BlueCat DNS Edge™ is a new approach to enterprise security that utilizes the pervasive nature of your DNS infrastructure to gain enterprise-wide visibility into the actions of every device on your network – from the center to the edge. Managed in the cloud, BlueCat DNS Edge is a Software as a Service (SaaS) solution that uniquely leverages DNS data to identify and assess threats, and proactively works to block them before they can reach business-critical applications or data. BlueCat DNS Edge is the first DNS security solution with the flexibility to deploy wherever businesses need it – on premise or in cloud.

This powerful solution uses the pervasive nature of DNS infrastructures to gain enterprise-wide visibility into the actions of every device on a network, including non-traditional devices such as wireless security cameras, point of sale systems, ATMs and IoT devices. Deployed inside the network, DNS Edge can identify suspicious internal behavior and patterns, regardless of whether the device is communicating inside or outside the network.

**Identify**

The most severe data breaches are often driven by internal devices accessing protected information. Deployed inside the network, DNS Edge can identify suspicious internal behavior and patterns, regardless of whether the device is communicating inside or outside the network.

**Assess**

DNS Edge consumes threat intelligence feeds from well-respected sources, delivering that content to Service Points to inform policies for DNS clients. Each DNS Edge Service Point maintains a cache of this information that can be used to quickly determine an appropriate action when a client attempts to access a matching resource.

**Act**

BlueCat DNS Edge blocks threats without requiring action on your part. The output of these actions allow you to publish role-based policies so people can accomplish objectives while minimizing risk.
A unique & powerful security solution

BlueCat DNS Edge’s simple, cloud-managed deployment model leverages existing DNS infrastructure. It allows organizations to deploy, at will, with no impact to existing infrastructure while driving resilience and reducing latency. It’s built on enterprise cloud infrastructure that can dynamically scale to meet any collection, storage, or processing requirements. Whether the increase in resource requirements is due to a known event, such as seasonal activity, or an unknown event, such as an attack against the enterprise’s infrastructure, DNS Edge dynamically scales to handle the workload.

Agentless Deployment
BlueCat DNS Edge provides visibility, protection, and control to any device that leverages DNS without the need to deploy any agent or client on those devices. This is particularly important when dealing with computing devices such as wireless security cameras, point-of-sale systems, ATMs, or other IoT technologies, which are difficult to manage with traditional capabilities and have been used extensively in recent months to launch attacks against IT infrastructures and services.

Operational Simplicity
BlueCat DNS Edge is built to integrate with existing tools and processes so that it doesn’t require extensive training or re-architecting your current security practices. Key event information can be sent to an existing SIEM solution or other system via simple API-based integration. All data gathered by the solution is available for use at any time in systems such as behavioral analytics platforms, data correlation platforms, or any other system that can benefit from access to this information.

Scalability & Availability
BlueCat DNS Edge, which has been built on proven, enterprise cloud infrastructure, dynamically scales to meet any collection, storage, and processing requirement without interruption. Whether a change in resource needs is because of a known event (such as seasonal activity) or whether it’s due to an attack against your infrastructure, the BlueCat DNS Edge platform will dynamically scale itself to handle the workload. At the same time, the underlying cloud infrastructure allows for local high availability as well as geographic failover to ensure availability during local or regional disasters.

Zero-Touch Deployment
BlueCat DNS Edge collects DNS data through a small virtual gateway that serves as a proxy between the DNS client and the existing DNS infrastructure. These DNS Edge Service Points gather the appropriate DNS data without requiring changes to the underlying DNS infrastructure.