DNS FAILOVER FOR HIGH AVAILABILITY

HIGH AVAILABILITY FOR YOUR CRITICAL SITES AND APPS

Searching for a low cost and effective method to increase uptime and protect against mission critical downtime and failure? Look no further than the CloudFloor DNS Failover services. In today's online economy, your sales and business reputation depend on being available 24x7x365. Even a brief online outage will impact online sales and do irreparable damage your brand.

Unplanned downtime or degraded service can add up to massive losses for the business in just a matter of minutes. Implementing a monitoring and failover service for your mission critical websites, apps and other services can avoid unplanned downtime all while improving the quality of the services provided.

Failover websites and web apps to a backup IP, or failover your primary internet connection to a backup and instantly change your DNS to the backup IP block. Powered by a patented, world-class Anycast DNS network our failover provides fast, reliable authoritative DNS to fortify your on-prem or cloud based infrastructure. Our global server monitoring and DNS failover helps your online business get that much closer to delivering the holy grail of availability - 99.999% uptime. Test from up to seven global locations and failover to a backup IP address instantly. Failover multiple hosts within a DNS zone, or failover when servers become slow or degraded.

A PATENTED ANYCAST DNS PLATFORM

+ **PERFORMANCE & DISTANCE BASED LOAD BALANCING US PATENT**
  Over 20 years in business and a recently granted patent on performance and distance based load balancing set's us apart from the competition

+ **FAILOVER ON SERVER DOWNTIME**
  Monitor and failover when your servers or apps stop responding. We notify and failover DNS

+ **FAILOVER ON SERVER LATENCY**
  Monitor and failover when your servers or apps become slow. We notify and failover DNS

CloudFloorDNS™
AN EVERBRIDGE SOLUTION

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CALL +1.781.373.5823

DNS FAILOVER - LOW COST HIGH AVAILABILITY

WHY CLOUD-BASED DNS FAILOVER IS A SMARTER CHOICE THAN HARDWARE

When it comes to the choice between hardware such as F5, Barracuda, Kemp and others, the cloud-based CloudFloor solution is a smarter choice, especially when it comes to speed of deployment and price.

Hardware load balancers hostorically require large capital expenditures and getting started with hardware requires employee training and deployment time alone can take weeks or months. Our monitoring and failover services are cloud-based and can be setup in a matter of minutes and the secure web-based control panel makes it easy to edit DNS, monitoring and failover options and requires virtually no training at all.

INNOVATIVE & FLEXIBLE MONITORING

+ Monitor as often as every 60 seconds
+ Monitor 19 different ways. http, https, ssh, ping, sip
+ Customized notifications and group access
+ Stats retention allow you to view past results
+ One failover test can change multiple subdomains

GLOBAL MONITORING & ANYCAST DNS

+ 7 locations across the globe test your servers and apps
+ All locations monitor your resource, no false positives
+ 3 or more locations must be down for failover to initiate
+ 14 Anycast DNS locations for rock solid & fast DNS
+ Secure web-based DNS editing with 2-factor auth
+ Multi-user options with groups and permissions

FAILOVER WITH LOAD BALANCING & GEO

+ Failover from bad IP's with roud-robin load balancing
+ Use weighted load balancing and failover slow servers
+ Geo load balance and failover if a cluster/server fails
+ Failover if servers become slow or have high latency

CLOUD & CDN COMPATIBLE

+ FAILOVER SERVER(S) & APPS

Your website, Outlook Web access, VPN & online apps are the heart of your online operation. Monitor your servers using a nunber of protocols or use HTTP or HTTPS and when they fail to re-turn a 200 OK, we notify and failover to a backup IP or CNAME.

+ FAILOVER PRIMARY ISP TO A BACKUP

Have Two ISP connections? Failover to the backup ISP connection when your primary fails Monitor your primary gateway using PING or another protocol and when it fails, we switch your selected DNS entries to the backup IP's

+ FAILOVER VPN ENDPOINTS

Monitor your VPN and other critical remote access locations and failover to a backup IP or CNAME when the primary goes down

+ FAILOVER VOIP & UC ENDPOINTS

Check the latency and uptime of your VOIP and video endpoints. Remove slow or failed hosts automatically for the utmost in uptime. Add GEO DNS and get the ability to direct users to the closest endpoint for even lower latency

+ CNAME FAILOVER OPTIONS

Can't or don't want to switch your DNS? CNAME Failover provides you with the ability to stay with your current DNS yet still benefit from monitoring & DNS Failover

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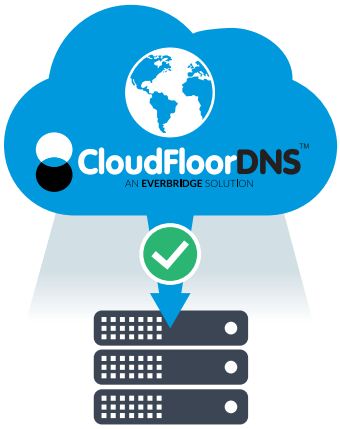
How CNAME Failover works

1 MONITOR

We monitor your server or gateway IP every minute from our global monitoring cloud, 24x7x365

Multiple locations across the globe run checks via PING or your preferred protocol such as TCP, UDP, SIP, HTTP, FTP and more



Your Server or Gateway

2 DETECTION

When 3 or more of our global monitoring points detect a failure the test of your server or gateway, we notify you and your team

Customize Notifications for multiple teams, managers can get escalation notifications on extended outages

Your Server or Gateway

3 DNS HOSTING

We supply you with a Domain Name and DNS zone. You populate the zone with A-records and CNAME records and then CNAME your zone to these records

Your Hosted CNAME Zone

NAME	PRIMARY IP	BACKUP IP
DEV	6.7.8.9	N/A
WWW	1.1.1.1	2.2.2.2
FTP	1.2.3.4	2.3.4.5
VPN	3.3.3.3	4.5.6.7

4 CNAME TO US

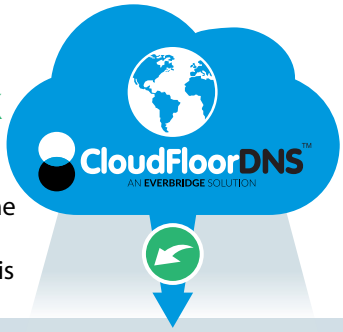
You then change the DNS records at your DNS provier to CNAME to the appropriate record on our CloudFloor DNS

Your DNS Records CNAME to our DNS

NAME		
DEV	CNAME	dev.mycloudfloor.com
WWW	CNAME	www.mycloudfloor.com
FTP	CNAME	ftp.mycloudfloor.com
VPN	CNAME	vpn.mycloudfloor.com

5 FAILOVER & BACK

When our testing cloud detects a failure, we change the records to the appropriate backup IP and notify you. Failback is optional at no extra cost



Your Hosted CNAME Zone

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VPN	3.3.3.3	4.5.6.7

CNAME FAILOVER ALLOWS YOU THE FLEXIBILITY OF FAILOVER WITHOUT MOVING YOUR DNS

+ ROCK SOLID ANYCAST DNS - You get DNS hosting on our Enterprise Anycast DNS platform with DDoS Protection

+ SECURE WEB CONTROL PANEL - Multi-user, 2-factor web-based secure control panel for DNS editing. Group Permissions

+ DOMAIN REGISTRATION & SSL - One stop shop for domain portfolio management - domain registration and transfer

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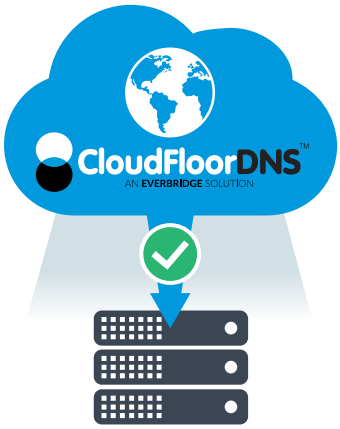
How ISP Failover works

1

MONITOR

We monitor your Primary ISP gateway or firewall IP every minute from our global monitoring cloud, 24x7x365

Multiple locations across the globe run checks via PING or your preferred protocol such as TCP, UDP, SIP, HTTP, FTP and



Your Primary ISP with SonicWall or Dual-Wan Capable Router/Firewall

2

DETECTION

When 3 or more of our global monitoring points detect a failure in the PING or testing response, we notify you and your team of the primary ISP connection being offline

Customize Notifications for multiple teams, managers can get escalation notifications

Your Primary ISP (Down or on Fire)

3

We host your DNS on our Enterprise Anycast platform and failover any DNS CNAME and A-records in your zone you desire. Select multiple records to failover

Your DNS Records

NAME	PRIMARY IP	BACKUP IP
DEV	6.7.8.9	N/A
WWW	1.1.1.1 →	2.2.2.2
FTP	1.2.3.4 →	2.3.4.5
VPN	3.3.3.3 →	4.5.6.7

4

FAILBACK

Optional: when the primary ISP connection comes back up, the platform can flip back to the primary IP's and notify your team

Your DNS Records

NAME	PRIMARY IP	BACKUP IP
DEV	6.7.8.9	N/A
WWW	1.1.1.1 ←	2.2.2.2
FTP	1.2.3.4 ←	2.3.4.5
VPN	3.3.3.3 ←	4.5.6.7

FEATURE-RICH DNS FAILOVER

+ MONITOR ALMOST ANY PORT & PROTOCOL - Monitor your datacenter or servers with a number of different protocols and custom port combinations

+ TIERED NOTIFICATIONS - Multiple notifications and profiles can be setup to notify on failure, failover and escalation

+ STACKED WITH STATS - You get access to your DNS stats as well as your monitoring stats and response times

CLOUD-BASED ANYCAST DNS

+ ROCK SOLID ANYCAST DNS - You get DNS hosting on our Enterprise Anycast DNS platform with DDoS Protection

+ SECURE WEB CONTROL PANEL - Multi-user, 2-factor web-based secure control panel for DNS editing. Group Permissions

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How Datacenter Failover works

1

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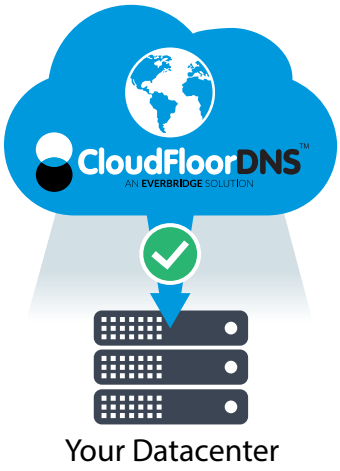


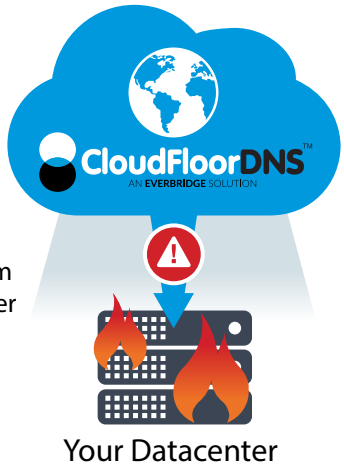
Your Datacenter

2

DETECTION

When 3 or more of our global monitoring points detect a failure in the PING response, we notify you and your team of the primary datacenter being offline

Customize Notifications for multiple teams, managers can get escalation notifications on extended outages



Your Datacenter
(Offline or on Fire)

3

We host your DNS on our Enterprise Anycast platform and failover any DNS CNAME and A-records in your zone you desire. Select multiple records to failover

Your DNS Records

NAME	PRIMARY IP	BACKUP IP
DEV	6.7.8.9	N/A
WWW	1.1.1.1 →	2.2.2.2
FTP	1.2.3.4 →	2.3.4.5
VPN	3.3.3.3 →	4.5.6.7

4

FAILBACK

Optional: when the primary Datacenter comes back up, the platform can flip back to the primary IP's and notify your team

Your DNS Records

NAME	PRIMARY IP	BACKUP IP
DEV	6.7.8.9	N/A
WWW	1.1.1.1 ←	2.2.2.2
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VPN	3.3.3.3 ←	4.5.6.7

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A PATENTED GLOBAL ANYCAST DNS PLATFORM

The CloudFloorDNS Global Monitoring & DNS network

Get insight on your server performance with our monitoring graphs. Shows latency in terms of Min/Max and Average Response times.

Drill down to individual monitoring points with our multi-graph. Shows latency from each monitoring point so you can quickly identify pain points.

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