

Palo Alto Networks and Cradlepoint

Maximize business agility with SASE and enterprise wireless WAN

Benefits of the Integration

- The simplicity of extending SASE to the wireless WAN edge for deployments in fixed locations, vehicles, and IoT.
- Fast deployment of distributed networks with enterprise-class connectivity, including LTE/5G.
- Integrated advanced threat prevention, web filtering, DNS security, DLP, and next-generation firewall as a service (FWaaS).
- App-defined, autonomous, and cloud-delivered SD-WAN capabilities.

Introduction

Operational continuity is essential when rapidly deploying secure, high-performance networks across multiple locations. As organizations migrate more of their applications and services to the cloud and support distributed workforces, IT/OT decision-makers face a new set of challenges:

- The security landscape has changed due to the rise of the distributed workforce and the expansion of the network edge, making organizations more vulnerable to new attack vectors which makes it impossible to rely on traditional wired networks
- IT staff are stretched thin and have to build secure networks at a lower cost.
- Businesses are demanding more agility as they support an at-home workforce, open temporary locations, and rely more on IoT.

As a result, there is a new set of requirements for your security and network infrastructure. By combining for a powerful SASE solution with cloud-managed wireless WAN capabilities, organizations can deliver an exceptional end user experience and connect and secure your branches with cloud speed and scale.

Cradlepoint

The Cradlepoint NetCloud™ Service enables enterprises to rapidly deploy and manage wireless WAN edge solutions at scale. NetCloud Service is delivered through cloud-managed LTE and 5G endpoints managed from a single pane of glass, delivering insights and analytics, alerts and monitoring, troubleshooting, over-the-air software updates, and flexible integration, with a rich set of extensibility features and services. Cradlepoint supports enterprise wireless WAN use cases, including small-to-mid-sized stores and offices, vehicle fleets, and IoT.

Palo Alto Networks

With more and more users, branch offices, data, and services located outside the perimeter, organizations need a cloud-

based infrastructure that converges networking and network security capabilities. Palo Alto Networks Prisma® Access, combined with Palo Alto Networks Prisma SD-WAN, is the industry's leading secure access service edge (SASE) solution.

Prisma Access provides consistent security services and access to cloud applications (including public cloud, private cloud, and SaaS applications), delivered through a common framework for a seamless user experience. All users, whether at corporate headquarters, branch offices, retail locations, or on the road, connect to Prisma Access to safely use cloud, data center applications, and the internet. Palo Alto Networks Prisma SD-WAN provides a simple and cost-effective approach to enabling the cloud-delivered branch by offering the industry's first next-generation SD-WAN solution that is app-defined, autonomous, and cloud-delivered.

Palo Alto Networks and Cradlepoint

Cradlepoint and Palo Alto Networks have joined forces, combining best-in-class cloud-managed wireless WAN connectivity with the industry's most comprehensive SASE solution for a diverse set of industries and use cases, including healthcare, public safety, and retail.

The combined solution for branch networks delivers rapid deployment, high availability, and secure cloud access scalable across thousands of sites. For mobile networks, such as pop-up and in-vehicle networks, it provides instant and non-stop wireless connectivity while extending enterprise-level security. High-value IoT devices, such as surveillance cameras, kiosks, and digital signage, can now benefit from SASE protection with complete management and control.

Cradlepoint's NetCloud Service provides management of the wireless WAN edge and extends the security and network management capabilities of Prisma Access and Prisma SD-WAN to wireless devices. The integration between Cradlepoint's NetCloud Manager and Palo Alto Networks Panorama enables the creation of secure IPsec tunnels from the WAN edge to Prisma Access. In addition, Cradlepoint Wireless WAN provides flexible deployment options for Prisma SD-WAN deployments that need LTE/5G as a primary transport or an alternative path for MPLS or broadband with wireless WAN for failover (see figure 1).

Use Case 1: Fixed and Temporary Locations

Challenge

Retail stores and healthcare don't have an easy way to isolate sensitive data from mobile, handheld, or POS devices and apply access control policies to employees. Operational technology (OT) teams need to ensure business continuity and optimize operational efficiency.

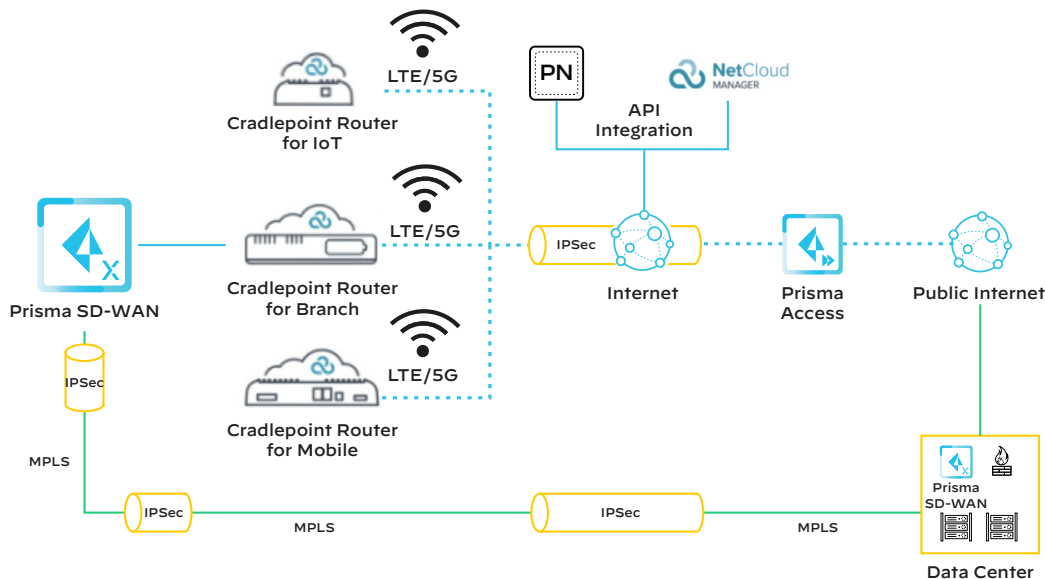


Figure 1: Combined SASE with Wireless WAN for the Enterprise Network

Solution

Cradlepoint’s NetCloud Service enables rapid deployment of networks using cellular connectivity and the ability to isolate operational and customer traffic in shared retail spaces. Palo Alto Networks Prisma Access provides an additional layer of segmentation to maintain compliance by separating traffic. Organizations can now quickly open new or temporary locations without compromising security and while maintaining compliance. Palo Alto Networks Prisma SD-WAN and Cradlepoint provide alternative pathing for SD-WAN deployments with wireless WAN as a primary transport or failover for MPLS/broadband. This enables OT teams to optimize deployments and ensure business continuity.

Use Case 2: Teleworkers and Remote Access

Challenge

Organizations that have migrated workforces and/or students to virtual environments are struggling to establish and maintain reliable connectivity anywhere with enterprise-class security.

Solution

Cradlepoint’s NetCloud Service enables organizations to deploy enterprise-grade connectivity to remotely distributed employees and students. Traffic is secured with consistent policy enforcement when coupled with Palo Alto Networks SASE solution. The integration between Cradlepoint’s NetCloud Manager and Palo Alto Networks Panorama enables the creation of IPsec tunnels from the WAN edge to Prisma Access. This enables advanced threat management, such as web filtering, DNS security, DLP, and next-generation firewall as a service, at scale to distributed endpoints.

Use Case 3: First Responders and In-Vehicle

Challenge

First responders and other public safety agencies struggle to reliably and securely connect to mobile command centers, headquarters, hospitals, or remote sites for mission-critical communications in demanding situations. Typically, disparate systems are deployed, resulting in complexity, an increased total cost of ownership, and a compromise in performance and security.

Solution

Cradlepoint’s NetCloud Service delivers mission-critical connectivity through Gigabit LTE and enables public safety agencies to deliver mission-critical connectivity that keeps frontline responders safe and productive. Paired with Palo Alto Networks Prisma Access, emergency vehicles maintain the same high level of cybersecurity protection afforded assets that reside on-premises.

About Cradlepoint

Cradlepoint is a global leader in cloud-delivered LTE/5G wireless network edge solutions. Cradlepoint’s NetCloud™ platform and cellular routers deliver a pervasive, secure, and software-defined **wireless WAN** edge to connect people, places, and things. For more information, visit www.cradlepoint.com

About Palo Alto Networks

Palo Alto Networks, the global cybersecurity leader, is shaping the cloud-centric future with technology that is transforming the way people and organizations operate. Our mission is to be the cybersecurity partner of choice, protecting our digital way of life. For more information, visit www.paloaltonetworks.com.



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