



# YOUR **STRATEGIC GLOBAL** DNS PARTNER.

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

**PROVIDING SMART SOLUTIONS WITH 100% UPTIME.**

## **CONSTELLIX IS:**

**DNS Management**

GeoDNS

Load Balancing

DNS Security Platform

**Sonar Network Monitoring**

Real User Monitoring



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# WHY CONSTELLIX?



## YOUR PROBLEMS ANSWERED. 100% UPTIME, ALL THE TIME.



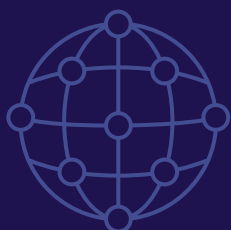
UPTIME

### OUTPERFORMING THE COMPETITION

Constellix combines the reassurance of a 15-year legacy network (DNS Made Easy) that has consistently outperformed the competition with intelligent traffic routing services that can dynamically adapt to network conditions and resource performance.

### PROPRIETARY SOFTWARE

We designed Constellix with a completely new, custom code base that allows us to do amazing things that DNS Made Easy (and other legacy services) could never accomplish. Such as proprietary name server software that allows us to implement a number of advanced features not possible with a standard RFC-compliant name server software.



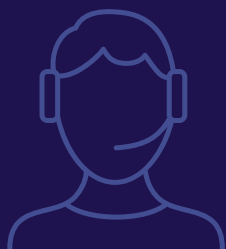
GLOBAL NETWORK

### INNOVATIVE + SMART SOLUTIONS

This technology opened the doors for innovative solutions for managing multi-CDN architectures and globally distributed cloud services, such as our Traffic Steering service. Traffic Steering uses a combination of advanced DNS routing rules and Real-User Monitoring to optimize how traffic is routed to your resources based on the current state of the Internet.

### FUELED BY DATA

Traffic Steering, as well as many of the features in the Constellix suite, are fueled by data we've gathered from our natively integrated monitoring service that we call Sonar.



SUPPORT

### ADAPTABLE TROUBLESHOOTING

Sonar hosts a suite of crucial network monitoring services and troubleshooting tools that can easily be used to inform your DNS routing configurations and help you automatically adapt to changing network conditions.



# 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



# MORE THAN DNS



## PROVIDING THE TOOLS NEEDED TO ACCELERATE APPLICATION DELIVERY AND ACCURACY.

TRAFFIC OPTIMIZATION | MULTI-CLOUD | SECURITY

### FULL SERVICE DNS



DNS is no longer a simple point & click domain management service. It has evolved into a critical optimization tool for network admins and DevOps, alike.

Here at Constellix, we augment our managed DNS services with built-in network monitoring, health checks, performance monitoring, and query analytics. We ingest data from these sources and use it to optimize how traffic flows to your different systems.

### HOW IS ALL THIS POSSIBLE?



We were engineered differently, by a team of industry veterans who designed our service from the ground up to handle the edge cases and complex configurations that other providers can't.

We specialize in multi-cloud and multi-CDN optimization, using cutting-edge techniques like Real-User Monitoring to deliver the best possible experience every time.

Constellix fits seamlessly into your stack, whether you prefer programmatic implementations or point and click domain management.



# GeoDNS SERVICES

**GeoDNS is a powerful set of tools that allow you to segment your traffic based on users' location or network.**

Use information about your end-users, such as location or network, to automatically route them to different resources.

You can use GeoDNS to create record-specific rules that permit or prevent specific users from accessing your content.

## USE THIS TECHNOLOGY TO:

- **BUILD YOUR OWN CONTENT DELIVERY NETWORK (CDN)**
- **GEOGRAPHIC LOAD BALANCING**
- **BLOCK MALICIOUS OR UNWANTED TRAFFIC**
- **OPTIMIZE ROUTING FOR DIFFERENT NETWORKS OR REGIONS**

### **DNS FILTERS:**

create unique routing rules based on users' location or network

### **PROXIMITY BASED ROUTING:**

turn your resources into magnets that attract local traffic

### **REGIONAL TRAFFIC STEERING:**

queries are answered by nameservers in their current region



# LOAD BALANCING



**Creating INTELLIGENT TRAFFIC DISTRIBUTION for high availability and low latency. DNS Load Balancing distributes your query traffic across multiple resources on resource availability and performance.**

Load balancing is commonly used to manage traffic flow between redundant systems, such as web servers or CDN services. All systems in the configuration are always “live” and each handles a share of incoming traffic. That way, if one system is unavailable, the rest will take over the load with no appreciable impact to end-users.

These kinds of multi-cloud architectures have sky-rocketed in popularity over the past few years, thanks to advances in DNS management which have made load balancing across multiple cloud services significantly more affordable and accessible than traditional hardware load balancers.

Constellix takes load balancing one step further, by letting you inject your own custom logic into your configurations. You can apply rules that optimize traffic flow based on resource performance, cost, and network topography. Or write your own rules based on the querying client’s location or network.



## MULTIPLE WAYS TO SET UP LOAD BALANCING:



**MULTI-VALUE (WEIGHTED AND ROUND ROBIN) •**

**LOAD BALANCING WITH HEALTH CHECKING •  
(SINGLE VALUE FAILOVER OR MULTI-VALUE)**

**LATENCY-BASED LOAD BALANCING •**

**REGIONAL LOAD BALANCING •**



# DNS SECURITY PLATFORM

**DNS Security is more than attack mitigation...**

**CONSTELLIX has all the tools you need to safeguard your network surface from attackers and common exploits.**

Our security platform focuses on proactive measures and strategies that provide redundancy for your web-facing resources and secure your domains from the inside out so that you (hopefully) will never have to worry about mitigating attacks.

We give you all the tools you need, from early attack detection to IP blocking technology that prevents attackers from even reaching your domains in the first place.

## THE PILARS OF OUR SECURITY PLATFORM:

**PROTECT:** Constellix operates a triple Anycasted network that utilizes a system of multi-tiered redundancy to withstand query surges and DNS-based attacks.

**INTERNAL SECURITY:** We have multiple measures that come standard with all accounts that help assure that your account and domain configurations are protected.

**Detect:** Detect the early signs of an attack while there's still time to take action. Our advanced query analytics service gives you all the tools you need for total domain visibility.

**Defend:** Filter out potentially malicious traffic by region, country, city, network (ASN), IPv4, or IPv6 address.



# NETWORK MONITORING



## INTUITIVE SONAR SOLUTIONS FOR ENTERPRISE NETWORKS & DISTRIBUTED APPLICATIONS



**THIS ISN'T JUST NETWORK MONITORING...** Sonar is the brains behind our traffic management services. Like our Traffic Steering solution, which combines Real-User Monitoring data with synthetic monitoring metrics to inform traffic steering decisions in real time.

**SONAR CAN ALSO CAN AUTOMATE SIMPLE TASKS,** like if a resource is unavailable it will update your Failover configurations to point to a healthy resource. Sonar takes care of the monotonous network tasks for you, so you can go back to focusing on what's important.

**SONAR CAN ALSO AUTOMATE MORE ADVANCED TASKS,** like making sure your traffic is only routed to healthy, high performant resources. And it only takes a few extra steps while you are setting up your DNS configurations.

**DON'T GET CONFUSED...** Sonar does a lot more than augmenting our traffic management suite.

**SONAR CAN OPERATE INDEPENDENTLY AS A STANDALONE MONITORING SERVICE FOR ENTERPRISE-SCALE NETWORKS AND DISTRIBUTED APPLICATIONS.**





# REAL USER MONITORING

**CONSTELLIX REAL USER MONITORING  
ALLOWS YOU TO CAPTURE USER AND  
COMMUNITY DATA IN REAL TIME.**

Real User Monitoring (RUM), is a network monitoring service that gives you a direct line of sight into how your website or application loads on actual users' browsers.

You can use RUM to get a more granular view of localized response times for your web-facing resources. Additionally, you can improve your response times by injecting RUM data into your DNS configurations with our intelligent Traffic Steering service. Traffic Steering decisions can be made based on your user data or our community-driven data set.

All you need is the ability to insert JavaScript snippet on your website or application. Then sit back, and watch the data come in as your RUM gathers user metrics in real time!

You can use RUM to solve the "middle of the country" issue and fill in performance gaps that can't be fixed with GeoDNS or synthetic latency monitoring.

**RUM CAPTURES SIGNIFICANTLY MORE  
NETWORK HOPS AND ISP CONNECTIONS THAN  
TRADITIONAL MONITORING SOLUTIONS.**



# 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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