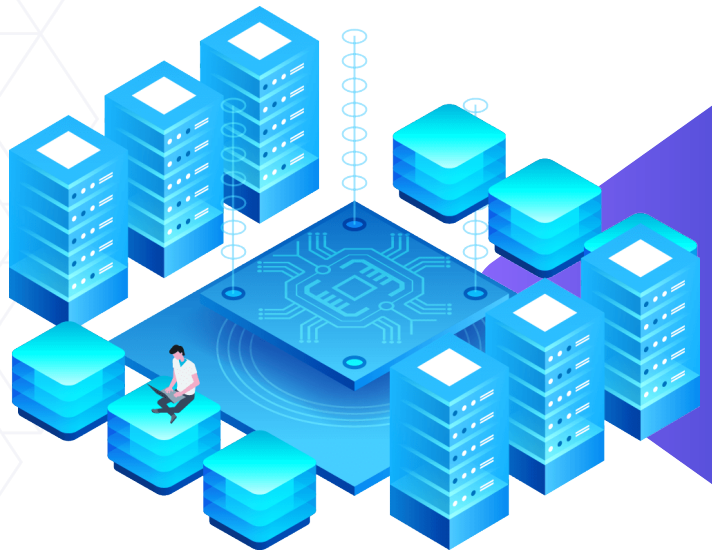


The Constellix Network

The World's Fastest and Most Reliable Managed DNS Network



Introduction

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Our Network

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Our Network

BUILT ON 17 YEARS OF UPTIME AND PERFORMANCE

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

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 round the clock by both our own monitoring solution as well as third-party monitoring services.

Meet the industry's fastest and most reliable network.

The only network with a 100% uptime history

15 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, USA

New York, NY, USA

Chicago, IL, USA

Singapore, SG

Tokyo, JP

London, GB

Frankfurt, DE

Amsterdam, NE

Sydney, AU

Hong Kong, HK

MONITORING NODES:

All of our points of presence locations plus...

Los Angeles, CA, USA

Fremont, CA, USA

San Francisco, CA, USA

Newark, NJ, USA

Atlanta, GA, USA

Toronto, ON, CA

Auckland, NZ

Copenhagen, DK

Paris, FR

Vienna, AT

Bucharest, ROU

Milan, IT

Adelaide, AU

Cairo, EG

Cape Town, ZA

Bangalore, IN

Chennai, IN

Hanoi, VT

Network Security

BATTLE-TESTED, SELF-HEALING NETWORK

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.

Our network is also 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

Disaster Recovery

POWERED BY MULTI-TIERED REDUNDANCY

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.

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?
WE'D LOVE TO CHAT.

Contact a Sales Representative for a live demo

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