SECURE DOMAINS

NEXT LEVEL SOVEREIGN AUTH DNS

AUTHORITATIVE DNS SERVICE

DNS ARMOR™ RESOLVE

Managed authoritative DNS with intelligent traffic steering and DNSSEC

Resolve is the authoritative half of DNS Armor™ — a cloud-managed, SaaS authoritative DNS service that hosts your zones across a resilient global network and answers every query fast, wherever your users are. Built in the GCC, for the world.

Combine one-click **DNSSEC**, intelligent **global server load balancing** and continuous health checking to keep applications fast, resilient and cryptographically trustworthy — with sovereign, in-region data control.

IDEAL FOR

- Global web & app delivery
- Multi-region failover
- Data residency
- MSP DNS hosting
- High-traffic domains

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Global network locations

GSLB
Geo, latency, priority & failover steering

DNSSEC
One-click signing & key rollover

API
Automation-first, infrastructure-as-code

At a Glance

Everything DNS Armor™ Resolve delivers, in one view

- ✓ Cloud-managed authoritative DNS (SaaS)
- ✓ GSLB & intelligent traffic steering
- ✓ All standard record types incl. ALIAS/ANAME
- ✓ Full multi-tenancy for MSPs & enterprises
- ✓ Primary & secondary (hidden-primary) zones
- ✓ Full zone & record lifecycle management
- ✓ Sovereign, in-region hosting

How GSLB Works

Every user is sent to the best healthy endpoint

One DNS hostname fronts many endpoints; geolocation, latency and live health state decide which answer each user receives — with automatic failover away from unhealthy endpoints.

AUTHORITATIVE, MANAGED

Host primary and secondary zones on a resilient, cloud-managed platform — no servers to patch, no BIND to babysit. Publish changes globally in seconds.

SOVEREIGN BY DESIGN

Built in the GCC with in-region data control — meet data-residency and sovereignty requirements without sacrificing global reach.

Authoritative DNS & Zone Management

Own your namespace on a managed, resilient platform

- Authoritative hosting for primary & secondary zones
- Zone transfer (AXFR/IXFR) & hidden primary
- Geo, priority, latency & failover steering
- Bulk zone import & templated records
- Elastic capacity for query bursts

Record Management

Every standard record type, one console

RECORD TYPE	PURPOSE
A / AAAA	Map hostnames to IPv4 / IPv6 endpoints
CNAME	Alias one name to another canonical name
ALIAS / ANAME	CNAME-like flattening at the zone apex
MX	Route mail to prioritized mail servers
TXT / SPF	Verification, SPF, DKIM and DMARC policy
SRV	Service discovery (host, port, priority)
NS / SOA	Delegation and zone authority records
CAA	Constrain which CAs may issue certificates
PTR	Reverse DNS for IP-to-name lookups

ZONE LIFECYCLE

Create, import and delegate primary and secondary zones with templated records and bulk operations. Zone transfer (AXFR/IXFR) and hidden-primary support ease migration, and full change history keeps every edit accountable.

DNSSEC

Sign zones with one click and let the platform manage key generation and **automated rollover** — protecting users against cache poisoning and spoofing while you publish the DS record upstream.

GSLB & Intelligent Traffic Steering

Send every user to the best endpoint, automatically

STEERING POLICIES

- **Geolocation** — answer by the user's region or country
- **Latency** — route to the lowest round-trip endpoint
- **Priority** — route by priority groups, promoting the next group on demand
- **Failover** — promote standby endpoints on failure
- **Round-robin** — distribute evenly across a pool

HEALTH & RESILIENCE

Continuous **HTTP/HTTPS/TCP** health probes with tunable intervals and thresholds detect failures in seconds and pull unhealthy endpoints from rotation automatically. Multi-region redundancy keeps authoritative answers flowing through regional outages.

Health Checks

Tunable HTTP/HTTPS/TCP probes with fast detection intervals and configurable failure thresholds.

Always-On Resilience

Multi-region redundancy keeps authoritative answers available and routes around regional outages.

Instant Failover

Unhealthy endpoints leave rotation automatically, keeping services reachable with no manual action.

Technical Specifications

At-a-glance reference

Service	SaaS authoritative DNS	**Zones**	Primary & secondary (hidden primary)
Record types	A, AAAA, CNAME, ALIAS, MX, TXT, SRV, NS, CAA, PTR	**Security**	DNSSEC signing + key rollover
Traffic mgmt	GSLB: geo, latency, priority, failover	**Health checks**	HTTP / HTTPS / TCP
Resilience	Multi-region redundancy	**Automation**	RESTful API, Terraform, CI/CD
Tenancy	Full multi-tenancy	**Hosting**	Sovereign, in-region
Analytics	Per-zone queries & audit logs		

Automate Everything

DNS as code

Manage zones, records and steering policies through a **RESTful API** with infrastructure-as-code workflows — Terraform, pipelines and GitOps — so DNS changes ship with the same rigor as the rest of your stack.

INSIGHT

Real-time, per-zone query analytics — volumes, record hits, geographic distribution and response health — for capacity planning and troubleshooting.

BETTER TOGETHER

Pair **Resolve** (authoritative DNS) with **Protect** (recursive DNS firewall) for end-to-end DNS security — from the queries your users make to the domains you publish to the world — under one sovereign DNS Armor™ platform.

Deploy DNS Armor™ Resolve

Authoritative DNS, GSLB and DNSSEC on a resilient global network — sovereign by design.

Secure Domains
Sovereign cloud DNS security
secure-domains.org/products/resolve