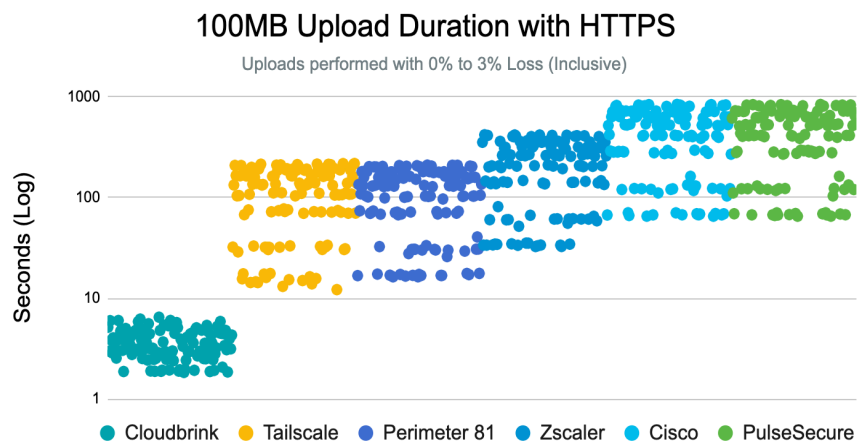


Cloudbrink - Developer Case Study

Cloudbrink's [Hybrid-Access-as-a-Service](#) (HAaaS) is a software-only solution that includes the world's first [personal SD-WAN](#) with [high-performance ZTNA](#) and Moving Target Defense (MTD) security. HAaaS significantly increases the performance and responsiveness of enterprise applications that are hosted anywhere - SaaS, cloud, or on-prem. It does this by overcoming network impairments through innovative quality of experience optimization techniques. Cloudbrink is engineered with performance and security as equal priorities, unlike other solutions that have performance as an after-thought.

A **Fortune 100** customer was able to achieve the following benefits for their developers:

- Reduced their software artifact (source code, binary data, 3D models, textures, animation, audio data, etc.) transfer times by over **30x** compared to their VPN.
- Eliminated **300ms** of latency for some developers through direct multipath routing, changing a ~320ms connection to as little as 5ms.
- Improved their quality of experience for all types of applications, including Perforce, Git, UCaaS, standard business software, and bespoke gaming development applications.
- Rapid onboarding of new studios due to it being a **100% software-only** solution, eliminating hardware supply chain challenges.
- Implement **ZTNA** at their own pace, since Cloudbrink supports subnet-based control (anywhere from /8 to /32 (including FQDN)) compared to competing ZTNA solutions which only support individual applications.



The customer's software artifact transfer findings have been corroborated with Cloudbrink's own extensive file transfer over HTTPS testing, significantly outperforming other secure access products (as shown above). In these tests, 100 MB files were **uploaded** 15 times at multiple levels of network reliability (100%, down to 97%) for a total of 120 tests per tested solution. Similar results were achieved by **downloading** 100MB files.

Cloudbrink's *preemptive and accelerated packet recovery* outperformed direct HTTPS access, Tailscale, and Perimeter 81 at **all** levels of network reliability, including 100% reliable connections. Cloudbrink is unconstrained by the inefficiencies of TCP allowing it to match or beat direct access in ideal conditions. Furthermore, through its FAST (Flexible, Autonomous, Smart, Temporary) edge platform, it can overcome challenging network conditions. This means that Cloudbrink with heavy packet loss outperforms competing secure access solutions with 0% packet loss. Additionally, Cloudbrink has best-in-class security, with mutually authenticated TLS 1.3 for all communications.

Regardless of the network protocol, or the underlying network conditions, **Cloudbrink** enables organizations and their employees to work from anywhere in the world with best-in-class security and quality of experience, delivered in a 100% software-only solution. Learn more at <https://cloudbrink.com/learn-more/>

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