

# [✓] CONSTELLIX

A Revolutionary Cloud-based Traffic Management Suite

Monitoring, Analytics  
and the most accurate  
GeoDNS platform

Mon, Jan 22 2019 17:46:07 UTC	San Jose, CA, U.S.A.	North America West	96.45.91.219	628	16
Mon, Jan 22 2019 17:46:07 UTC	San Jose, CA, U.S.A.	North America West	96.45.91.219	584	16
Mon, Jan 22 2019 17:46:08 UTC	San Jose, CA, U.S.A.	North America West	96.45.91.219	588	44
Mon, Jan 22 2019 17:46:07 UTC	San Jose, CA, U.S.A.	North America West	96.45.91.219	628	328
Mon, Jan 22 2019 17:46:07 UTC	San Jose, CA, U.S.A.	North America West	96.45.91.219	620	44
Mon, Jan 22 2019 17:46:07 UTC	San Jose, CA, U.S.A.	North America West	96.45.91.219	628	44
Mon, Jan 22 2019 17:46:07 UTC	San Jose, CA, U.S.A.	North America West	96.45.91.219	588	56
Mon, Jan 22 2019 17:46:07 UTC	San Jose, CA, U.S.A.	North America West	96.45.91.219	628	44

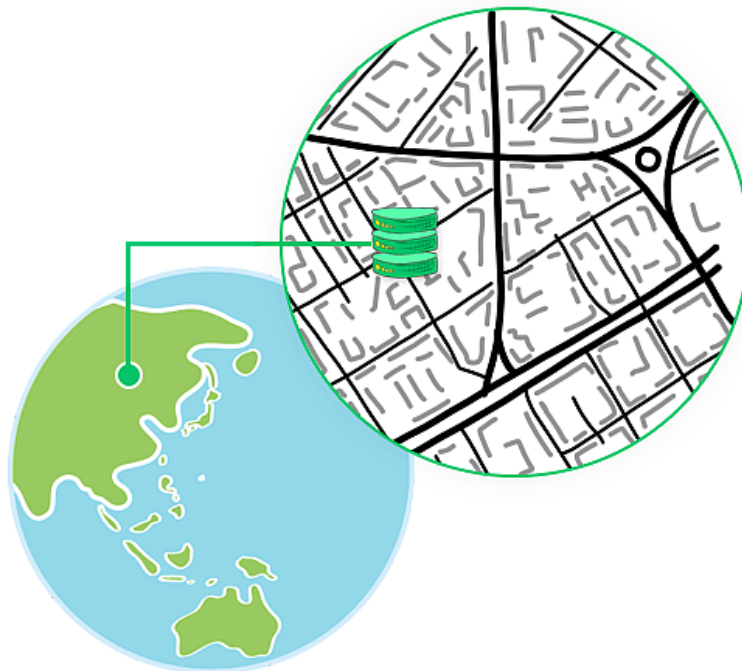
Showing 1 to 10 of 100 entries

Copyright Constellix © 2019. All Rights Reserved Ver: 1.0.4

Previous

# Table of Contents

<b>Introduction:</b>	Meet Constellix
<b>Our Network:</b>	14 years of reliability
<b>Sonar:</b>	Optimize your web performance with expert analytics tools
<b>Geo-DNS:</b>	The bottom line, GeoIP services provide maximum accuracy
<b>Synergy:</b>	All-in-one traffic management and real-time DNS updates
<b>Why Constellix:</b>	An inside look at the Constellix Advantage



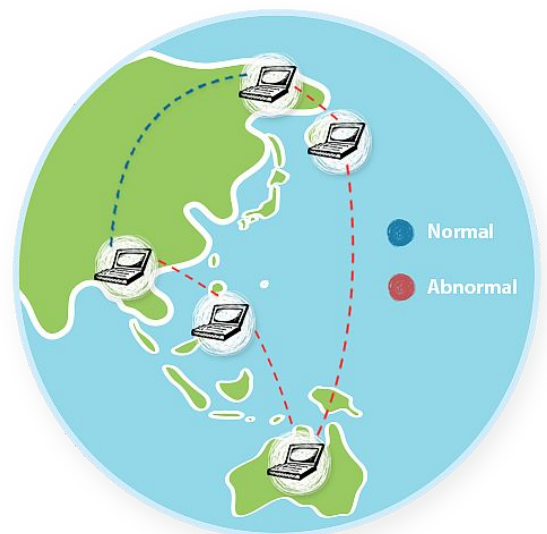
# Introduction

Constellix is a revolutionary suite of monitoring, analytics, and Geo-DNS services. Our engineers have taken the reliability of [DNS Made Easy's](#) IP Anycast+ network and developed a brand new infrastructure paired with a monitoring suite to meet the demands of today's cloud-based markets.

Developed in-house, our engineers pored over user feedback and incorporated user suggestions into Constellix's infrastructure such as more granular Geo-DNS lookups using Geo-Proximity and GeoFilters.

Now what makes Constellix so unique is the synergy between Sonar and Geo-DNS. Rather than using multiple providers or services to manage DNS, Constellix users can be notified via Sonar of an outlier, log in to one interface, analyze query traffic, and immediately fix the issue within the SAME application.

With Constellix, you get two programs through one cohesive platform with no installation required. Here, we like to call it "DNS on steroids," taking your query resolutions to the next level of speed and accuracy.



## Who We Are

- Our engineers are industry experts, specializing in DNS and designing cloud-based infrastructures for government and financial institutions
- We eat, breath, and dream in DNS... we're always researching and updating our systems to stay ahead of latest threats and DDoS risks
- Developed in-house, our Constellix engineers design and maintain every aspect of our network from server, to rack, to monitoring nodes.
- We've developed a tool so comprehensive and intelligent that you barely have to lift a finger to accomplish your DNS needs. That means you can keep doing what you do best!

# Our Network

Constellix operates on a 5th generation [IP Anycast+](#) network supported by only top tier data centers such as Telia Sonera, NTT, Tata, and GTT. Our IP Anycast + network was specially built in-house by DNS Made Easy engineers to overcome the shortcomings of the industry standard IP Anycast network. With exponentially more layers of redundancy and massive scalability, our network is more than ready to handle your DNS needs.

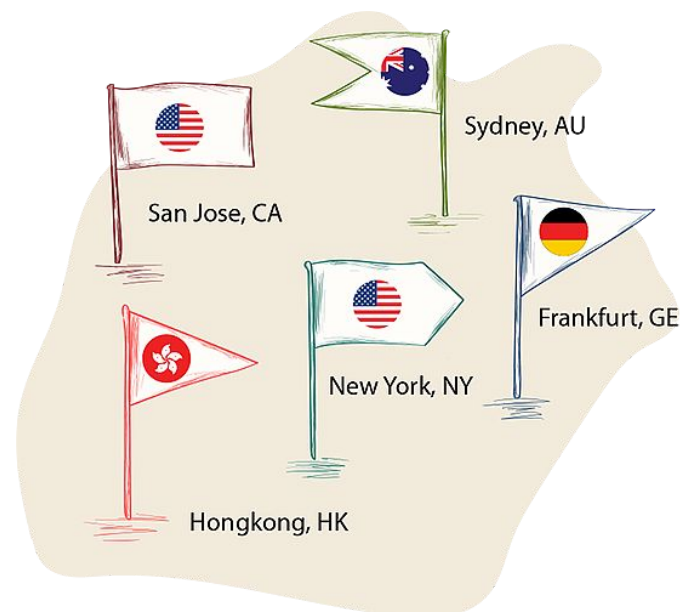
Our infrastructure spans 16 geographically diverse Points of Presence (PoP) which each add multiple layers of redundancy, reliability, and security. In Q3 2015, we added 2 new PoP's in Amsterdam and Singapore to boost resolution times and ensure additional layers of security against DDoS attacks.

In the last year alone, reported [DDoS attacks](#) have surged 134%, with the majority of attacks originating from China and targeting the United States. Constellix engineers have committed to exerting every effort into upgrading and maintaining the highest quality of query resolution at all of our locations.

We are so confident in our network, we guarantee 100% uptime of our services.

Ashburn, VA  
Chicago, IL  
Dallas, TX  
Los Angeles, CA  
San Jose, CA  
Seattle, WA  
Miami, FL  
Reston, VA  
New York, NY

Frankfurt, DE  
Sydney, AU  
London, UK  
Hong Kong, HK  
Tokyo, JP  
Singapore  
Amsterdam, NE



# Sonar Analytics

Admins have become so overloaded with content and network issues, it's easy to become inundated with useless information when you're trying to troubleshoot an issue with your web performance. [Constellix Sonar](#) makes it easy, showing you a quick overview of your preconfigured checks immediately when you log in.



**Region Specific  
Monitoring**



**All-in-One  
Dashboard**



**Real Time  
Statistics**



**Web Check**



**Weighted Round  
Robin**



**Geo IP and GTD**



**DNS Check**



**Scheduled  
Downtime**



**Shift Aware  
Notification**



**Delayed  
Notification**



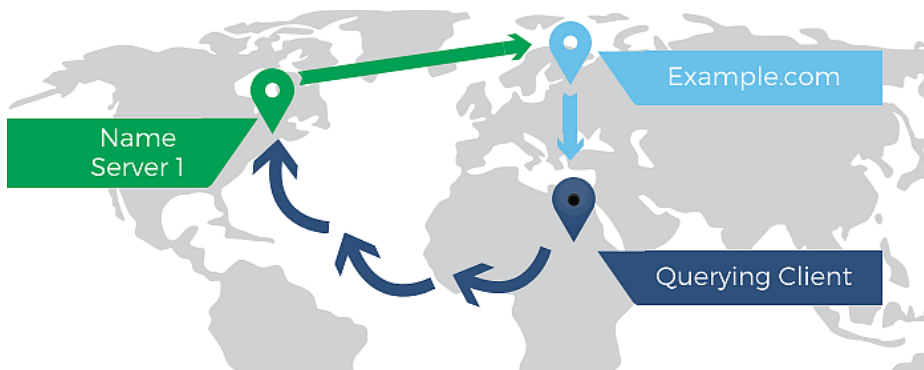
**Trace Route**



**Role Based  
Contacts**

Paired with our smart notifications system, you'll always be the first to know when there is any issue or irregularity with your network's performance. Outages can be costly, and you could be paying for thousands of dollars in lost revenue, IT costs to repair any damages, and lose brand loyalty. [DDoS](#) is becoming the biggest concern for businesses with a web presence, but Sonar can help you predict attacks before they harm you or your customers.

# Geo-DNS Services



[ how GeoIP routes queries ]

[Constellix DNS](#) is the second part of the all-in-one Constellix suite. Praised as the most accurate Geo-DNS service in the world, Constellix makes this possible through the use of GeoIP services.

## GEOIP SERVICES

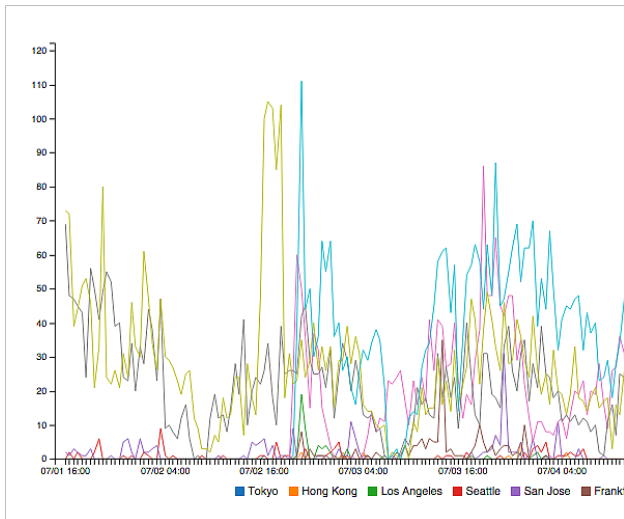
GeoIP is the core of GeoDNS. In a nutshell, GeoIP services allow queries to be replied to from the closest possible location. This process is very detailed, but it's such an exciting aspect of GeoDNS we decided to create an entire [White Paper](#) devoted to just how GeoIP routes query traffic and the technical aspects of how this is configured within our network. Paired with the Global Traffic Director, Constellix DNS gives you the deepest levels of granularity for query resolution, and the most geographically accurate response.

## GLOBAL TRAFFIC DIRECTOR

[Global Traffic Director](#) (GTD) is able to detect the geographical location of the querying client. Based on the region where the client is querying from, our network responds with a unique answer to a server within the querying client's region.

Let's say you're in London trying to access an American site. Most networks would direct the query to the local American servers and send a response all the way back over the pond to London. This is inefficient and leads to both increased latency and increased security risks. Instead, GTD checks where you're querying from (London) and then creates a response unique to your region.

# Geo-DNS Cont'd



## REAL-TIME STATISTICS

Constellix also uses a new analytics feature we like to call RTS, or [Real-Time Statistics](#). This feature allows you to see your incoming query traffic in real time. RTS uses Automated Query Reporting which has the ability to predict impending DDoS attacks before they happen. Automated reporting also allows you to create interactive reports which can be used for analytics and troubleshooting.

## WEIGHTED ROUND ROBIN

Direct traffic based on unequal weights that you specify. [Weighted Round Robin](#) is great for companies who are used to large amounts of traffic and can even be configured with Failover for additional redundancy.

## POOLS

Pools have become the go-to tool for DNS admins, allowing you to quickly switch between large groups of servers. With Constellix, we give you the freedom to manipulate up to [256 servers per pool!](#)

## GEOFILTERS

GeoFilters allow you to decide how your users will access your site on a geographic basis. You have the ability to either redirect users to a different interface per their location, or even exclude a region from accessing your site.

## GEOPROXIMITY

With GeoProximity you can easily narrow down from targeting users by region, to as narrow as city level lookups! Just enter their geographical position using longitude and latitude.

# Synergy

Over the years, many users have come to DNS Made Easy and asked for a monitoring integration so they can cover all of their bases within one seamless interface. Together with the aid of our users' feedback, we were able to build an application that merged GeoDNS with Monitoring and Analytics--the first of its kind, a master suite of cloud-based traffic management services.

## SAVE MONEY

We know DNS services and monitoring programs can get expensive, but Constellix is a one-stop shop where you can get all your needs met without having multiple subscriptions or payment plans. And with our pay as you go pricing plans, you only pay for the tools you use!

## WE'VE GOT YOUR BACK

We take every measure possible to ensure our network and name servers are just top of the line, but are always exceeding industry standards. Our integrated DNS and monitoring system creates additional layers of redundancy that you just can't beat with two separate systems.

## WE'LL HELP YOU MOVE

We've made it as easy as possible to move your domains over from other name servers, it's so simple you can do it in just three steps with the New Domain Wizard! Once you've added your domains to Constellix name servers, you can start modifying and monitoring your domains within minutes of switching.

## SEO CERTIFIED

Constellix is optimized for SEO, providing you with top speeds all around the world paired with elite monitoring software that can detect any backend issues that could slow down search engine results.



# Get Started Today

**Get started today** and take our elite suite of services for a test drive.

If you get stuck or need more information on how to manage your DNS services or monitoring solutions with Constellix, feel free to give us a call at **703.880.3095** and one of our sales technicians will give you a guided tour.



We're about to roll out some exciting new events taking place right on your screen! Starting in July, we will be hosting a series of **LIVE DEMOS** to showcase what Constellix is capable of.

Have any questions or want us to delve deeper into one of our features? Tweet **@Constellix** or tune into our live demos and ask us in the comments section.

## About Us

Constellix is a subsidiary of Tiggee LLC, designed by the same engineers who brought you DNS Made Easy. Constellix is the only Traffic Management Service of its kind that helps fuel end-user experiences to incomparable levels because of its all-in-one synergy between both the Sonar monitoring suite and Geo-DNS services.