



JOIN THE 20+ YEAR **TRUSTED** **NETWORK** THAT POWERS DNS MADE EASY AND CONSTELLIX.

MAKING THE INTERNET FASTER, MORE RELIABLE, AND SECURE
WITH NEXT-GEN DNS MANAGEMENT AND MONITORING.

PROVIDING SMART SOLUTIONS WITH 100% UPTIME.

INTRODUCTION
Network Map

OUR NETWORK
Security
Disaster Recovery



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CONSTELLIX NETWORK MAP



**OUR STRATEGICALLY PLACED PoPs ARE
ENGINEERED FOR HIGH CAPACITY
ANSWERING OVER 150 BILLION
QUERIES EACH DAY**

**BUILT-IN DDOS MITIGATION AND TRAFFIC SCRUBBING
20 POINTS OF PRESENCE & OVER 100 MONITORING NODES**



OUR NETWORK



BUILT ON 20 YEARS OF UPTIME AND ELITE PERFORMANCE



IRON-CLAD BATTLE TESTED NETWORK

Constellix managed DNS services are backed by our very own IP Anycast network. We manage our entire network in-house from contract to rack, to router, to switch, to nameserver. Our network was built and maintained by the same team of engineers who are responsible for maintaining DNS Made Easy's industry's fastest speeds and 17-year 100% uptime history.

Constellix is the only network with 100% uptime

ADVANCED FEATURES

The secret behind our speeds and uptime is our exclusive partnerships with Tier 1 data and bandwidth providers, as well as an elaborate system of fail-safes at all of our points of presence... more on that in a minute.

While Constellix is a product of DNS Made Easy, it's important to know that our network is completely independent of DNS Made Easy's. We operate our own nameservers that use proprietary software which allows us to implement a number of advanced features not possible with a standard RFC-compliant nameserver software, such as DNS Made Easy.

We also own and maintain our own monitoring network which is made up of over 100 monitoring nodes at critical vantage points all around the world.

Our network is monitored around the clock by both our own monitoring solution as well as third-party monitoring services.



NETWORK



INDUSTRY LEADING GLOBAL NETWORK.



The only network with a 100% uptime history

**BUILT-IN DDOS MITIGATION AND TRAFFIC SCRUBBING
20 POINTS OF PRESENCE & OVER 100 MONITORING NODES**

POINTS OF PRESENCE:

Seattle, WA, USA
San Jose, CA, USA
Los Angeles, CA, USA
Miami, FL, USA
Dallas, TX, USA
Washington, DC,
New York, NY, USA
Chicago, IL, USA
Singapore, SG
Tokyo, JP
London, GB
Frankfurt, DE
Amsterdam, NE
Sydney, AU
Hong Kong, HK
Sao Paulo, BR
Bogota, CO
Santiago, CL
Johannesburg, SA
Mumbai, IN



NETWORK SECURITY

**BATTLE-TESTED, SELF-HEALING NETWORK
20+ YEARS OF INDUSTRY EXPERIENCE**

DESIGNED TO WITHSTAND

Our network was designed to withstand a variety of DNS-based attacks in both scale and complexity.

Before queries reach our nameservers, we use a proprietary “scrubbing” algorithm to clean out pernicious traffic and redirect it to upstream scrubbing facilities.

All of our PoP’s are equipped with a comprehensive system of firewalls that act as an invincible barrier against potential threats.

NETWORK EQUIPPED WITH:

- Proprietary and open source firewall and intrusion detection services
- Remote traffic blackholing and bandwidth capacity agreements with Tier 1 upstream providers
- Proprietary and open source DDoS mitigation devices
- Distributed infrastructure monitoring that utilizes internal and third-party monitoring services
- Automated zone comparison on all DNS Servers





POWERED BY MULTI-TIERED REDUNDANCY

NETWORK

MULTI-TIERED FRAMEWORK

We believe that having zero downtime is not only expected in the DNS business but required. That's why we engineered our own proprietary multi-tiered framework that creates localized server redundancy and scalability within our Anycast server constellation.

Every server cluster has its own assigned set of redundant servers that are constantly updated in real-time, thanks to instant propagation.

PERFECTED REDUNDANCY

That means if a server cluster is overloaded with traffic, then its redundant counterpart will take on a portion of the traffic. All nameservers are preconfigured to handle these contingencies.

This allows our network to withstand even catastrophic localized or even regional outages. Redundant server clusters would automatically take over the query load with no appreciable effects to querying clients.

In the event of resource failure, there are multiple fail-safes in place for every one of our thousands of nameservers so there is no single point of failure anywhere in our network.



WANT TO LEARN MORE? LET'S CHAT!

LET US SHOW YOU WHY CONSTELLIX IS THE PERFECT FIT
FOR YOUR FULL SERVICE DNS SOLUTION.



CONTACT A SALES REPRESENTATIVE FOR A LIVE DEMO

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