

## Demand for consistent external DNS resolution

External DNS is essential for businesses that offer secure public services over the internet. It enables the resolution of public domain names to IP addresses, ensuring that clients can access public resources with ease.

However, some organizations lack a reliable external DNS provider or depend on a single provider for public services. This can present a significant risk to their reputation and revenue in the event of a public resolution failure.

To resolve the issue of unreliable external DNS resolution, BlueCat Cloud DNS Service provides a reliable and fault-tolerant solution that can be used on its own or in combination with existing service providers or self-hosted external DNS servers. BlueCat Cloud DNS Service ensures that external DNS is always resolvable, providing a dependable solution for organizations.

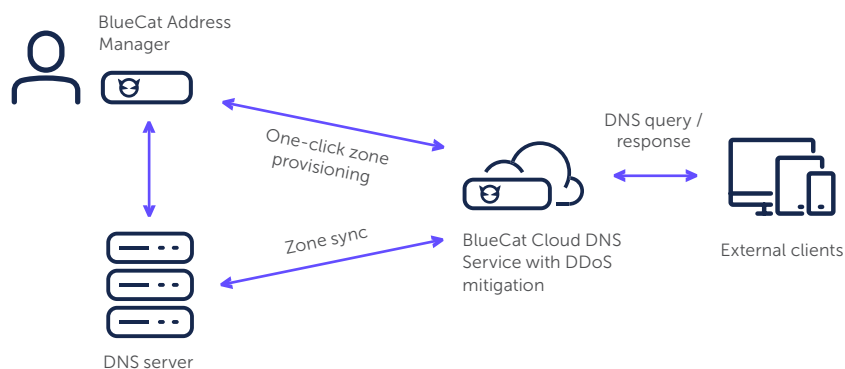
## The solution: BlueCat Cloud DNS Service

BlueCat Cloud DNS Service offers a solution for centrally managing external DNS seamlessly with BlueCat Address Manager. It provides network admins with a reliable, low-latency, and distributed denial-of-service (DDoS) attack-resilient Anycast network to host public zones and allow access for external clients.

By using Address Manager and Cloud DNS Service, you can easily provision public DNS zones with a single click. Even better, you can manage public zones effortlessly by adding, removing, and updating all zones from a single source of truth. This centralized approach not only saves time and effort but also ensures accurate and consistent management of all public zones.

## Benefits

- **Simplified management**  
Leverage an integrated and centralized DDI management platform to provision or update public DNS zones via API or a single click.
- **Advanced security**  
With easy-to-use DNSSEC, the integrity of your DNS responses are secured against DNS spoofing and cache poisoning.
- **Improved performance**  
Lower DNS response time across the globe and increase resiliency with an Anycast-enabled network backed by 285 points of presence in over 100 countries.
- **High availability**  
With out-of-the-box DDoS mitigation, your DNS responses are always guaranteed and you can increase the availability of your critical apps and services at no additional cost.



# Features



## Centralized control panel

With a single control panel in Address Manager, manage internal and external DNS zones for dynamic updates.



## One-click zone deployment

Deploy updates or create new public zones for DNS resolution with a single click right from Address Manager or via RESTful API.



## DDoS mitigation

Ensure 100% service uptime when under DDoS attacks with mitigation techniques that allow for static and dynamic rules applied immediately upon detection.



## Secure DNS resolution using DNSSEC

Seamlessly automate the zone signing process with DNSSEC to authenticate origin and integrity of response.



## Authenticated and secure updates to Cloud DNS

Use TSIG for secure communication between primary and secondary DNS servers.

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## Next steps

Get in touch with a BlueCat representative to future-proof your network.

[Contact us](#)