

DNS Services Sizing

F5 Distributed Cloud DNS provides geo-distributed DNS services with global server load balancing (GSLB), automatic failover, health checking, and DDoS protection.

DNS Requirements Assessment

- Yes - Primary DNS hosting
- Yes - Secondary DNS (backup)
- Yes - DNS Load Balancing (GSLB) only

Current DNS Provider

Who is your current DNS provider?

CURRENT PROVIDER	KEEP OR MIGRATE
<input type="text" value="Enter value"/>	<input type="checkbox"/> Migrate to F5 <input type="checkbox"/> Keep as primary <input type="checkbox"/> Keep as secondary

DNS Zone Configuration

Zone Count

How many DNS zones do you need?

ZONE TYPE	COUNT
Primary zones	<input type="text" value="Enter value"/>
Secondary zones	<input type="text" value="Enter value"/>
Total zones	<input type="text" value="Enter value"/>

Base Package

Standard includes 250 primary or secondary zones.

Zone Details

List your primary domains/zones:

DOMAIN	ZONE TYPE	RECORDS (EST.)	QUERY VOLUME
Enter value	<input type="checkbox"/> Primary <input type="checkbox"/> Secondary	Enter value	Enter value qps
Enter value	<input type="checkbox"/> Primary <input type="checkbox"/> Secondary	Enter value	Enter value qps
Enter value	<input type="checkbox"/> Primary <input type="checkbox"/> Secondary	Enter value	Enter value qps
Enter value	<input type="checkbox"/> Primary <input type="checkbox"/> Secondary	Enter value	Enter value qps
Enter value	<input type="checkbox"/> Primary <input type="checkbox"/> Secondary	Enter value	Enter value qps

Record Types

What DNS record types do you use?

- A (IPv4 address)
- AAAA (IPv6 address)
- CNAME (Canonical name)
- MX (Mail exchange)
- TXT (Text records)
- SRV (Service records)
- NS (Nameserver)
- CAA (Certificate Authority Authorization)
- PTR (Reverse DNS)

Other: _____

Total estimated DNS records: _____

DNS Load Balancing (GSLB)

- Yes - Distribute traffic across multiple locations
- No - Basic DNS hosting only

Base Package

Standard includes 50 DNS load balancer records and 200 health checks.

Load Balancing Use Cases

What DNS load balancing capabilities do you need?

- Geographic proximity** - Route users to nearest data center
- Active/Standby failover** - Automatic failover to backup site
- Weighted distribution** - Distribute traffic by percentage
- Performance-based** - Route based on health/latency
- Disaster recovery** - Manual failover capability

DNS Load Balancer Records

How many DNS load balancer records do you need?

RECORD/DOMAIN	TYPE	LOCATIONS
Enter value	<input type="checkbox"/> Geo <input type="checkbox"/> Failover <input type="checkbox"/> Weighted	Enter value
Enter value	<input type="checkbox"/> Geo <input type="checkbox"/> Failover <input type="checkbox"/> Weighted	Enter value
Enter value	<input type="checkbox"/> Geo <input type="checkbox"/> Failover <input type="checkbox"/> Weighted	Enter value
Enter value	<input type="checkbox"/> Geo <input type="checkbox"/> Failover <input type="checkbox"/> Weighted	Enter value

Total DNS LB records needed: _____

Health Checking

Health Check Requirements

- Yes
- No

Health check details:

TARGET	CHECK TYPE	INTERVAL
Enter value	<input type="checkbox"/> HTTP <input type="checkbox"/> HTTPS <input type="checkbox"/> TCP <input type="checkbox"/> ICMP	Enter value sec
Enter value	<input type="checkbox"/> HTTP <input type="checkbox"/> HTTPS <input type="checkbox"/> TCP <input type="checkbox"/> ICMP	Enter value sec
Enter value	<input type="checkbox"/> HTTP <input type="checkbox"/> HTTPS <input type="checkbox"/> TCP <input type="checkbox"/> ICMP	Enter value sec
Enter value	<input type="checkbox"/> HTTP <input type="checkbox"/> HTTPS <input type="checkbox"/> TCP <input type="checkbox"/> ICMP	Enter value sec

Total health checks needed: _____

Failover Configuration

PARAMETER	VALUE
Health check interval	Enter value seconds
Failure threshold	Enter value consecutive failures
Recovery threshold	Enter value consecutive successes
TTL during failover	Enter value seconds

DNS Security

DNSSEC

- Yes - Sign DNS responses cryptographically
- No

DNSSEC

DNSSEC provides authentication of DNS responses, preventing DNS spoofing and cache poisoning attacks.

DNS DDoS Protection

- Yes - Standard DNS DDoS protection (included)
- Yes - Advanced DNS DDoS protection
- No

Have you experienced DNS attacks?

- Yes - DNS floods
- Yes - DNS amplification
- Yes - NXDOMAIN attacks
- No

Access Control

- TSIG authentication for zone transfers
- IP-based access restrictions
- Rate limiting per client

Zone Management

Zone Transfer

- Yes - F5 as primary, transfer to secondary
- Yes - External primary, F5 as secondary
- No

External DNS servers for zone transfer:

SERVER	IP ADDRESS	DIRECTION
Enter value	Enter value	<input type="checkbox"/> To F5 <input type="checkbox"/> From F5
Enter value	Enter value	<input type="checkbox"/> To F5 <input type="checkbox"/> From F5

Zone Import

Do you have existing zone files to import?

- Yes - Standard zone file format
- Yes - BIND format
- No - Creating zones from scratch

Number of zone files to import: _____

DNS Management Integration

How will DNS be managed?

- F5 XC Console (UI)
 - Terraform / Infrastructure as Code
 - API integration
 - CI/CD pipeline
-

Query Volume

DNS Query Metrics

METRIC	VALUE
Average queries per second	<input type="text"/> Enter value
Peak queries per second	<input type="text"/> Enter value
Daily query volume	<input type="text"/> Enter value
Monthly query volume	<input type="text"/> Enter value

Query Sources

Where do DNS queries originate?

REGION	PERCENTAGE
North America	<input type="text"/> %
Europe	<input type="text"/> %
Asia-Pacific	<input type="text"/> %
South America	<input type="text"/> %
Other	<input type="text"/> %

Advanced Features

Split-Horizon DNS

- Yes - Different responses for internal vs external
- No

Dynamic DNS

- Yes - Programmatic record updates
- No

GeoDNS Customization

- Yes - By country
 - Yes - By region/continent
 - Yes - By ASN (ISP)
 - Yes - By client subnet
 - No - Standard geo-proximity
-

Domain Delegation

Domain Registrar

Will you delegate domains to F5 nameservers?

- Yes - Update NS records at registrar
- No - Using F5 as secondary only

Current registrar: _____

Nameserver Configuration

Nameserver preference:

- F5 provided nameservers

Custom/vanity nameservers: _____

Summary: DNS Requirements

REQUIREMENT	VALUE
Total DNS Zones	<input type="text" value="Enter value"/>
Primary Zones	<input type="text" value="Enter value"/>
Secondary Zones	<input type="text" value="Enter value"/>
DNS LB Records	<input type="text" value="Enter value"/>
Health Checks	<input type="text" value="Enter value"/>
Estimated QPS	<input type="text" value="Enter value"/>
DNSSEC Required	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tier Required	<input type="checkbox"/> Standard <input type="checkbox"/> Advanced

Domains to migrate:

1. _____
2. _____
3. _____



Additional notes:

