Allot DNS Secure

The Challenge

SMB and consumer mass markets require protection from malware and phishing attacks more than ever due to changing patterns like working from home and across shared and non-protected devices.

Service providers tried to address the issue with client-based security, but they struggled to achieve high adoption rates with such offerings.

The Solution

DNS Secure is a security solution designed for CSPs looking to deploy a network-based security solution for the consumer and SMB markets. Based on a client-less, network-based approach, DNS Secure provides zero-touch activation threat protection from a variety of malware and phishing attacks as well as content and parental controls for the consumer and SMB markets.

DNS Secure is part of the Allot Secure family of solutions providing the full spectrum of security services from basic security to more advanced solutions. All members of the Allot Secure portfolio enjoy a unified management platform to provide holistic user- centric cybersecurity protection.

DNS Secure can be deployed in fixed broadband or mobile networks as a standalone solution or together with additional Allot Secure solutions such as HomeSecure and EndpointSecure, to deliver a comprehensive, end-to-end advanced security package which includes IoT device protection, CPE hardening and off-net security, moving towards a premium 360º security solution.

Benefits

- Increase Revenues
  - Drive additional revenue by offering a portfolio of cybersecurity services to your customers
  - Achieve high adoption rates. Allot network-based security solutions have consistently reached high adoption rates of 30-50%
  - 3-5% estimated ARPU increase
- Increase Brand Loyalty
  - Increase NPS to more than 30%
  - Churn reduction

- Differentiate with Security Offering
  Provide consistent - long term differentiation to CSPs as the network is a CSP asset
- Regulatory Compliance
- Telco Grade Carrier Solution and Proven Technology
  DNS Secure is a telco carrier grade solution, which includes both Allot and PowerDNS technologies. PowerDNS solutions are deployed globally with major Tier-1 customers. Allot is a leader in network-based security for mobile consumers with more than 22 million protected customers and worldwide deployments in Tier 1 CSPs
- 360° protection (mobile, business and off-net)
  DNS Secure is part of the Allot Secure family of products providing the full spectrum of security services from basic security to more advanced solutions and all of it under a single unified management interface

allot See. Control. Secure.

Allot Secure | SECaaS
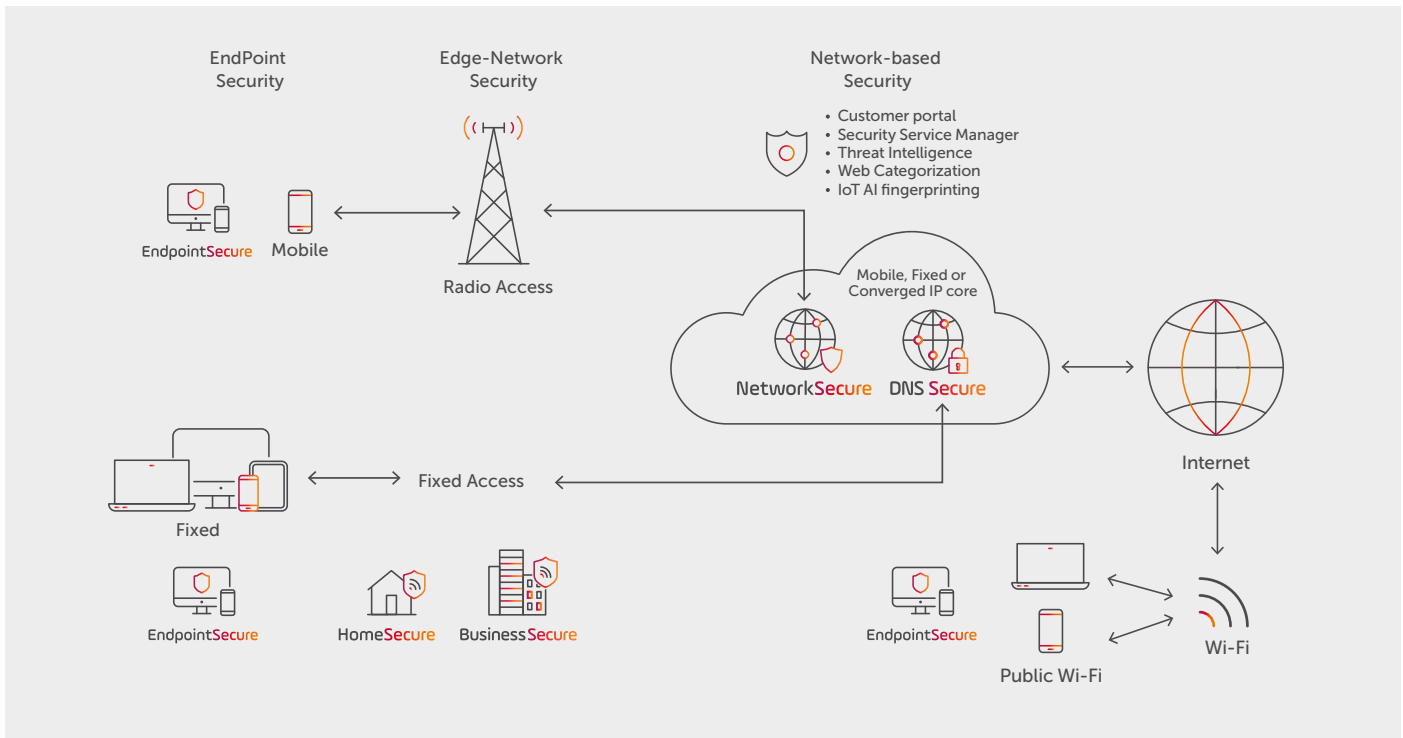
o **Threat Protection**
Most advanced threat database for anti-malware, anti-phishing, anti-bot, and adware protection. URL-based threats and anti-virus real time scanning are covered for selected traffic sent for additional inspection to DNS Secure proxy.

o **Parental Control Functions**
Multiple categories available to manage and monitor web browsing and application usage.
Parental Control filtering includes:
- Category-based filtering
- Allowed/Blocked lists
- Quiet Time
- Schedule-based filtering
- Safe search

o **Effortless/Zero-touch Onboarding**
Seamless deployment, zero-touch, clientless activation

o **Scalability and High Performance**

o **Multitenancy Capabilities**
Threats, categories and reports per subscriber
- End-user interface which allows each subscriber:
  - Configuration of content filtering policies, block and white lists, quiet time, schedules and safe search

- On/Off for threat protection (malware, phishing, etc.)
- End-user reporting interface including:
  - Total number of inspected requests
  - Total number of blocked requests
  - Total blocked domains
  - Total blocked categories
  - Top detected threats

o **DNS Secure Proxy for Advanced Filtering**
- Selected traffic is redirected from the DNS filtering solution to the proxy
- Traffic selection based on specific criteria
  - Only traffic not blocked at DNS level is eligible to be steered
  - Entries in the DB (or any other alternative mechanism) which might imply that it is http traffic
  - List of top domains
- Proxy filtering adds value for http traffic
  - Full URL-based content filtering and threat protection
  - AV inspection
  - Auto-notices - icon insertion and additional options
- Proxy handles both http and https traffic