

Cloudflare for Gaming

Secure, Accelerate, and Build with Cloudflare

Gaming is a global phenomenon, but delivering real-time experiences at scale to players around the world is a massive challenge. Solve it with Cloudflare – which helps power fast, immersive, and reliable online gaming experiences.



Secure Your Game

Gaming companies are often vulnerable to DDoS attacks. Game platforms that rely on custom TCP and UDP communication protocols require even more resources to protect against DDoS attacks.

Protect the uptime, performance, and integrity of your game servers with Cloudflare.

Web Application Firewall (WAF)

Block SQLi, cross-site scripting, and other malicious attacks

DDoS Protection

Get increased uptime with DDoS protection for HTTP/S as well as custom TCP/UDP gaming applications

Bot Management

Prevent fraudulent account creation and preserve the integrity of your First Person Shooter (FPS) games



Accelerate Your Game

Players are likely to be globally distributed, and game servers geographically distant from players – which leads to slow downloads and high ping times. Players are quick to abandon a game if there is noticeable lag or if the game does not respond in real-time. The speed of your game downloads and in-game experiences is paramount to retaining users.

Cloudflare's globally distributed network of data centers in 200+ cities enables proximity to players and delivers lightning fast experiences, even during times of especially high user activity.

CDN

Deliver online game downloads, software updates, and live video

Argo Smart Routing

Whether it's a First Person Shooter (FPS), or any Massively Multiplayer Online Game (MMOG), deliver a real-time experience

China Network

Through our partnership with Baidu, we've created a truly integrated global network for gamers inside and outside of China

Build Your Game With Serverless

Building, scaling, and maintaining infrastructure to protect and accelerate your game platform is time and cost prohibitive.

With Cloudflare, augment existing applications (e.g. user authentication and authorization mechanisms), or build entirely new ones. Build bespoke matchmaking architecture, and more using Cloudflare's serverless computing platform.

Cloudflare Workers provides you with a serverless JavaScript and WASM execution environment that enables you to:

- Quickly build applications without configuring or maintaining servers or containers
- Easily scale to support spikes in demand
- Run game application logic within milliseconds from your users



“Attacks that would otherwise make our sites slow or entirely inaccessible get blocked by Cloudflare. Because of this protection the 1,600 sites we have on Cloudflare are kept online and our community keeps coming back to enjoy them.”

CRAIG BRADBERRY
Production Systems Manager, Curse



“Knowing that we don’t have to worry about DDoS attacks against our API and gateway servers gives us the peace of mind to focus on improving our product.”



STANISLAV VISHNEVSKIY
CTO, Discord

“Before Spectrum, we had to rely on unstable services & techniques that increased latency, worsening the user’s experience. Now, we’re able to be continually protected without added latency”



BRUCE BLAIR
CTO, Hypixel