HOW NEXUS MODS IMPROVED
DOWNLOAD SPEEDS
AND SAVED 30%
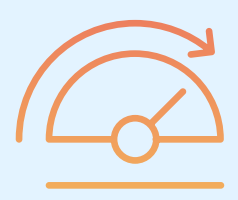
Case Study with

NEXUSMODS

About **NEXUS MODS**

Nexus Mods is not only one of the most highly trafficked UK–based websites, but one of the most popular gaming websites out there.

For **over 19 years**, they have made it their mission to provide the best platform for gamers around the world to share their mods and tools, free for everyone to enjoy.

Gamers can modify their games repeatedly by downloading mods that other users upload to the website or by using the Nexus Mods desktop app, Vortex, which helps automate the process. Nexus Mods supports a **50 terabyte** mod library.

The Challenges

Delivery Speed

The main challenge facing Nexus Mods was file delivery to a global userbase with fast download speeds. They first built **their own CDN** with 30+ servers around the world. However, the delivery speeds for users in Australia, East Asia, and South America were subpar, for which they routinely **received complaints.**

Pricing Model

Nexus Mods tried working with other CDN solutions, but the pricing model wasn't realistic. Their last provider employed a 95th percentile pricing model that caused **significant overage bills** due to weekend traffic spikes.

Bandwidth Costs

Nexus Mods wanted to maintain its status as a cost-conscious, community-based, and community-funded website. On top of this, their traffic requirements were **too high** for **standard pricing**, but **not high enough** for **enterprise pricing.**

The Solution

To help Nexus Mods solve these challenges, we worked together to find a solution that offered **excellent performance** while adhering to a **very tight budget**.

The most significant factor behind their performance issues was a **low cache HIT rate**. With their massive library of mods, their old CDN struggled to keep files in cache. It had to pull files from **cold storage** halfway across the world.

We helped Nexus Mods migrate their 50 TB content library to our Edge Storage platform as a drop-in replacement. Edge Storage let them seamlessly **replicate their files to 5 regions worldwide**, guaranteeing consistent **excellent performance**.

Next, we designed a **custom CDN plan** optimized for the best global efficiency and **affordable pricing**. Through **economies of scale**, we were able to offer significantly reduced pricing compared to their own CDN.

Finally, we created a **private Slack channel** to help Nexus Mods smooth migration and give them direct **24/7** access to our **Super Bunny** support team.

~ Making the internet hop faster!

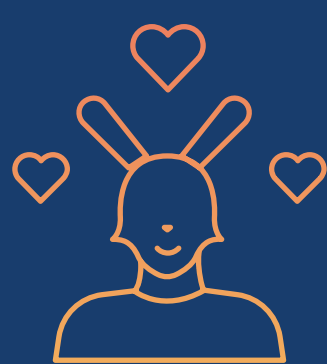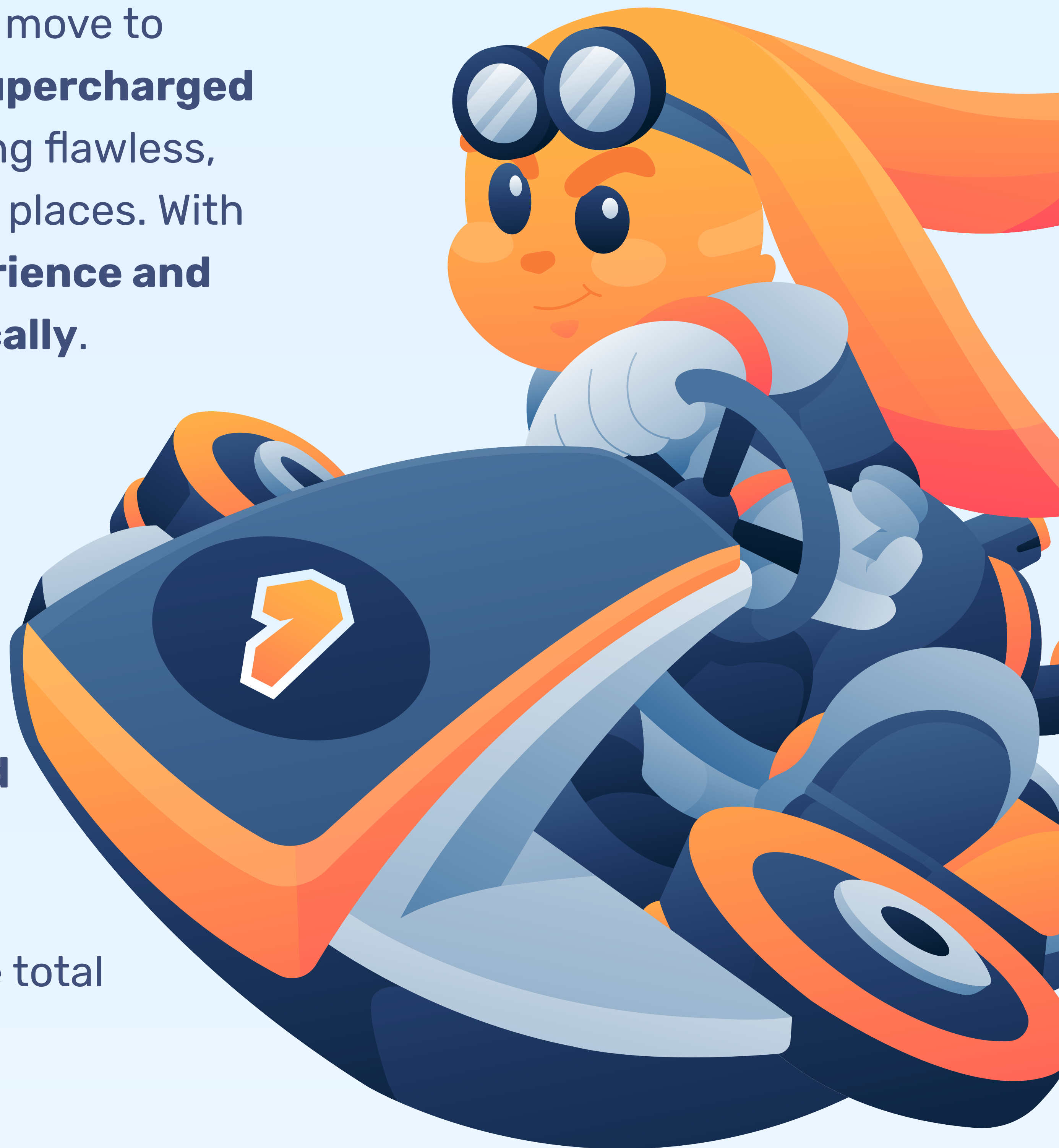/bunnycdn   /bunnycdn   /company/bunnynet/

The Results

The final results of Nexus Mods' move to bunny.net were fantastic. We **supercharged** their **download speeds**, enabling flawless, stable delivery - even in remote places. With better delivery, their **user experience and satisfaction improved drastically**.

Prior to switching to bunny.net, Nexus Mods received up to 10 complaints a day about slow download speed. Post switch, these **complaints disappeared entirely**.

And to top it off, we lowered the total monthly delivery cost **by 30%**.

Improved UX

The volume of daily complaints about poor service dropped from 10 all the way down to 0.

Flawless Delivery

Improving the origin's storage and asset-fetching accelerated download speeds and stability.

30% Lower Costs

Switching to bunny.net lowered Nexus Mods' monthly delivery costs by 30%.

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The Conclusion

By leveraging Edge Storage and Bunny CDN, Nexus Mods significantly **boosted global delivery performance**. The move was an enormous success!

Our seamless integration into the Nexus Mods infrastructure, and our **24/7 Slack support**, made the transition **smooth and effortless**.

Together with Nexus Mods, we reduced the load on front-facing support channels and freed up the engineering team to focus on their users - instead of developing and maintaining their CDN.

By working together, we helped Nexus Mods not only have their cake, but eat it too. And as the cherry on top, they **saved thousands per month**.

Tom Mason

Head of Development

"Working with Bunny has been a breath of fresh air. All the way through initial exploration to implementation the Bunny team have been helpful, knowledgeable, and responsive. The service has exceeded our expectations every step of the way."

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