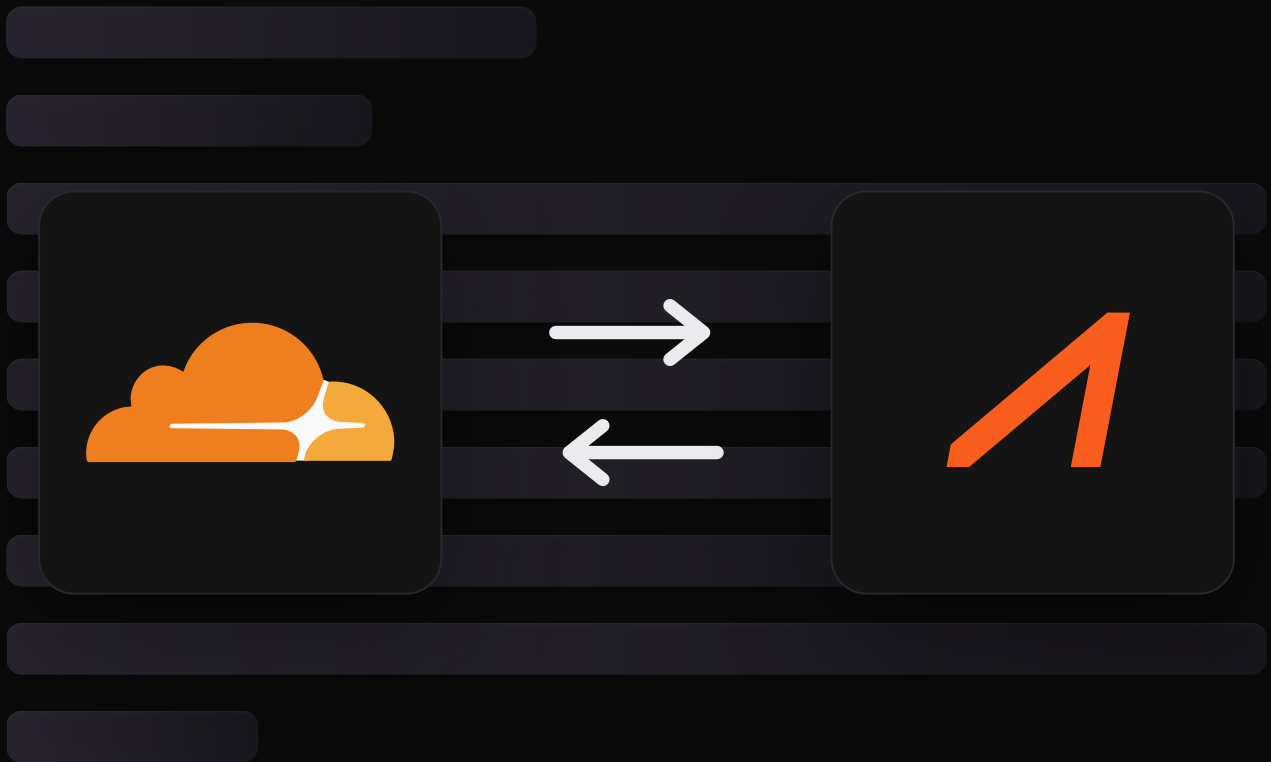




MIGRATION GUIDE

Migrate from Cloudflare to Azion



Cloudflare to Azion Product and Feature Mapping

The first step in considering a migration is to understand how the services that Azion offers map to existing Cloudflare services. Azion provides equivalent capabilities for compute, storage, databases, security, and observability.

Basic Cloudflare Terminology

Cloudflare Terminology	Description	Azion Equivalent
Cloudflare Dashboard	Web UI where teams manage accounts, zones, DNS, Pages, Workers, security policies, analytics, and platform services.	Azion Console
Account	Organizational container for users, access control, billing, projects, and platform configuration.	Account
Zone	Domain-level container used to manage DNS, traffic, security, performance, and application settings.	Workloads / Edge DNS
Pages Project	Frontend application connected to a repository, build command, output directory, and generated deployment URL.	Applications
Workers Route	Route pattern that defines when serverless code should execute for incoming requests.	Functions + Rules Engine
DNS Records	Records used to route traffic for domains and subdomains.	Edge DNS Records
Page Rules / Rulesets	Rule-based configuration for redirects, cache, headers, security actions, and request handling.	Rules Engine
Tiered Cache	Multi-layer cache strategy designed to reduce origin traffic and improve cache efficiency.	Tiered Cache

Quick Reference

Cloudflare configurations can be mapped to Azion using equivalent platform capabilities. The migration covers configuration files, runtime APIs, environment access, and deployment tooling.

Cloudflare Reference	Description	Azion Equivalent
wrangler.toml	Project configuration file (TOML format)	azion.config.js
env.VARIABLE	Environment variable access pattern	Azion.env.get('VARIABLE')
fetch(request, env, ctx)	Worker function signature	fetch(request, env, ctx)
request.cf.country	Geo metadata access	request.metadata['geoip_country_code']
_redirects	URL redirect rules file	Rules Engine
_headers	Custom headers file	Rules Engine / azion.config.js
Secrets Store	Secrets management for workloads	Variables
wrangler CLI	Command-line deployment tool	Azion CLI

Build

Deploy applications, configure builds and environment variables, migrate Functions, routing, headers, load balancing, cache, image optimization, and AI workloads.

Cloudflare Product	Description	Azion Equivalent
Workers	Serverless compute on global network	Functions
Workers AI	Run AI inference on GPU-backed infrastructure	AI Inference
Agents	Build AI-powered agents on Cloudflare platform	AI Inference + Functions
AI Gateway	Observe, cache, rate limit AI application traffic	Functions + Cache + Real-Time Events
AI Search	Managed retrieval and search pipelines for AI	SQL Database + AI Inference
Pages	Frontend and full-stack deployment	Applications + Azion CLI
Cache	CDN caching with tiered options	Cache + Tiered Cache
Smart Shield	Optimize origin access patterns	Cache + Application Accelerator
Cloudflare Images	Store, resize, optimize, and deliver images	Image Processor
Transform Rules	Modify requests and responses at edge	Applications + Rules Engine
Origin Rules	Rewrite origin settings and route requests	Applications + Load Balancer
Rules	Ruleset for request, routing, cache, transform logic	Applications + Firewall + Functions
Load Balancing	Distribute traffic across origins with health checks	Load Balancer + Edge DNS
Dynamic Workers	Spin up isolated workers on demand	Functions
Terraform	Manage Cloudflare resources with Terraform	Terraform Provider
Secrets Store	Manage secrets for developer workloads	Variables

Store

Migrate key-value data, object storage, and SQL databases. Azion's Store category provides persistent data services designed for globally distributed applications.

Cloudflare Product	Description	Azion Equivalent
KV	Key-value storage for edge applications	KV Store
R2	S3-compatible object storage, no egress fees	Object Storage
D1	SQLite-compatible serverless database	SQL Database
Vectorize	Vector database for embeddings and semantic search	SQL Database

Secure

Migrate custom domains, DNS, SSL/TLS certificates, WAF, DDoS protection, bot management, and rate limiting. Plan domain migration as a controlled cutover.

Cloudflare Product	Description	Azion Equivalent
WAF	Web Application Firewall rules and protections	Web Application Firewall
DDoS Protection	Protect from DDoS attacks (L3/L4/L7)	DDoS Protection + Network Shield
Bots	Detect, manage, and mitigate bot traffic	Bot Manager + Bot Manager Lite
API Shield	Protect APIs with schema validation, mTLS	Firewall + WAF + Certificate Manager
Rate limiting	Protect applications by limiting request rates	Firewall + Functions
DNS	Authoritative DNS management and security	Edge DNS
SSL/TLS	Manage certificates, encryption modes, TLS	Certificate Manager + Edge DNS
Network Firewall	Firewall-as-a-service for network traffic	Firewall + Network Shield
AI Crawl Control	Analyze and control AI crawler access	Firewall + Network Shield + Functions
mTLS	Mutual TLS for client authentication	Certificate Manager (Trusted CA)

Observe

Migrate analytics, metrics, and logs to Azion's real-time observability stack. Azion provides comprehensive visibility into application performance, traffic patterns, and security events through Real-Time Metrics, Real-Time Events, Data Stream, and Edge Pulse. These tools work together to give teams immediate access to operational data, enabling faster debugging, incident response, and compliance reporting.

Cloudflare Product	Description	Azion Equivalent
Analytics	Analytics and observability across services	Real-Time Metrics + Edge Pulse
Logs	Export, query, and manage Cloudflare logs	Real-Time Events + Data Stream
Digital Experience Monitoring	Monitor user, device, network experience	Edge Pulse + Real-Time Metrics

Recommended Migration Flow

1

Project setup

Connect the repository, configure the framework preset, deploy to an Azion-generated URL, and validate the application before touching production domains.

2

Variables and runtime configuration

Inventory variables, secrets, and bindings. Recreate them in Azion and update code to use Azion runtime access patterns (`Azion.env.get()`).

3

Routing, redirects, and headers

Convert rules, redirects, rewrites, headers, and cache behavior into Rules Engine criteria and behaviors.

4

Functions and data services

Migrate serverless logic and move data workloads to Functions, KV Store, Object Storage, and SQL Database when applicable.

5

Security and observability

Recreate firewall, DDoS, DNS, certificates, logs, and monitoring workflows using Azion secure and observe products.

6

Domain cutover

Activate certificates, validate workloads, point DNS to Azion, monitor production traffic, and keep rollback steps documented.

Ready to Move to Azion?

Azion helps teams migrate from Cloudflare with minimal disruption while modernizing how applications are built, delivered, secured, stored, and observed.

Start with one representative application, validate the build and runtime flow, then expand to routing, security, data services, observability, and production domains.

Start small, validate fast, expand with confidence.

Choose one representative application, migrate the build and runtime flow, validate routing and security behavior, then expand to data services and production domains.

START FREE

Explore Azion Platform

Build

Secure

Store

Observe