven

We've distributed internal events for SAP, Siemens, DXC and other Fortune 500 companies. These customers can provide references

Proudly works with:



SIEMENS



Unilever



Case Study: Fortune 50 customer

1

Fortune 50 customer

- Thousands of concurrent viewers
- Multiple streams every month
- 100 locations worldwide, HQ in USA

2

91% bandwidth savings

- At peak, 96% of bandwidth was offloaded
- Less network congestion

3

23% less buffering

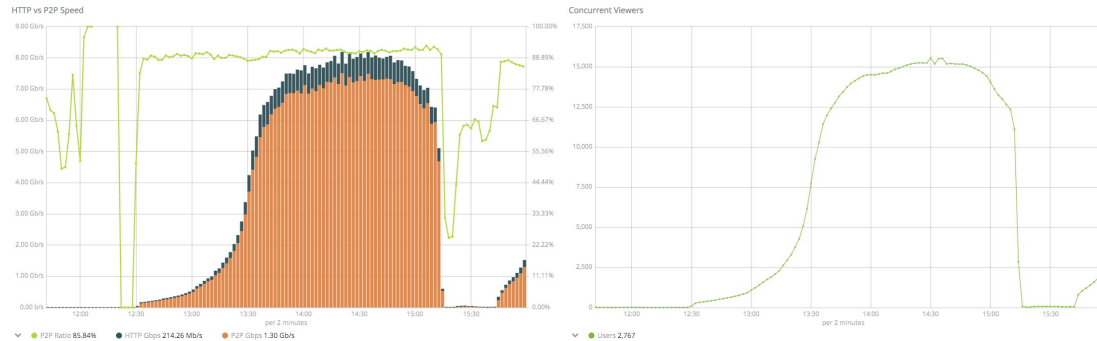
Peer5 is the only company that has managed to improve stream quality

HTTP Delivered
566.25 GB

P2P Delivered
5.7 TB

P2P Offload
90.96%

Total Delivered
6.27 TB



Total Playback Sessions
36,546

Average Session Duration
43.72 min

Rebuffer %
0.41%

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Top 10 Artists, Dates of Concurrent Viewers

Peer5 Integration

Customers can add Peer5 easily and instantly solve the peak problem

- 1 Simple**
Can be enabled through a simple platform, partner UI
- 2 Seamless**
The Peer5 plug-in manages playback between the player and Peer5 distribution.
- 3 Supports both Live and VOD**

Ideal Customer Profile

1

Large

Large corporations with 1,000+ knowledge workers

2

Distributed

Multiple regional offices in areas with limited connectivity or 50+ employees in one office

3

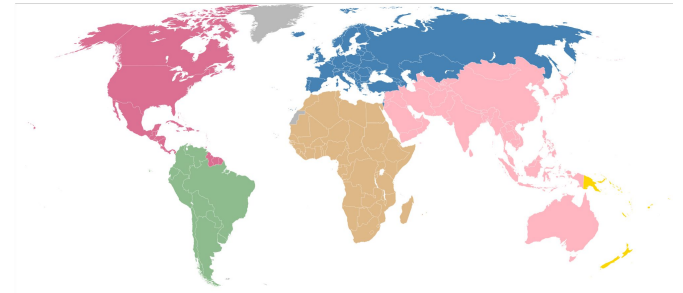
Limited IT Resources

Want simple setup with no servers or client software to install

4

Broad Browser Support

Employees using desktop and mobile browsers with WebRTC support: Firefox, Chrome, Opera, Safari 11+



- 1 95% Bandwidth Reduction
- 2 Seamless, integrated player solution
No installation for the customer
- 3 Secure, standards-based solution



Massively scalable video streaming
through a peer-to-peer network

Business Model

- 1 Pay As You Go**
Pay for each webcast individually.
Pay per seat.
- 2 Annual Fee Based On Viewers**
Discount if you buy a yearly subscription.