



iQuila Enterprise

The World's only Layer 2 virtual extended network.

iQuila is the future of networking, combining speed, security, availability, and resilience. iQuila Enterprise combines features such as Always-On adjacent node connectivity, bandwidth priority scaling, clustering, load-balancing and hot failover. iQuila Enterprise takes the proprietary VEN protocol and combines it with innovative back-end functionality such as our Zero Trust centre and wayfinding AI to present the ultimate deployed network.

iQuila Enterprise, is an end-to-end solution that encompasses all the connectivity features that a secure WAN needs, as a singular, easy to deploy product.

iQuila connections are full Layer 2, replacing the need for MPLS or VPN connections. The Zero Trust centre provides nano-segmentation and strict user access management. Adjacent node SD-LAN and kernel boot functions ensure the connection and device are secure, encrypted and under strict management of Group Policy.

Software-controlled WANs and LANs have been around for a short while but iQuila is the first of its kind. A never-seen-before software-defined technology for extending your Local Area Network across your Wide Area Network, but with localized breakouts and controls as required. Security is paramount and the VEN protocol incorporates the highest available encryption, however iQuila Enterprise also enables organisations to install their own bespoke encryption if desired. iQuila Enterprise reinforces security with additional authorization protocols, full domain log-on and certificate assignment and verification.

Organisations using iQuila Enterprise can extend full operational capacity and security across their entire Global network, in a single solution.

BUSINESS BENEFITS:

- Zero trust deployment.
- Always on, always secure connection to any device.
- Protected against distributed denial-of-service (DDoS) and man-in-the-middle (MiTM) attacks.
- Seamless cloud and multi-cloud connectivity.
- Stays connected, even when on the move at high speed/altitude.
- Un-paralleled speeds and user application access.
- Staff work from anywhere without compromise.
- Achieve full potential of deployed IoT devices.
- Simple installation and integration
- Bandwidth grabbing technology so smoother home working
- Seamless cloud and multi-cloud connectivity.
- Simplify WAN architecture, replacing VPN, MPLS, SD-WAN, network peripherals and device management components with a single solution.
- Wholesale cost reduction across CAPEX, OPEX and connectivity support.
- No need for static IP address at remotes sites



TECHNICAL BENEFITS:

- Full Layer 2 and Layer 3 support.
- Bridge full Layer 2 over Layer 3 across any type of internet enabled connection.
- Available as software and hardware only, or as hybrid.
- Backwards compatible with legacy infrastructure, full integration with no architectural overhaul.
- Multi-authentication, full encryption, and end-to-end encryption on every connection.
- Full GP log-on and GDPR compliance.
- Integrates into Active Directory and Azure AD
- Nano-segmentation, packet filtering and data prioritization and control across entire WAN.
- No network backhauling.
- AI network load-balancing and cluster management with hot failover.
- Same subnet connectivity, enabling Global DR on demand and IP range management.
- UDP hole punching.
- Carry IEEE802.1Q VLANs.
- Transmit all native communications protocols across your network to IoT or User centric devices.
- Accept connection from legacy protocols (IPSEC L2TP, L2TPv3 Ether IP)
- Network orchestration via centralized portal access.
- Full cluster capability