intequus®

Why Netflix Chose Us To Design Their Storage Servers

CASE STUDY

Netflix's Game-Changing Initiative

In 2011, Netflix entrusted Equus Compute Solutions, an Intequus sister brand, to design and deliver storage server solutions customized to Netflix's unique requirements. Working together in a close partnership and strategic alignment since 2011, Equus brands have designed and shipped thousands of custom cost-optimized Netflix content delivery server appliances through six generations of technology.

The Open Connect Appliances designed and manufactured by our engineers enable Netflix to stream its most popular movies and television content to 100 million subscribers.

What Are Netflix Open Connect Appliances?

The Netflix Open Connect program is designed to provide the highest-quality viewing experience possible to millions of Netflix subscribers. The Netflix OCAs are a suite of purpose-built server appliances within the Content Delivery Network (CDN) that store and serve video content at high speeds.
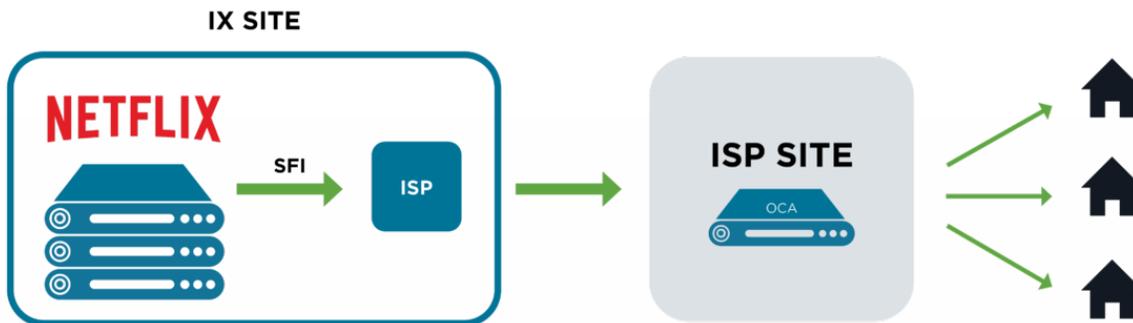
When Netflix needed a partner to design, manufacture, and handle inventory, shipping, and logistics for these new OCAs, they chose us.

To ensure the best streaming experience, OCAs are distributed to local Internet Service Providers (ISPs) to be closer to the end-user. By optimizing our solutions for price and performance, Netflix was able to partner with hundreds of ISPs to localize substantial amounts of traffic with Open Connect Appliance hardware embedded deployments.

Our Custom Solution

Using the Netflix Open Connect architecture guidelines, Equus engineers created cost-effective OCAs that include redundant system drives, power supplies, and network interface ports. Various 1U and 2U Intel Xeon® processor-based OCAs have storage ranging from 14TB to 280TB and operational throughput from 9Gbps to 36Gbps.

Open Connect Appliance – Bill of Materials

- Intel® Xeon® processor E5-2600 v4 series

- Micron 5210 ION SSDs

- 1 x 4-Port Mellanox 10Gig Fiber Network Card

- Custom 1U Rack Chassis

- Redundant AC/DC Hot-Swappable Power Supplies

Engineering is Just the Beginning

Over the last six years, Netflix has successfully deployed thousands of cost-effective, high-performance Open Connect Appliances as the backbone of their Open Connect Content Delivery Network. Through a close partnership and strategic alignment with Equus, Netflix has realized its key goal of providing a great video experience for its customers.

But we do much more than custom engineering. In 2020 we launched Intequus, a turnkey custom infrastructure provider that manages every stage of your hardware development, deployment, and maintenance. Intequus Program Managers will continue to support future Netflix OCA needs with custom cost-optimized appliance solutions, high-quality manufacturing, personalized logistics, and ongoing technical support.

Want to leverage the market-leading expertise Intequus has gained in designing, manufacturing, and supporting thousands of Netflix Open Connect Appliances? Contact us at info@intequus.com.

About Intequus

Intequus is the only turnkey edge infrastructure provider with 30 years of custom hardware engineering experience. Our global logistics, continuous program management, and unparalleled lifecycle support simplify scaled hardware initiatives and ensure fast, reliable service for your users. By handling every stage of your edge hardware needs, Intequus ensures that you can stay focused on your business and your customers.

To learn more about storage servers for your
operating environment, contact us at info@intequus.com

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