NS1 Managed DNS for China

The market in China for online services and content is large, lucrative, and challenging. Enterprises seeking to deliver a high quality online experience to users find it especially difficult to overcome the DNS latency impact the Great Firewall.

Managed DNS for China combines network locations in China with Nameserver Acceleration to provide unified traffic management worldwide while enabling fast DNS on both sides of the Great Wall.

By modernizing DNS services, NS1 helps enterprises solve performance limitations when serving the China market.

Faster Response Times
DNS queries avoid traversing the Great Firewall, regardless of their source or the domain queried.

Optimal User Experience
Traffic management that intelligently routes around disruptions and sends every user to the fastest datacenter or CDN.

Simplified Operations
Turnkey service managed by NS1 that is fully synchronized and managed from one pane of glass.

Proven and Trusted by Global Firms

Zoho
Tealium
PubNub

NS1
Challenges

Overcoming performance challenges caused by the Great Firewall can be complicated and costly for enterprises.

DNS services hosted entirely outside of China result in long DNS resolution times for queries that originate from China. Similarly, DNS services hosted entirely inside of China result in long DNS resolution times for queries that originate from the rest of the world.

When DNS nameserver delegation is global, hosting nameservers both inside and outside of China cannot ensure that DNS requests do not traverse the Great Firewall.

End users get fast DNS resolution from NS1 points of presence strategically located and connected to the top network providers in China.

Nameserver acceleration, a technical innovation from NS1, enables the use of a unified global DNS configuration while ensuring that queries are answered by local nameservers and do not traverse the Great Firewall. The result is dramatic improvements in DNS performance for all users going to any domain hosted with NS1.

Organizations can also optimize user experience and improve availability with intelligent traffic management:

- Steer every user to the location that will deliver the best possible online experience.
- Route around infrastructure or capacity problems to increase application availability.

Features

China-hosted Network
Fully managed, authoritative DNS network, with points of presence at Shanghai, Beijing, Qingdao, and Shenzhen.

ISP Connectivity
Connectivity to China Telecom, China Unicom, and China Mobile.

Nameserver Acceleration
Regardless of whether the DNS request is for a .com, .net, or .cn zone, the responding nameservers will be on the same side of the Great Firewall as the origin of the request, which improves performance and user experience.

Fast DNS Response
Sub 50ms response times to DNS queries originating in China.

Rapid DNS Propagation
DNS updates are pushed to NS1’s edge nodes in seconds.

Intelligent Traffic Management
Routing ensures that users get to servers, datacenters, CDNs, or cloud instances that deliver optimal performance regardless of their origin.

Single Pane of Glass Management
Maintain all DNS zones, records and intelligent traffic management in a single console or via API.

Simplified Billing
Customers receive one bill from NS1 for all services, simplifying vendor management.

Simplified Support
Single point of contact for all support issues across all NS1 services.