

DATASHEET

DNS Solutions for Service Providers

ROBUST, INDUSTRY-LEADING SOLUTIONS

Bypass offers the most secured and cost-effective DNS caching infrastructure solutions embedded with Regulatory Compliance and nVAS (network based value services aka Parental controls).

Maintain the higher QoE for customer web traffic with optimised software stack to deliver low-latency query responses.

Reduces the cost of ownership; Exceptional resolution performance means simpler networks with fewer servers and no need for load balancers or firewalls.

Automated HA/DR to keep service guarantees.

Offer Security and personalization services. Platform built-in parental control applications make it easy to leverage resolvers for revenue generating services for consumers, small businesses and public Wi-Fi venues.

Deter Network Abuse through fine grained policies to avoid network from DDoS, Cache Poisoning making the server available only for the operator customers.

The Industry's Most Robust and Cost-Effective Fully Managed Recursive DNS

DNS is a very critical element in the telecom service provider business and the impact on this element has a direct relation with the customer experience. The requirement of this has taken a new place of must-to-have service from a nice-to-have service.

Service providers end customers web experience is almost zero without it. Hence, DNS infrastructure needs to be as robust to ensure customers focus on their respective businesses rather figuring out ways to increase the web pages load time.

Bypass Buddy Guard is an intelligent recursive platform for service provider environments with the flexible edge deployments and available in multiple form factors including virtualized NFV options and carrier-grade appliances, Bypass RDNS solution works as the first level of defense mechanism designed to handle the legitimate web traffic of service providers. The solution is designed to handle the "Indefinite Web Storm" of future 5G and edge-based applications that require low latency and always ON connectivity with Anycast – supporting DNS query rates well past one million queries per second. Through centralized management, network operators can assess the real time metrics of the platform in a single monitoring pane. It also provides instant access to long-term charts and graphs making it simple to assess trends and plan for capacity augmentation.

Bypass Solution for Service Provider

We empower mobile operators, telcos, and ISPs to position themselves as digital leaders through revenue streams and ensure the highest customer satisfaction levels. Our leading-edge capabilities include full IPv6 support with auto-discovery, dual-stack IPv4/IPv6 operation, DNS64, DNSSEC, blacklisting (aka regulatory compliance through managed portal), and fully automated IP address management.

Network Virtualization Adoption

Bypass BuddyGuard RDNS is a software subscription add-on to the latest generation of Hyper-V. Software-Defined flexibility with hardware performance; agile to network growth. Software subscription leverages existing hardware, wherein we will perform optimisation for zero defects. Providers only need software subscription resulting in zero incremental cost for hardwares.

Built-in Protection against DNS Attacks

BuddyGuard is embedded with a security approach which combines multiple DDoS mitigation capabilities into one service. Platform understands the mechanics and is no longer presumed as a hacker magic. It prevents disruptions caused by unknown traffic, while allowing good traffic through, ensuring no service degradations and outages due to these attacks.

Platform is designed to alert in an event of volumetric traffic attack or unexpected DNS traffic spikes generated by misconfigured devices, or network outages.

nVAS - Network based value added services

BuddyGuard comes with a parental control plugin which can be bundled with the existing plans to give flexibility to the end customer to choose the content which he/she feels fit in their office or home network.

It also supports in creating revenue stream of an additional ARPU (average revenue per user) by offering this value added service (Operator locked service) to residential, educational, or corporate subscribers on a software-as-a-service (SaaS) basis

Regulatory Compliance

BuddyGuard has the capability to centrally block the proliferation of offensive content as directed by competent authorities.

This comes with the managed portal to add/delete domains/URL, export data.

Designed, developed, and architected to surpass law enforcement

Contact us hello@bypass.net.nz

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