



CONSTELLIX

NS1 COMPARISON

NOTABLE FEATURES



REASONS WHY CONSTELLIX IS A BETTER ALTERNATIVE TO NS1



UPTIME

Constellix is the only provider in the industry to offer true 100% uptime regionally and worldwide since inception. Constellix owns the largest authoritative DNS network in the world. Backed by 20 PoPs worldwide and located at crucial peering points for optimal connectivity.



DNS METRICS

Constellix offers the most advanced query analytics and insight to your DNS traffic in the industry. Real-Time Analytics allows you to export system logs, detect potential attacks, identify stale or unused records, and pinpoint a CDN that may be making excess requests.



GEODNS ROUTING

Constellix offers a powerful set of tools that allow you to segment your traffic based on your users' location or network. GeoDNS empowers you to build your own CDN, load balance between multiple systems, block malicious or unwanted traffic, and optimizes routing for different networks or regions.



AI / ML ALERTING

Constellix is the only provider in the world to alert you of suspicious spikes with our Real-Time Traffic Anomaly Detection. Receive automatic notifications if you are encountering a DDoS or malicious spam attack, internal systems are configured incorrectly, or if you are experiencing server issues.



DNS FAILOVER

Our enterprise monitoring suite, Sonar, automatically moves your traffic from unavailable resources to healthy ones. DNS failover is intrinsically integrated with GeoProximity, global load balancing, traffic steering, round robin, and latency load balancing. Failover is supported for A, AAAA, ANAME, and CNAME records.



Multi CDN CAPABILITIES

Constellix utilizes real-time machine learning to dynamically route traffic to the best CDN for each user. Our unique CDN dashboard allows you to filter and visualize data using a variety of metrics. Receive instant notifications with our built in failover if any CDN goes down and get alerted when they are up and running. Double your coverage map, ensure 100% uptime even during provider outages, and view significant performance gains. The reporting uses our ITO feature and RUM to calculate the fastest performing CDN in your desired region, therefore allowing you to obtain a granular insight to the performance into your CDN (constellix.com/products/cdn-performance).



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FACT: Constellix has more peers than NS1.



NS1.

How Do We Compare?

100% uptime over the past 12 months.	✓	✗
100% uptime over the past 36 months.	✓	✗
Easy wizards and import utilities	✓	✓
IP Anycast DNS network (DNS resolution at the edge)	✓	✓
24/7/365 Technical Support	✓	✓
Multi-factor authentication and SSO	✓	✓ (Only with paid services)
DNS Failover on A / AAAA / CNAME / and ANAME records.	✓	Limited records and features available. Only with Cloudflare CDN.
Geo DNS capabilities	✓	Limited (use with only Cloudflare CDN)
MultiCDN capabilities	✓	✓ Limited
Full API Capabilities	✓	✓ Only with paid services
GUI Interface for DNS management	✓	✓
DNS Templates	✓	✗
Vanity Name Servers	✓	✓ (Only with paid account)
Real-Time Logging of DNS queries	✓	✗
DNS query reporting	✓	✓ (Basic features only)
Weighted Round Robin	✓	✗
ANAME (Alias records)	✓	✓ (Limited features)
Multi-User Access	✓	✓ (Only with paid account)



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The proof is in the numbers.

Constellix wins hands down.



How Do We Compare?



NS1.

Real-Time Anomaly Detection (artificial intelligence/machine learning)



Top tier DNS speeds



Dedicated DNS specialists and support



DNS BY THE NUMBERS

3,600+
PEERS



Constellix
3600+ BGP Peers
VS
NS1: 123 BGP Peers

600+
GBPS TRANSIT
CAPACITY



Constellix
600Gbps+
TRANSIT CAPACITY
VS
NS1: UNDISCLOSED

540+
GBPS PEERING
CAPACITY



Constellix
540Gbps+
PEER CAPACITY
VS
NS1: 122 GBPS

100%
UPTIME



Uptime
11+ Years
VS
NS1 Outage: Yes

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READ MORE ABOUT NS1 OUTAGE: <https://blog.thousandeyes.com/how-to-analyze-ddos-attack-dns-infrastructure/>

2020 NS1 OUTAGE REPORT: <https://ns1status.com/#!/uptimehistory?dateRange=lastyear&showDowntimeIncidentsOnly=true&allComponents=false>