**FORTINET** | **NANDI SECURITY**

# Fortinet and Nandi Security Smart Home Security

Enabling broadband service providers to deliver industry-leading cybersecurity and online privacy

## Executive Summary

Fortinet and Nandi Security have partnered by integrating Nandi Security's Kavalan whole home cybersecurity and privacy protection with FortiGate Next-Generation Firewalls (NGFWs) to enable broadband service providers (BSPs) to deliver enterprise-quality cyberthreat protection and online privacy to smart homes, schools, co-working spaces, and connected farms both inside and outside their coverage area.

## The Challenge

Today's average American home has over 20 connected devices, and the average person has over 40 apps. As the internet-connected footprint of the modern smart home continues to grow, so have the number of cyberthreats that target the devices and the privacy threats that target people's sensitive information. As subscribers demand more robust protection, delivering whole home, opt-in-based cybersecurity, and privacy protection requires broadband service providers to install expensive router-based solutions that require heavy CapEx investment as well as a van drive to install, not to mention that such solutions fall out of scope when subscribers choose to use their own routers.

## Joint Solution

Nandi Security and Fortinet have partnered by integrating Kavalan from Nandi Security with FortiGate NGFWs to enable BSPs to deliver enterprise-quality cybersecurity and online privacy protection to their subscribers for a cleaner, safer internet experience. The integration, enabled through the Fabric-Ready Program in the Fortinet Open Ecosystem, delivers broadband subscribers with whole home cybersecurity and online privacy protection across every device, app, and online service used in the home. BSPs can compete better in their markets by offering joint solutions to home users, schools, co-working spaces, small businesses, and connected farms inside and outside their coverage area. In addition to enjoying advanced cyberthreat protection, Kavalan Standard subscribers can customize their internet experiences with robust content filtering and blocking of curated social media and streaming apps across their entire home.

### Solution Components

Kavalan Intelligent Digital Safety from Nandi Security enables whole home cybersecurity and online privacy protection. The Fortinet integration can be enabled for both Kavalan Light and Kavalan Standard versions of the product, giving broadband service providers the flexibility to monetize smart home protection at different price points or customer segments.

### Solution Components

- Fortinet FortiGate NGFW
- Nandi Security Kavalan Intelligent Digital Safety

### Solution Benefits

- Enables BSPs to add a new cybersecurity and online privacy revenue stream in minutes
- Enroll and deploy subscribers from the office, no manual hands-on install needed
- Hold off competition by enrolling customers inside and outside fiber coverage
- Protect subscriber smart homes by delivering a cleaner, safer internet experience
- Standardize subscriber experience across fiber, cable modem, DSL, and WISP subscribers in an opt-in-based model
- Leverage the unparalleled security protection provided by the Fortinet Security Fabric

**FORTINET FABRIC-READY**
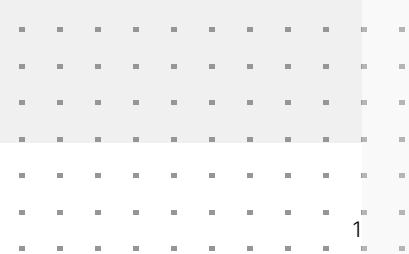
Fortinet FortiGate NGFWs deliver industry-leading enterprise security for any edge at any scale with complete visibility and threat protection. Organizations can weave security deep into the hybrid IT architecture and build secure networks to deliver ultra-fast security end to end, enabling consistent real-time defense with AI/ML-powered FortiGuard Services.

### Solution Integration

Kavalan front-ends all DNS requests from homes that are opted in for the service. Kavalan intercepts and blocks all known privacy threats and violations and any domains the broadband subscriber has chosen to block for their home. Kavalan leverages the industry-leading threat-blocking capabilities of FortiGate NGFWs to block known malicious domains. Every Kavalan subscriber can view a personalized, rolling 24-hour dashboard of all activity and threats blocked in their homes. Kavalan leverages Fortinet APIs to report the kinds and details of threats blocked to the broadband subscriber.
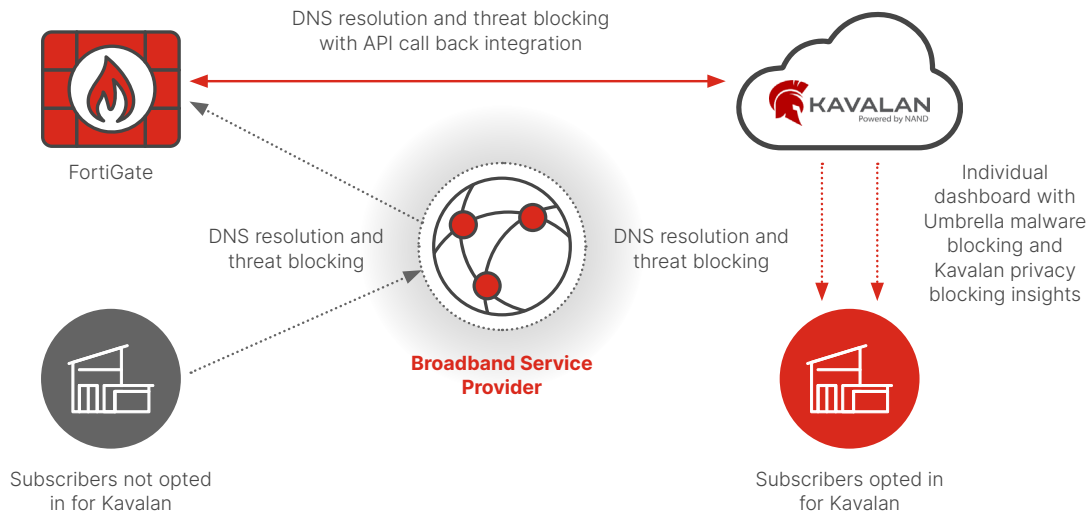
Smart home cyberthreat protection with FortiGate NGFW and Kavalan

## Use Cases

- **Use Case #1: Smart home protection**
  Kavalan leverages the enterprise-quality cyberthreat protection capabilities of FortiGate NGFWs to block malware, botnet, phishing, ransomware, and other known malicious domains at the DNS level. Kavalan automatically identifies and blocks privacy threats across devices, apps, and online services, and a personalized dashboard showing blocked threats and privacy insights enables users to make informed choices.

- **Use Case #2: Cybersecurity and content filtering for business**
  The integration enables broadband service providers to allow small businesses to protect their company's or guest network and ensure access to adult content, social media, or streaming content is not enabled on their company network.

- **Use Case #3: Cleaner, safer internet for schools**
  BSPs can leverage their existing Fortinet investments to offer a cleaner, safer internet for schools that includes adult content blocking as well as blocking of social media, streaming, and gaming apps on the school network.

**About Nandi Security, Inc:** Nandi Security is the maker of Kavalan, an intelligent digital safety product that protects smart homes from cyberthreats and privacy violations across every device, app, and online service. Nandi Security empowers BSPs to add a new cybersecurity revenue stream with zero CapEx and empowers BSPs to acquire customers inside and outside their coverage area.

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