

Microsoft Azure Developer: Integrate Caching and Content Delivery

CONFIGURING CACHE AND EXPIRATION POLICIES
IN AZURE CDN



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Demo



Deploy a simple web app

Configure a new CDN endpoint



How Caching Works



What Is a Content Delivery Network?



Globally distributed network

Reduced asset load times

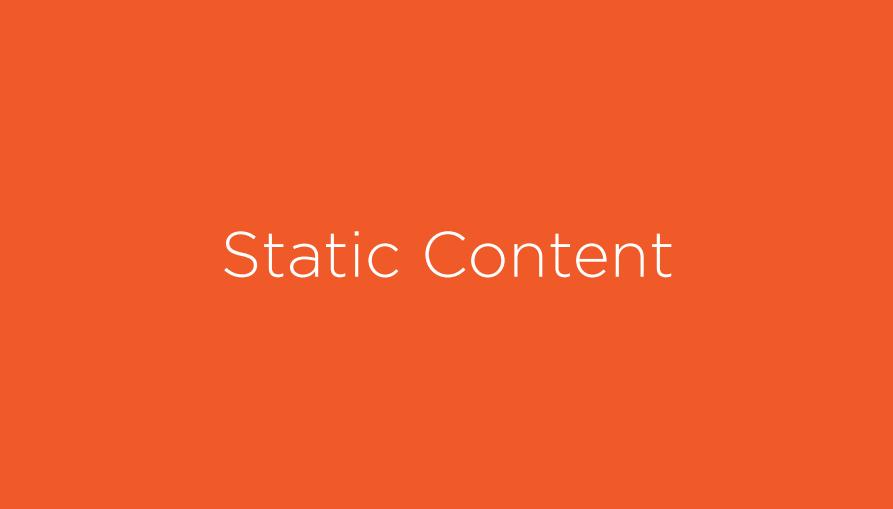
Reduced hosting bandwidth

Increased availability and redundancy

Protection from denial-of-service attacks



Content Types

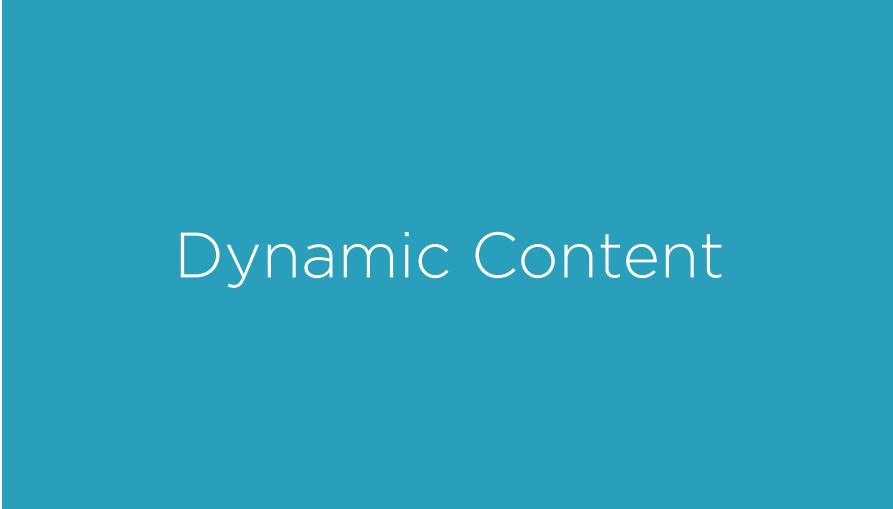


Static Content

Images

CSS files

JS files



Dynamic Content

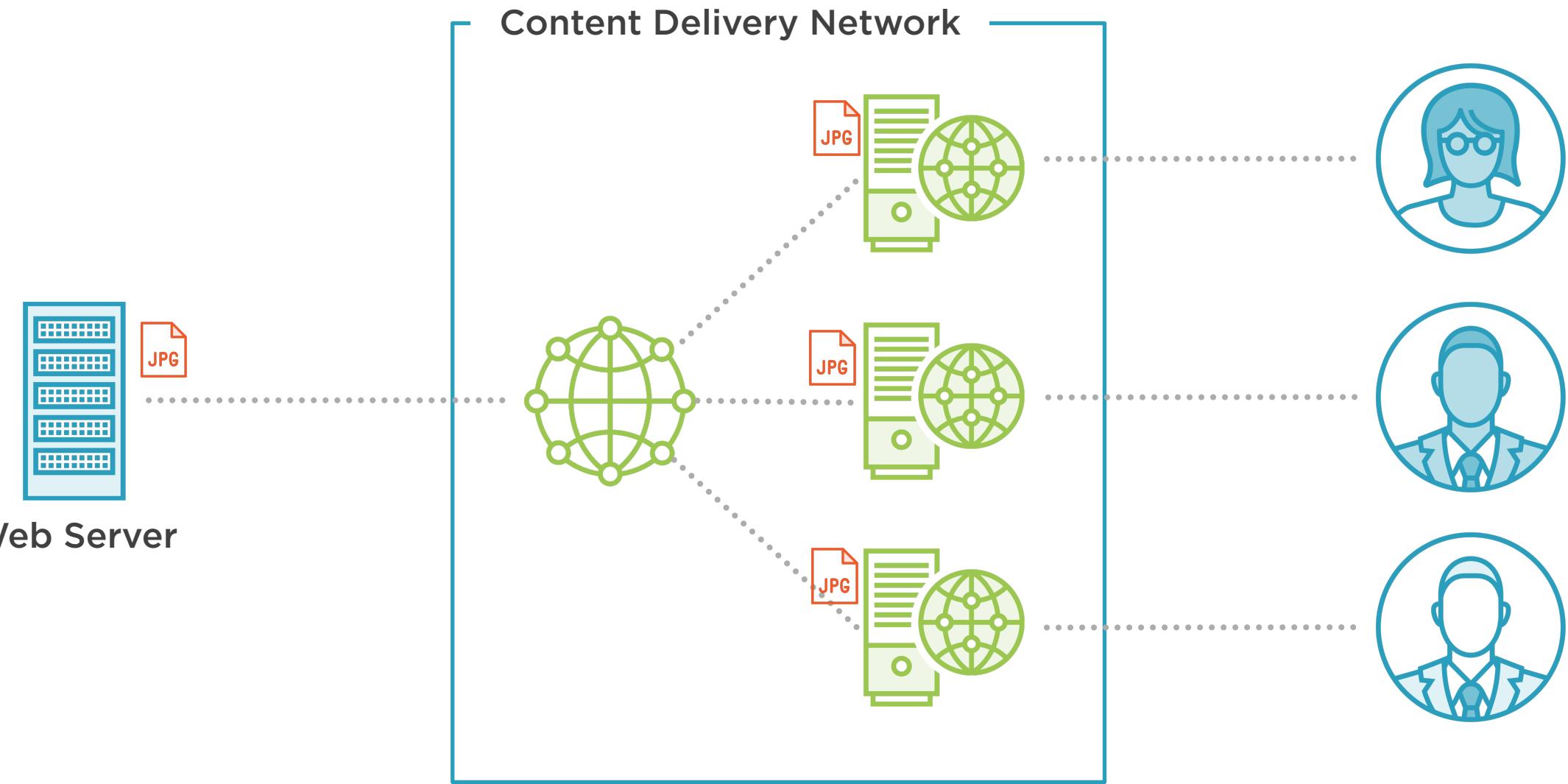
Changes on user interaction

Dashboards

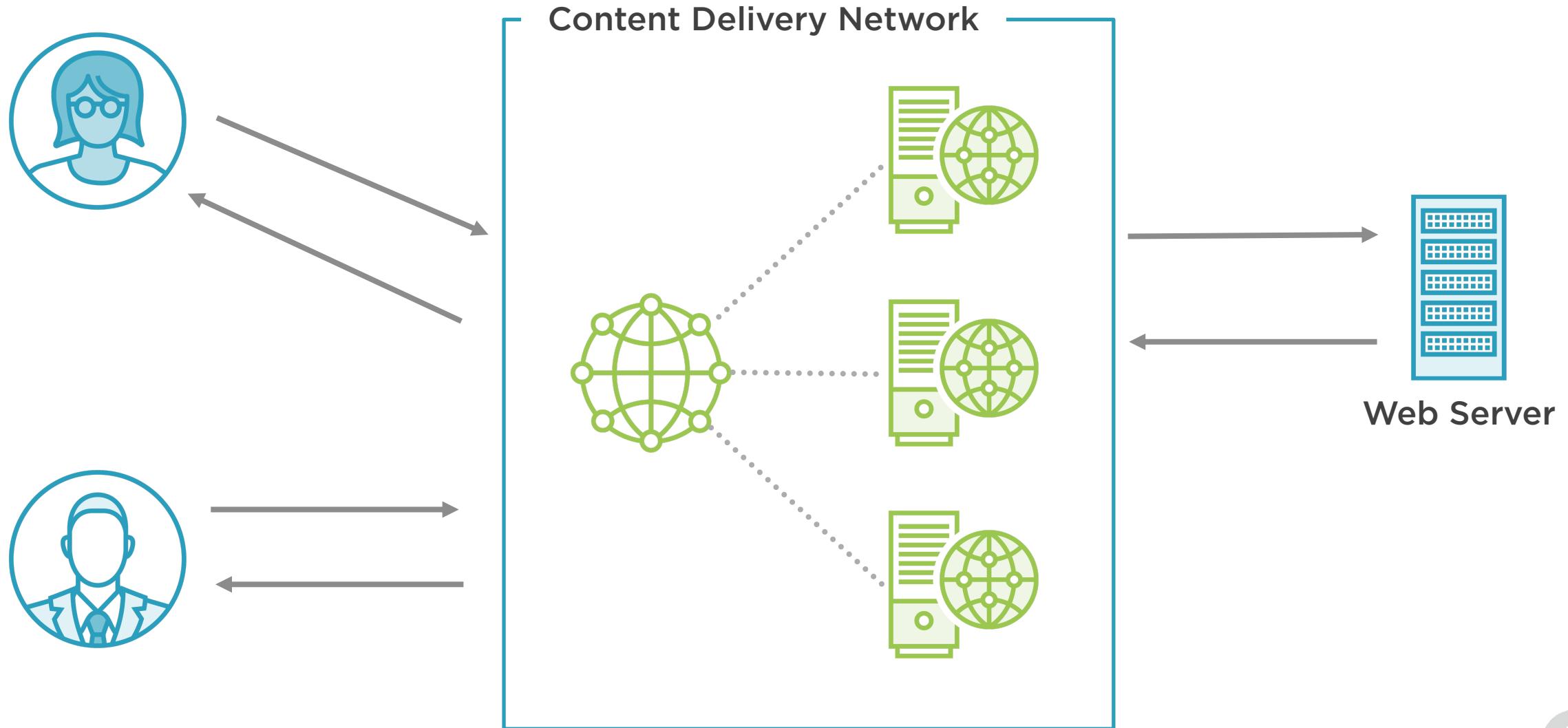
Query results



Content Distribution



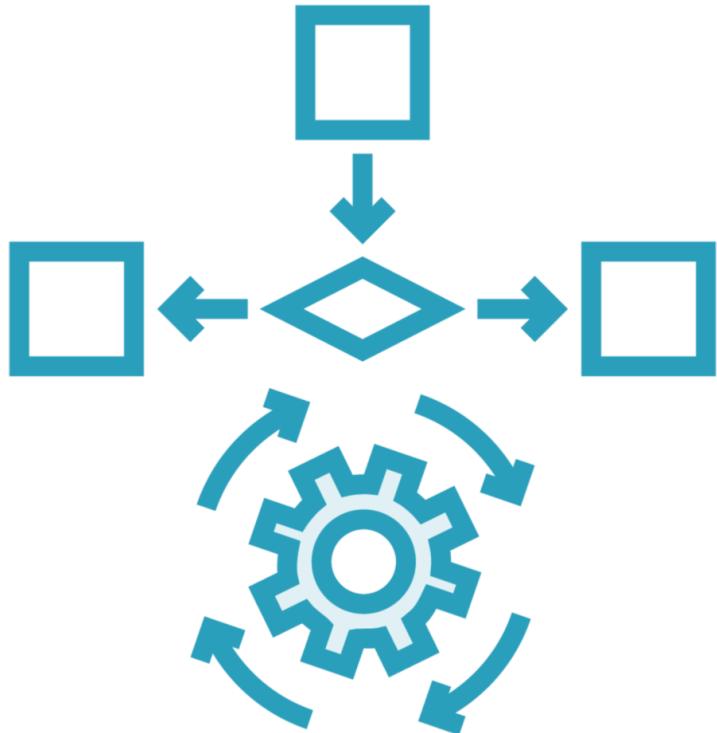
Request and Response Lifecycle



Understanding Azure CDN Caching



Caching Rules



3 types of caching rule

- Azure CDN Standard (Verizon)
- Azure CDN Standard (Akamai)

Azure CDN (Microsoft)

- Standard rules engine

Azure CDN Premium (Verizon)

- Premium rules engine



Caching Rules

Global

Only one per endpoint
Overrides cache headers

Custom

One or many rules
Extension or path
Override global rule

Query String

Ignore query strings
Bypass query strings
Cache every unique URL



Demo



Configure caching rules for Azure CDN

- Global caching rule
- Custom caching rule
- Query string caching



Up Next: Configuring Cache and Expiration Policies for Azure Redis Cache

