

## AKAMAI SOLUTION BRIEF

# Secure Termination for Cellular Traffic Using IPsec Tunnels

In order to provide remote access to the enterprise private network, IT teams would traditionally install a client on each individual device and then assign a unique set of digital credentials and incur the additional cost of a credential lifecycle management solution. For large-scale IoT deployments, this approach is less than optimal and results in multiple siloed solutions on which to manage connectivity and security, creating potential security gaps within the enterprise.

## Simplifying secure access

Akamai securely connects mobile devices to a private mobile network, from which traffic can be routed and aggregated through a secure IPsec tunnel that can be terminated in both the corporate network and/or in the cloud.

Akamai's site-to-site IPsec reduces IT admin complexity by eliminating the need to install a VPN client per device and the need for unique credentials per enterprise mobile or IoT device.

## How are devices protected?

Akamai's private network IPsec termination offers the highest level of security, availability, reliability, and redundancy.

### The true end-to-end private network supports:

- Device authentication into a dedicated private mobile network using RADIUS
- Private static IP address assignment for mobile devices
- Route-based IPsec for ease of managing traffic destined for an IPsec tunnel
- Security policies to regulate traffic in the end-to-end network
- Industry-standard compatible IPsec, including protocols such as IKEv2, technology components for authentication such as SHA, and encryption such as AES-256bit
- Visibility and policy management for all device traffic

## Benefits

### Simplify Connectivity

Re-use existing security infrastructure and simplify secure access for mobile and IoT fleets

### Streamline Device Management

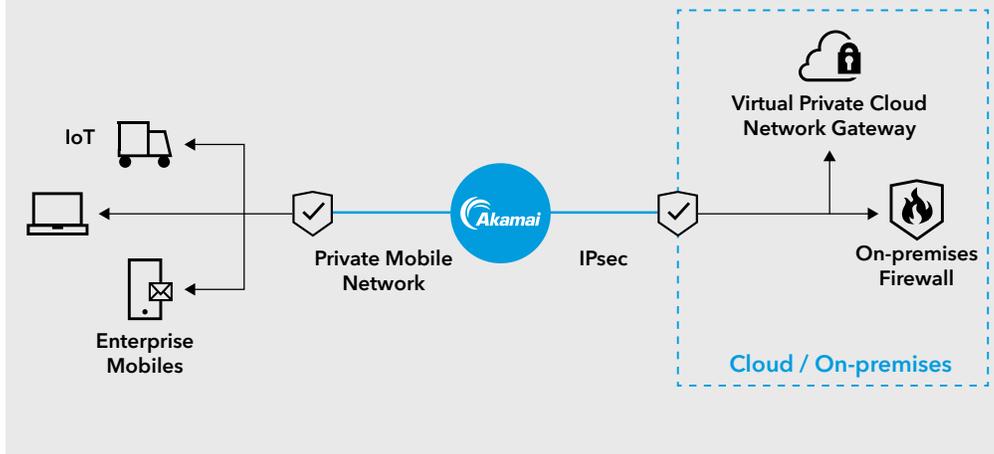
Manage secure connectivity from anywhere, with real-time policy settings and alerts

### Reduce Total Cost of Ownership

Reduce capital and operational expenses over the lifetime of the deployment, and scale without additional connectivity management costs



# Cellular Devices



Akamai's private mobile network service is unique, as it requires no additional software on the mobile device. Furthermore, IT admins get complete visibility and control of all mobile traffic, which includes traffic requests not destined for the IPsec tunnel.

## Key Features

### High Availability

Multi-site failover, including dead peer detection; support for high availability of multi-cloud and on-premises termination

### Static Private IP Addresses

A self-defined, scalable pool of private IP addresses that are unreachable from the public internet, at no extra cost

### Visibility and Control

Visibility of all data that mobile devices send, enhancing security while lowering mobile expenditure

### No Software on the Mobile Device

With no software to install on the device and integrations with leading MDM/EMM solutions, IT admins can efficiently and effortlessly roll out and manage the service on the entire enterprise mobile fleet

To learn more click [here](#), or contact your Akamai representative.