

Secure Virtualized Networking for the Energy Sector

A Cloud-based Virtual Networking Platform, with Built-in Security Functions, Offered as a Service






When the power goes out, the downstream effects across the grid can disrupt millions of business and residential customers that rely on that power to conduct their daily affairs. And with millions of smart devices being added to monitor and control energy usage, energy companies are doing all they can to secure their distributed supply chain networks from debilitating cyberattacks.

For their part, the increased use of smart IoT devices is benefiting both energy companies and consumers. Smart devices, for instance, can help consumers use energy more efficiently and cut costs. On the supplier side, having access to real-time data on energy usage from smart meters and sensors across the grid can help energy companies respond to changes in power demand more quickly and effectively.



Network Security Challenges for the Energy Sector

However, providing secure connectivity for the growing number of these devices across the energy supply chain that spans multiple sites is a constant challenge. From extraction to distribution, every connected sensor, device, and field technician needs to be securely connected to get access to the needed systems and applications..

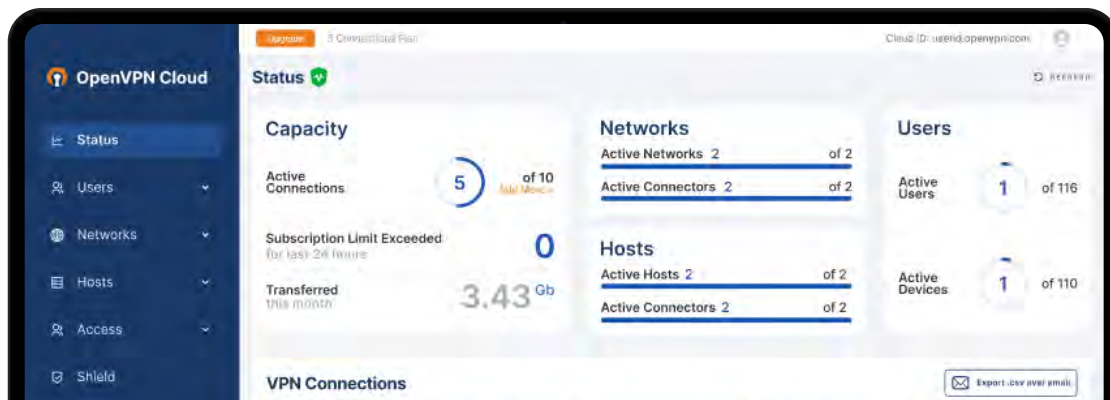
-  Securing communications from IoT devices, like smart meter sensors.
-  Protecting remote access to proprietary corporate data, a growing array of SaaS applications, and 3rd-party field equipment teams.
-  Ensuring secure communication between business partners.
-  Managing traditional networking hardware that can be labor-intensive, complex, and costly.
-  Providing secure point-to-point connections while maintaining scalability and flexibility.

Secure Virtualized Networking for the Energy Sector

Trusted Leader in Secure Virtualized Networking

From extraction to distribution, every connected device, field worker, and remote employee is a target for cybercriminals looking for network vulnerabilities. Fortunately, you can deploy cloud-based security to keep your operations safe.

Our cloud-based virtual networking platform, with built-in security functions, is offered as a service to enable organizations to maintain secure communication between their distributed workforce, IoT/IIoT devices, and the online services they rely on daily. Built on the market-proven OpenVPN protocol, the solution combines advanced network security, encrypted remote access, and content filtering into a virtualized secure network that provides the best of VPN and ZTNA security.



OpenVPN Cloud

A Single, Cost-Effective Solution

With OpenVPN Cloud, you can quickly and cost-effectively provide secure remote access to on-premise, cloud, and SaaS applications for your distributed workforce using a secure, virtualized, and reliable modern network. You control and define access rules and connection points for both on-premise and cloud applications from anywhere in the world.

Because the OpenVPN Cloud solution is entirely flexible and dynamic, you can easily add, remove, and manage users, devices, and applications as an integral part of your digital transformation initiatives. You are no longer required to manage a complex array of rigid and expensive network and security devices that only provide part of the solution. OpenVPN Cloud provides a single, cost-effective secure network connectivity solution that is ideal for securing your distributed networks and communications.

With over 60 million downloads of our core open source software and over 20,000 commercial customers, OpenVPN is recognized as a global leader in secure networking.

OpenVPN Cloud

Key Features and Benefits



Worldwide meshed private network

Securely connect all private networks and distributed applications



Application domain-based routing

Zero Trust Access to applications to prevent lateral movement



Identity Management

Single sign-on with identity-based access control



Content filtering and IDS/IPS

Reduce costs with integrated advanced security features



Secure, high performance tunneling

Tunnel traffic to 3rd-party security gateways and prevent unauthorized access



Easy on-demand provisioning

Reduce demands on overworked IT and networking staff

Join 20,000 + commercial customers deploying network security with OpenVPN Cloud

- ✓ Connect up to three devices free
- ✓ Scale as your business grows
- ✓ Support, upgrades and Connect Client included

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