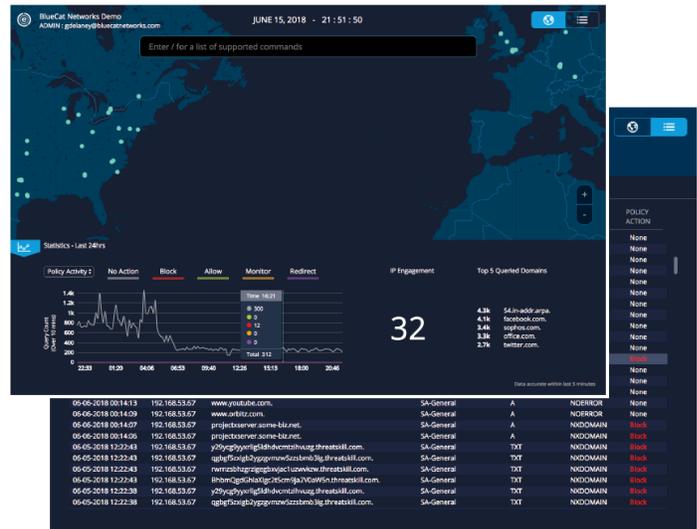


# Make DNS Your First Line of Defense

BlueCat DNS Edge™ adds a much-needed layer of visibility, control and detection for corporate networks under siege from an explosion of malware attacks that exploit DNS. Industry research finds 91% of malware uses the DNS protocol for command and control (C2), data exfiltration, and to deliver malicious payloads onto your network, undetected.

## The Solution - BlueCat DNS Edge

BlueCat DNS Edge gives cybersecurity and network teams shared visibility and control over internal and external DNS traffic. Through a single platform, mitigate and eliminate the ways attackers can exploit DNS, detect and block cyberattacks, and investigate incidents uncovering lateral movement and identifying patient zero. With Edge, teams can simplify DNS operations, tighten security, and improve network performance in ways traditional DNS solutions alone cannot achieve.



## Benefits

**Reduce attack surface** - Eliminate DNS as a threat vector against your network by setting policies with Edge to limit access to sensitive data and lock down critical systems such as point-of-sale terminals and IoT devices.

**Optimize traffic and reduce opex** - Gain greater flexibility and control the DNS resolution path. Optimize network traffic, reducing costs and complexity.

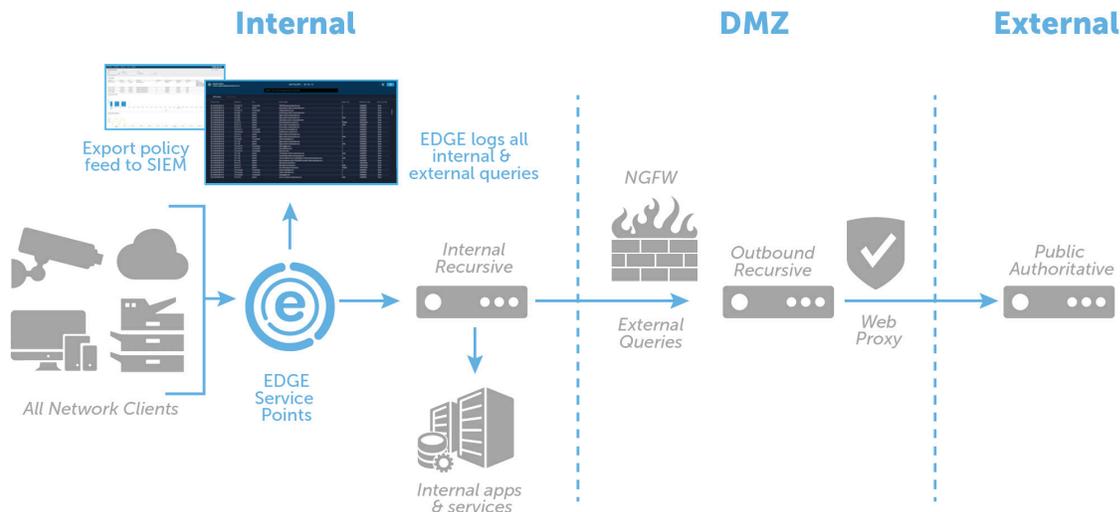
**Meet compliance requirements** - Easily set policy to meet corporate compliance standards as well as security and regulatory requirements.

**Detect malicious behavior in DNS queries** - Detect and stop data exfiltration via tunneling, beaconing to C2 servers, or evasive techniques like domain generating algorithms (DGA) through Edge's smart analytics.

**Reduce breach remediation time** - Uncover the lateral spread of an infection and root out patient zero in a cyberattack. Edge makes it easy to pinpoint the origination point and review surrounding internal and external DNS activity to reduce the time to resolution in an incident.

## Unprecedented Visibility & Control

Unlike network firewalls, DNS firewalls, web proxies and other tools, Edge sits at the first DNS hop. This allows Edge to detect, mitigate and eliminate malware exploiting DNS by collecting both internal and external DNS data and applying policy control close to the originating clients and between internal apps and services.



**Agentless Deployment** - BlueCat DNS Edge provides visibility, protection, and control to any device that leverages DNS without the need to deploy and manage an agent on those devices.

**Zero-Touch Deployment** - Without changes to existing DNS infrastructure, BlueCat DNS Edge collects DNS queries and responses through virtual service points residing at the first hop. Deploy unlimited service points at no cost.

**Operational Simplicity** - Ingest 3rd-party threat intelligence to block known-bad domains. Integrate with leading SIEMs or Splunk to correlate DNS data with other security data.

**Scalability & Availability** - Built on proven, enterprise cloud infrastructure that dynamically scales to meet any collection, storage, and processing requirement without interruption and allows for local high availability as well as geographic failover.

**Deeper Visibility** - Log every internal and external DNS query and response from every client type, providing investigative context — with no agent required.

**Better Control** - Apply policies to control access for every client, block threats and protect sensitive data and critical systems. Control the DNS resolution path for network optimization.

**Greater Detection** - Leverage smart analytics of every DNS query from every client to identify malicious behavior and evasive techniques using DNS.

**Threat Protection** - BlueCat Threat Protection integrated security intelligence helps cybersecurity teams rapidly identify and stop threats before they can reach business-critical applications or data. DNS is enriched with crowdsourced data and backed by an elite group of threat analysts and security researchers.

**About BlueCat** - BlueCat is the Adaptive DNS™ company. We work with some of the largest organizations in the world to help extend, automate and secure their complex networks.

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### Next Steps

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

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