

SOLIDserver™ DNS Cloud

Powered by Amazon Route 53 and Azure DNS

Secure DNS Infrastructure in the Internet Environment

Highlights:

- A Single console to manage in-house and Cloud DNS
- Manage Amazon's and Azure's DNS Cloud from SOLIDserver Management Platform
- Integrated with other EfficientIP security features: Hybrid DNS Engine, DNS Guardian, DNS Blast, DNS firewall, DNS Client Query Filtering (CQF)
- Powered by Amazon Route 53 and Azure DNS with 100% service availability
- IP Anycast addresses across the world
- DNS points of presence distributed worldwide

External DNS servers deliver critical services to your company, such as internet visibility for your customers, partners and employees, as well as external access to network applications and other important services such as email.

They are exposed to Internet-based attacks and because of the fundamental role they play in Information Technology infrastructure, they are the primary targets of hackers. Therefore external DNS servers must be secured strongly. Losing email service or Internet connectivity due to external DNS attacks could significantly impact your business's profitability.

The IDC 2021 Global DNS Threat Report, shows that 87% of 1114 respondents said they had been targeted by a DNS attack in the last 12 months. As a result, their business reflected the following: 46% were impacted by cloud service downtime, 30% reported loss of business, 27% suffered Brand damage and 26% had sensitive data stolen.

About 52% view DNS as a critical component of their overall cloud strategy and 45% for edge. This shows a real trend for performance and security needs for DNS infrastructures...

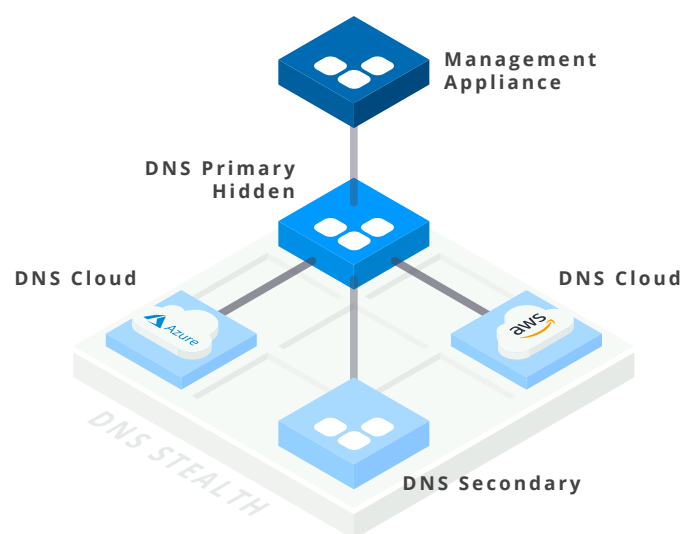
With DNS Cloud, EfficientIP offers reliable and scalable solutions for hardening your Internet DNS architecture with in-house and cloud based DNS deployment.

Do You Need 100% Availability ?

Hybrid Cloud DNS Deployment

If you need more security and the best performance for your DNS infrastructure, you should choose to deploy a Hybrid Cloud DNS Infrastructure allowing you to centrally manage your in-house DNS server and your Domain Name in the Cloud.

EfficientIP's DNS Cloud is the only solution that integrates both the Amazon Route 53 offering from Amazon Web Services and Azure DNS from Azure, providing you with the ability to manage local and cloud DNS infrastructures for public and private zones from a single management console.



DNS Cloud includes all standard Amazon Route 53 and Azure DNS features through AWS and Azure APIs. DNS admins can manage domain names from this centralized console, which will automatically propagate the configuration to your DNS servers, locally and in the cloud to ensure global uniqueness and consistency control..

The DNS Anycast addresses offer the best performance and resilience that you can expect with an Amazon Route 53 and Azure DNS service level agreement of 100%. It is scalable, simple to deploy, cost effective, flexible and very secure.

If you want at any time to revert from a cloud based deployment to a local deployment, it's just one click away. This reversibility makes hybrid cloud deployments very flexible, you can quickly make a test of a cloud infrastructure and revert to in-house in one step, you always have the choice and the ability to change your mind.

DNS Security is not a one-stop solution, to further secure DNS infrastructures. DNS Cloud can be integrated with EfficientIP's unique DNS security features:

- **Hybrid DNS Engine:** provides 2 DNS engines within a single appliance to mitigate zero-day vulnerabilities. EfficientIP's Hybrid DNS allows customers to switch in real-time from one engine to another during an attack or if maintenance is needed to apply security patches to the primary DNS Engine.
- **DNS Guardian:** spots DNS attacks with Behavioral Threat Detection, protects DNS service continuity and data with Adaptive DNS Security, thwarts malware & Advanced Persistent Threat with external and internal Threat Intelligence Services and enhances threat remediation and SOC efficiency. Using dedicated appliances for high-end performance, **DNS Blast** can absorb up to 17 million DNS queries per second. **DNS Client Query Filtering (CQF)** improves client application access control. CQF delivers network segmentation down to the individual user providing an earlier security barrier and granular filtering, enabling DNS-based client access control to vital apps and infrastructure for better application access control for a stronger security ecosystem.
- **DNS Firewall:** protects users and blocks DNS-based malware activity, prevents Infection and blocks DNS-Malware activity, adapts malware protection with threat intelligence, gets unified control of DNS filtering policies, enhances malware mitigation and remediation with infected device identification. It benefits from advanced DNS threat reporting



About Amazon Route 53 DNS Service

Amazon Route 53 is a highly available and scalable cloud Domain Name System web service. It is designed to give developers and businesses an extremely reliable and cost effective way to route end users to Internet applications.

Amazon Route 53 makes it possible for you to manage traffic globally through a variety of routing types, including Latency Based Routing, Geo DNS, and Weighted Round Robin - all of which can be combined with DNS Failover in order to enable a variety of low-latency, fault-tolerant architectures.



About Azure DNS Service

Azure DNS from Azure is a hosting service for DNS domains that provides name resolution by using Azure infrastructure alongside your apps. By hosting your domains in Azure, you can manage your DNS records by using the same credentials, APIs, tools, and billing as your other Azure services. Azure DNS provides ultra-high availability, fast DNS queries, quick updates to DNS records and supports all common DNS record types.



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As one of the world's fastest growing DDI vendors, EfficientIP helps organizations drive business efficiency through agile, secure and reliable network infrastructures. Our unified management framework for DNS-DHCP-IPAM (DDI) and network configurations ensures end-to-end visibility, consistency control and advanced automation. Additionally, our unique 360° DNS security solution protects data confidentiality and application access from anywhere at any time. Companies rely on us to help control the risks and reduce the complexity of challenges they face with modern key IT initiatives such as cloud applications, virtualization, and mobility. Institutions across a variety of industries and government sectors worldwide rely on our offerings to assure business continuity, reduce operating costs and increase the management efficiency of their network and security teams.

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