Private Access IoT

Private IoT network service for MNOs

With no cost-effective and on-demand way to establish a secure Internet of Things (IoT) network, enterprises are forced to use public internet networks. This creates an unnecessary exposure to security threats. Akamai Private Access services make it easier to secure IoT networks with self-serve private connectivity on demand.

Overview

Private Access IoT is a self-managed connectivity service that allows companies to securely connect, manage, and control communications between devices at the IoT edge and application services in the cloud and/or on-premises. Private Access IoT creates a secure and managed private network that is isolated from the public internet. The built-in provisioning and automation features reduce the time to develop and deploy IoT projects at scale.

Business challenge

IoT cellular connectivity has evolved from point-to-point communications into complex ecosystems composed of multiple devices and services. However, IoT deployment security hasn't kept up with the pace of innovation in solutions, leaving millions of devices compromised on public networks connected to the internet.

Enterprise features and benefits

Private Access IoT provides an enterprise-grade connection that bypasses the public internet, helping to reduce the end customer's exposure to potential cyberthreats. Private Access IoT enables end customers to provision in real time their unique secure network requirements, enabling faster and secure rollout of IoT.

Seamless cloud connectivity: Minimize the software required on the IoT edge, enabling the faster rollout of IoT edge applications.

Enterprise grade solution: Deliver all the benefits of a tier 1 private APN, without the complexity of planning, building, and managing one. Within minutes, enterprises can securely connect their IoT devices to cloud platforms and/or on-premises servers.

BENEFITS TO YOUR BUSINESS

Efficiency: Flexible and robust solution that can be deployed with a reduced development effort and delivers operational efficiencies to IoT projects

Simplicity: No need for customers to plan, build, and maintain their own APN

Cost-efficient solution: No upfront costs and the solution starts delivering benefits to the customer from day one

Quicker time to market: Automated provisioning reduces time for customers to develop and deploy IoT projects at scale

Secure networking: Authorize devices and traffic profiles permitted in the network with real-time security policies and the ability to block unwanted traffic. Network-based security policies minimize the risk of cyberattacks from day one.

Insights and reports: Control costs through powerful insights and reports. Create usage and anomaly alerting to prevent outages and overages. Full visibility of data usage patterns, with automated alerts, notifications, and cut-off policies.

Scale on demand: Private Access IoT provides a scaled pool of private static IP addresses making it easy to add new devices on demand. Customers have the flexibility to route traffic as their needs evolve without impacting their operations.

Akamai services are designed to help MSPs and MNOs move beyond performance and availability and differentiate based on security. Private Access IoT is a solution that makes secure cellular connectivity for IoT simple. It makes it possible for providers to deliver secure IoT solutions to customers faster, with reduced development effort. For the customer, Private Access IoT brings operational efficiencies and lowers the total cost of ownership of IoT projects.

To learn more about Private Access IoT for MNOs, visit akamai.com.