



# Workers KV BETA

Serverless key-value storage for applications on Cloudflare

Cloudflare Workers KV provides access to a secure low latency key-value store at all 153 Cloudflare data centers. Developers can use Cloudflare Workers and Workers KV to augment existing applications or to build entirely new applications on top of the Cloudflare global network. Workers KV scales seamlessly to support applications serving dozens or millions of users.



- ✓ Accessible from all 153 Cloudflare locations
- ✓ Supports values up to 64 KB
- ✓ Supports keys up to 2 KB
- ✓ Read and write from Cloudflare Workers
- ✓ API to write to Workers KV from 3rd party applications
- ✓ Set arbitrary TTLs for values
- ✓ Integrates with Workers Preview

## Create targeted e-commerce experiences

Using Workers KV to quickly access data, it becomes possible to generate customized pages just as quickly as serving static sites. This makes it possible to add shopping cart data to e-commerce sites, target marketing to subsets of visitors, and significantly reduce latency for a whole host of applications.

## Enforce custom authorization and authentication

Store session tokens or other user information to quickly ensure the right user has access to the right content. Move the authentication layer out of applications and into the network itself to improve site speed while reducing the threat of application-level authentication vulnerabilities.

## Customize application behavior

Store and return custom content based on user, session, cookie, or any other request attribute. Perform low latency injection of personalized content from Workers KV into any cached or uncached template before returning it to the user.

## Deploy granular tests

Run A/B tests or stage release rollouts on a per-user basis. Use Cloudflare Workers KV to store millions of tests that can be quickly run from Workers anywhere in the world. Write analytics back to Workers KV or any other analytics services directly from the Worker.

## Remember specific bad actors

Stop cheaters, spammers, trolls, and other bad actors by storing IPs, user IDs, or any relevant data in Cloudflare Workers KV. Easily write to and run quick checks against large block lists to prevent bad actors from reaching protected applications that try to post, register, or perform other undesired actions.