



# HOW NEXUSMODS IMPROVED DOWNLOAD SPEEDS AND SAVED **30%**

Case Study with



NEXUSMODS

# About **NEXUSMODS**

**Nexus Mods** is not only one of the most highly trafficked UK-based websites worldwide but also one of the most popular gaming websites out there.

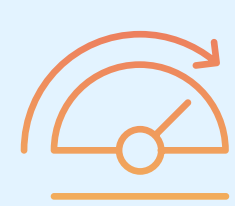
For **over 19 years**, they have made it their mission to provide the best platform for gamers around the world to share their mods and tools free for everyone to enjoy.

Gamers can modify their games anually by downloading mods that other users upload to the website or by using Nexus Mods' desktop software Vortex, which helps automate the process.





# 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 their pricing model was unrealistic. Their previous provider employed a 95th percentile pricing model that caused **significant overage bills** due to large traffic spikes on weekends.



## Bandwidth Costs

The last issue Nexus Mods faced was its status as a **cost-conscious**, community based and funded website. On top of this, their traffic requirements are too large for standard but not significant enough for enterprise pricing.



# The Solution

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

The most significant factor behind their performance issues was a **low cache HIT rate**.

Having a massive library of mods, their current CDN struggled to keep files in cache, which meant they were often pulled 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. Using Edge Storage allowed them to seamlessly **replicate their files to 5 regions worldwide** and guarantee 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.





# The Results

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

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

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



## Improved UX

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



## Flawless Delivery

Improving the storage and fetching of assets from the origin accelerated download speeds and stability.



## 30% Lower Costs

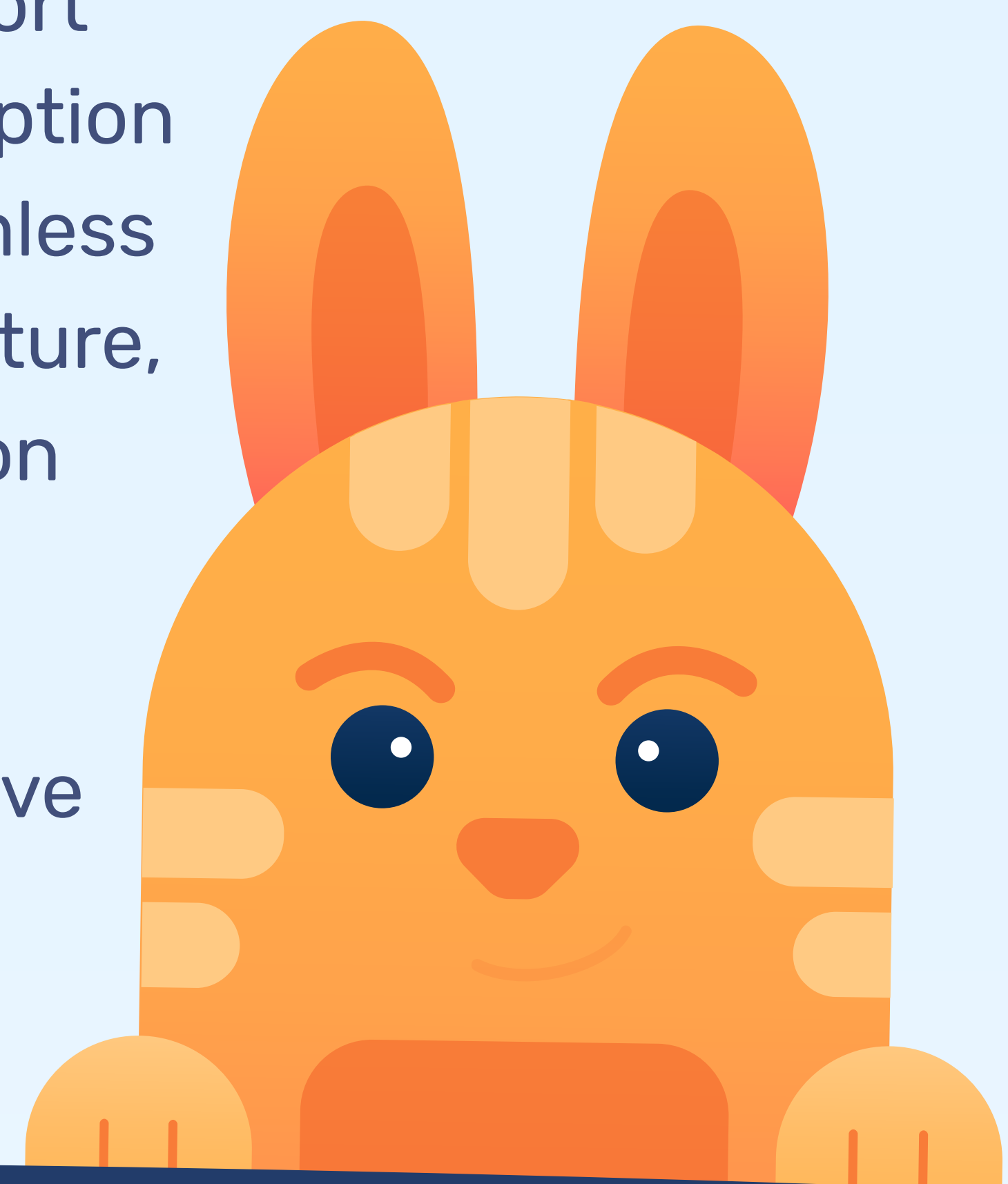
Switching to bunny.net lowered Nexus Mods' monthly delivery costs by 30%.

# The Conclusion

For Nexus Mods, the move to bunny.net was **an enormous success!** By leveraging Edge Storage and Bunny CDN, they significantly boosted global delivery performance.

This resulted in a vastly **superior service** offered to their user base, **reduced the load** on their front-facing support channels, along with giving their engineering team an option to stop developing and maintaining their CDN. The seamless integration of bunny.net into the Nexus Mods infrastructure, with the help of **24/7 Slack support**, made the transition smooth and effortless.

By working together, we helped Nexus Mods not only have the cake, but eat it too, and save thousands per month as a cherry on the top.



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**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.”*