

Microsoft Azure Developer: Integrate Caching and Content Delivery

DEVELOPING CODE TO IMPLEMENT CDNS



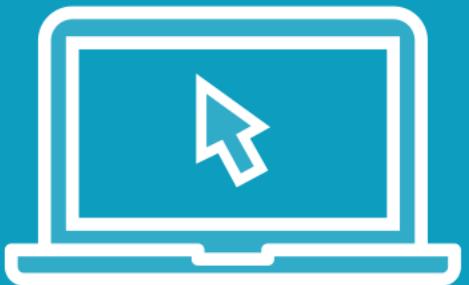
James Millar

FREELANCE SOFTWARE DEVELOPER

@jamesmillar www.james-millar.co.uk



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

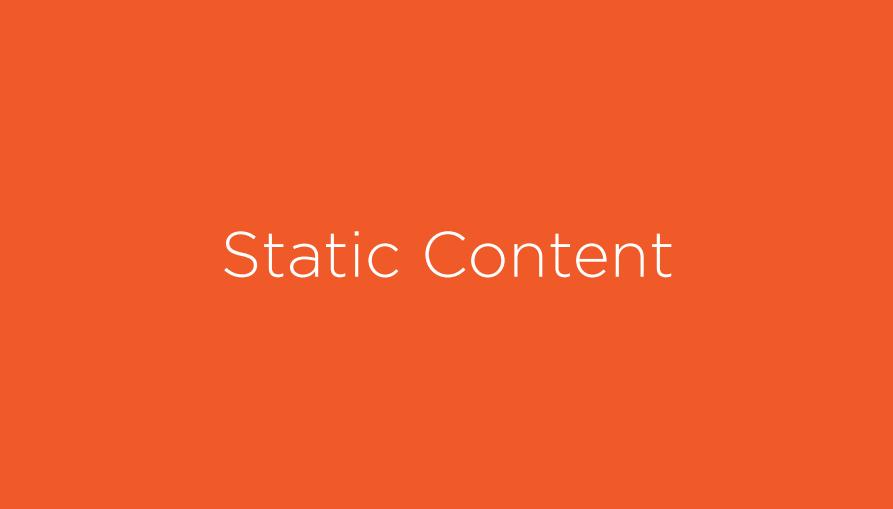
Reduced hosting bandwidth

Increased availability and redundancy

Protection from denial-of-service attacks

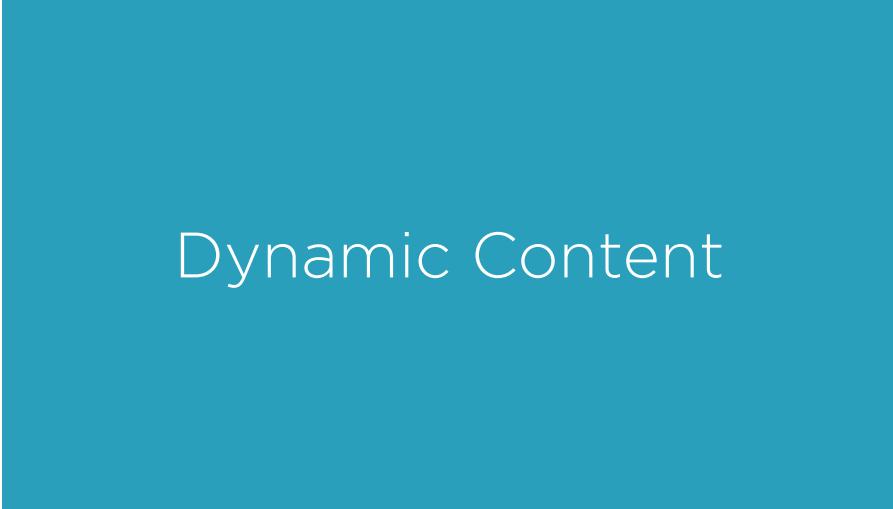


Content Types



Static Content

Images
CSS files
JS files

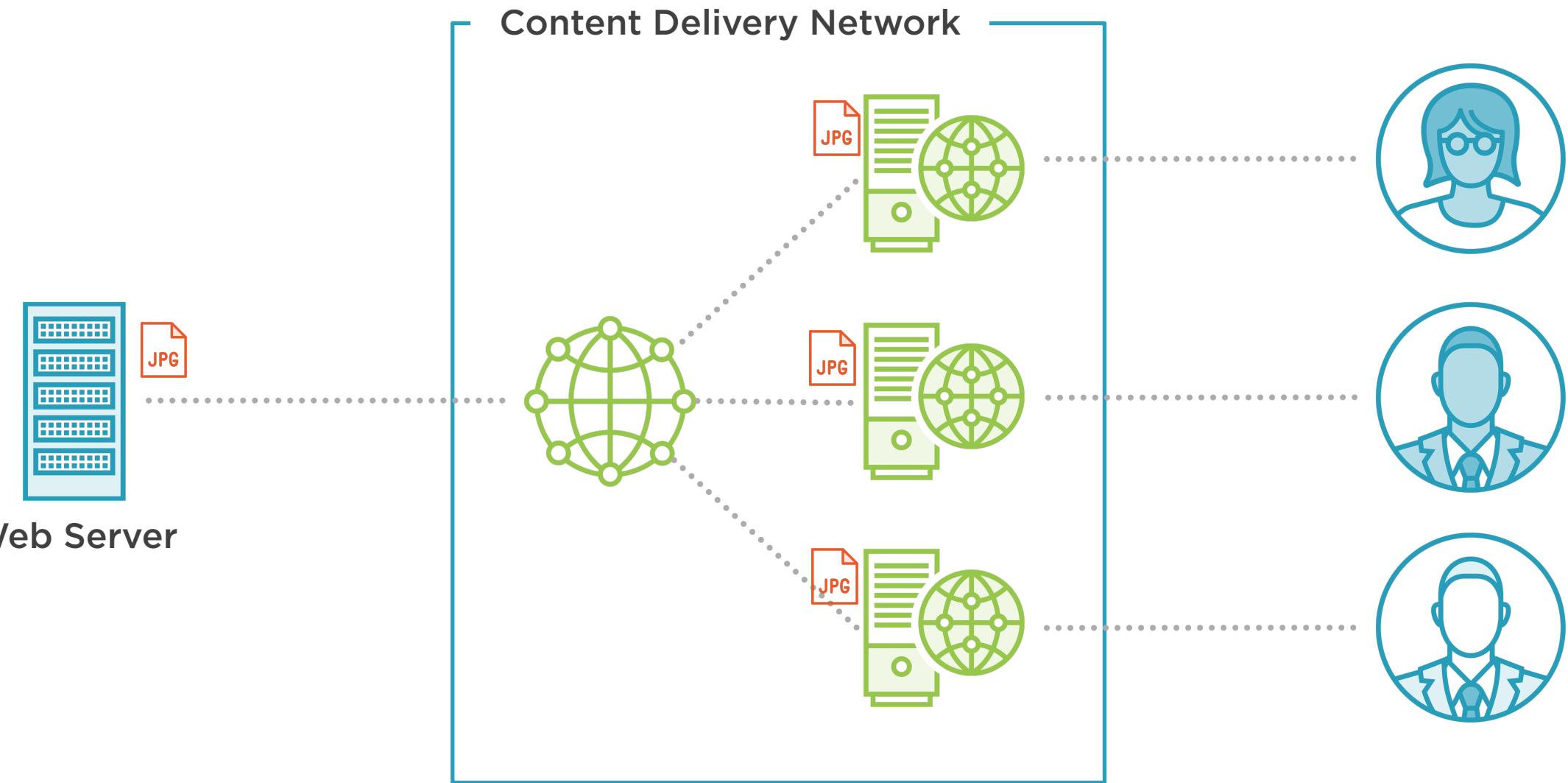


Dynamic Content

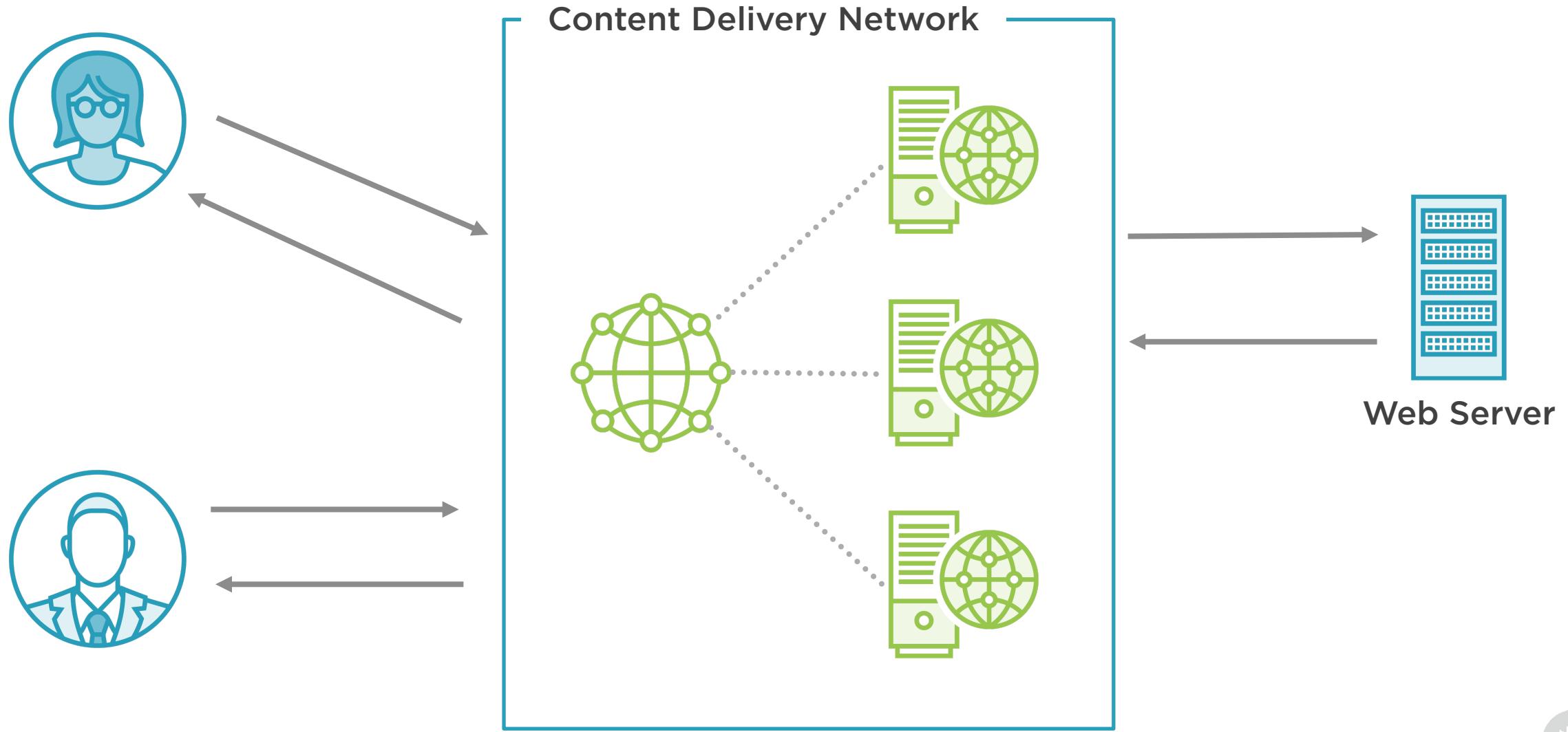
Changes on user interaction
Dashboards
Query results



Content Distribution



Request and Response Lifecycle



Pricing Tiers

Standard Microsoft

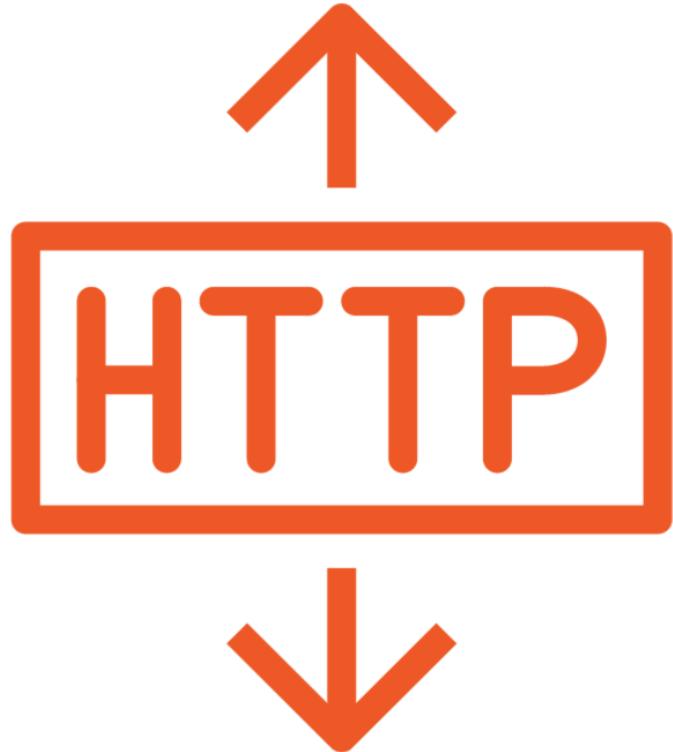
Standard Akamai

Standard Verizon

Premium Verizon



HTTP Headers



Control caching using headers

- Cache-control
- Expires

Cache-control takes precedent over expires

Standard Akamai

- Max-age
- No-cache
- No-store



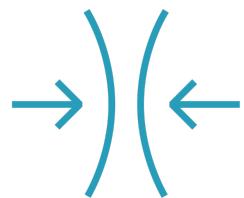
Configuration Options



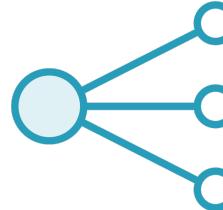
Custom DNS Domain



Geo Filtering



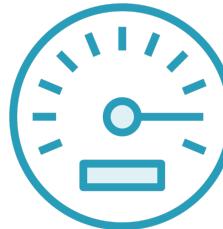
Compression



Optimization



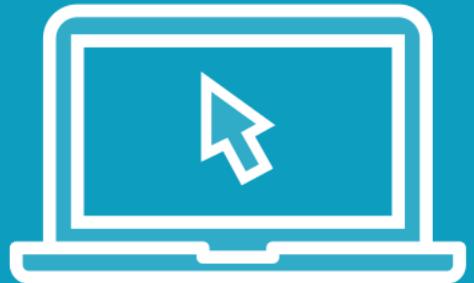
Caching Rules



Dynamic Site Acceleration



Demo



Creating profiles and endpoints in code

