1. Users access the web and IaaS and SaaS applications through the Akamai Intelligent Edge Platform.

2. Akamai’s recursive DNS infrastructure at the edge provides visibility into all Internet-bound DNS requests.

3. Cloud security intelligence evaluates the requests using the latest machine learning threat intelligence techniques and Akamai’s vast visibility into global DNS and web traffic.

4. If the request is deemed suspicious by Akamai’s cloud security intelligence, it is further analyzed by inspecting HTTP/S requests using proxy infrastructure at the edge.

5. Suspicious responses and their associated payloads are further analyzed inline using multiple signature and signatureless malware detection engines.

6. Based on evaluation by Akamai’s cloud security intelligence and inline inspection and analysis, enterprises can enforce users’ access requests using alert, block, and monitor actions.

DIRECT INTERNET ACCESS SECURITY

Reference Architecture

EDGE PLATFORM

Manage

Recursive DNS
HTTP/S Proxy
Inline Payload Analysis

Cloud Security Intelligence

Branch
Client

Web
Attacker
IaaS App X
SaaS App Y

OVERVIEW

Akamai can help you adopt and secure Direct Internet Access at the branch without compromising performance or sacrificing centralized visibility and control.

KEY PRODUCT

Threat protection ➤ Enterprise Threat Protector