

CDN Sizing

F5 Distributed Cloud CDN provides global content delivery with intelligent caching, reducing latency and bandwidth costs while integrating with F5's security services.

CDN Requirements

CDN Goals

What are your primary CDN goals?

- Improve user experience / reduce latency
 - Reduce origin server load
 - Reduce bandwidth/egress costs
 - Global content distribution
 - DDoS protection at the edge
 - Other: _____
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Content Profile

Content Types

What content will be cached?

CONTENT TYPE	PERCENTAGE	CACHE TTL
Static images (jpg, png, gif, svg)	<input type="text" value="Enter value"/> %	<input type="text" value="Enter value"/> hours
JavaScript / CSS	<input type="text" value="Enter value"/> %	<input type="text" value="Enter value"/> hours
Video / Media files	<input type="text" value="Enter value"/> %	<input type="text" value="Enter value"/> hours
HTML pages	<input type="text" value="Enter value"/> %	<input type="text" value="Enter value"/> hours
API responses	<input type="text" value="Enter value"/> %	<input type="text" value="Enter value"/> seconds
Documents (PDF, etc.)	<input type="text" value="Enter value"/> %	<input type="text" value="Enter value"/> hours
Other: <input type="text" value="Enter value"/>	<input type="text" value="Enter value"/> %	<input type="text" value="Enter value"/>

Content Size

METRIC	VALUE
Total unique content size	Enter value GB/TB
Average object size	Enter value KB
Largest object size	Enter value MB
Total number of unique objects	Enter value

Content Origin

Where is your origin content hosted?

ORIGIN LOCATION	PROVIDER	PERCENTAGE
Enter value	<input type="checkbox"/> AWS <input type="checkbox"/> Azure <input type="checkbox"/> GCP <input type="checkbox"/> On-Prem <input type="checkbox"/> Other	Enter value %
Enter value	<input type="checkbox"/> AWS <input type="checkbox"/> Azure <input type="checkbox"/> GCP <input type="checkbox"/> On-Prem <input type="checkbox"/> Other	Enter value %

Traffic Volume

Request Metrics

METRIC	AVERAGE	PEAK
Requests per second	Enter value	Enter value
Requests per month	Enter value	Enter value
Bandwidth (Gbps)	Enter value	Enter value

Regional Distribution

Where are your users located?

REGION	TRAFFIC PERCENTAGE
North America	Enter value %
Europe	Enter value %
Asia-Pacific	Enter value %
South America	Enter value %
Other	Enter value %

Regional Pricing

CDN data transfer and request pricing varies by region.

Caching Configuration

Cache Policy

How should content be cached?

- Honor origin headers** - Respect Cache-Control headers
- Override with custom TTL** - Set custom cache times
- Query string handling:** Include Ignore Selective

Cache Key Configuration

What should be included in cache keys?

- URL path
- Query string parameters
- Specific headers: _____
- Cookies: _____

Cache Purge Requirements

How will you purge cached content?

- Manual purge via console
- API-based purge
- Tag-based purge
- Path-based purge
- Full cache purge

Estimated purge frequency: _____ per day/week

Security Integration

CDN with Security

- WAF at the edge
- Bot defense at the edge
- DDoS protection
- Rate limiting
- Geographic restrictions

TLS Configuration

PARAMETER	VALUE
TLS termination at edge	<input type="checkbox"/> Yes <input type="checkbox"/> No
Minimum TLS version	<input type="checkbox"/> TLS 1.2 <input type="checkbox"/> TLS 1.3
Custom certificates	<input type="checkbox"/> Yes <input type="checkbox"/> No
HTTP to HTTPS redirect	<input type="checkbox"/> Yes <input type="checkbox"/> No

Advanced Features

Dynamic Content Optimization

- Image optimization / WebP conversion
- Minification (JS/CSS/HTML)
- Compression (Gzip/Brotli)
- HTTP/2 / HTTP/3 support

Custom Rules

URL PATTERN	CACHE BEHAVIOR	TTL
/api/*	<input type="checkbox"/> Cache <input type="checkbox"/> Bypass	Enter value
/static/*	<input type="checkbox"/> Cache <input type="checkbox"/> Bypass	Enter value
*.css	<input type="checkbox"/> Cache <input type="checkbox"/> Bypass	Enter value
Enter value	<input type="checkbox"/> Cache <input type="checkbox"/> Bypass	Enter value

Performance Metrics

Expected Cache Performance

METRIC	TARGET
Target cache hit ratio	> Enter value %
Target TTFB from edge	< Enter value ms
Acceptable origin load reduction	Enter value %

Monitoring Requirements

What CDN metrics do you need?

- Cache hit/miss ratios

- Bandwidth by region
 - Request counts
 - Error rates
 - Origin response times
 - Popular content reports
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Summary: CDN Requirements

REQUIREMENT	VALUE
Domains to CDN	<input type="text" value="Enter value"/>
Monthly Requests	<input type="text" value="Enter value"/>
Monthly Data Transfer	<input type="text" value="Enter value"/> GB
Primary Regions	<input type="text" value="Enter value"/>
Security Integration	<input type="checkbox"/> Yes <input type="checkbox"/> No
Custom Cache Rules	<input type="checkbox"/> Yes <input type="checkbox"/> No

Additional notes:

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