

KonnectHub

Multi-Path VPN Architecture

Simplify enterprise network and WAN connectivity with hub-and-spoke architecture powered by Multi-Path Kognitive VPN technology. This architecture enables organizations to connect multiple sites to a central Hub, facilitating efficient routing, resource sharing, and inter-site connectivity. The Hub also acts as a secure egress point for network traffic, functioning as a versatile Point of Presence (PoP) and supporting multi-WAN configurations with integrated services such as content filtering and traffic management.



Secure Traffic Control

The KonnectHub acts as a secure gateway for all network traffic, using E2E TLS encryption on data transfers. Integrated firewall and IPS are standard, and dedicated security infrastructure at the Hub site can also be leveraged to protect devices across the organization.

MPK VPN Integration

Multi-Path Kognitive VPN enables multi-link bonding and balancing for WAN link aggregation. An additional benefit for remote sites with intermittence, MPK uses a Performance Enhancing Proxy (PEP) to optimize TCP on latent and lossy links, ensuring high performance and improved QoS.

Advanced Threat Protection

The centralized nature of the hub allows for continuous monitoring and the application of advanced security measures, with a built-in Intrusion and Prevention System (IPS) actively protecting the entire network from cyber threats.

Global Orchestration

Regional PoPs for Performance Optimization

Strategically placed PoPs around the world help bypass regional content restrictions and optimize latency, providing users with faster access to services like streaming and cloud-based applications.

Enterprise Mesh, Global Access

Flexible architecture enables seamless traffic routing through hubs, ensuring compliant and reliable access across regions. Remote sites connect to corporate clouds using multiple wireless or hardline links, delivering cost-effective, secure, and high-performance connectivity tailored to multinational operations.

Scalable Cloud Management

Integrating cloud resources at edge nodes and connecting them through centralized hubs enables a flexible, cloud-centric approach to data and service management, facilitating easier scalability and global expansion.

Centralized connectivity and security come together seamlessly with Kognitive Networks' robust and flexible architecture. Reach out to sales@kognitive.net to learn how the Kognitive's Hub and Spoke architecture enhances network traffic management, streamlines resources access, and provides comprehensive security, from local edge devices to global PoPs.