

Corvina Cloud 1.0 Tech-Note

Corvina Cloud 1.0 is an **advanced connectivity management solution that puts you in control of your IIoT business**. Leading seamlessly from the JMCloud offering, Corvina Cloud 1.0 is powerfully robust, highly scalable and offers advanced VPN capabilities.

The user interface is incredibly clean and easy to use. Web-based it allows all your remote devices, networks and users to be able to communicate securely.

Corvina Cloud 1.0 **can be offered as an on-premise cloud infrastructure** that delivers the uptime and performance needed for industrial applications and control services at any scale.

This IIoT-ready, secure, and user-friendly platform dramatically reduces the excess costs involved with installation and maintenance as well as preparing you for the new IIoT business models of tomorrow.

Benefits

- Single click of the mouse to access to the devices
- Maintenance and Installation cost reduction
- Increases Industry 4.0 implementation by completing the **IIoT Whole Product Solution of the X Platform**
- New business services opportunity (predictive maintenance, etc.)
- Shows location and status information of all devices in the field
- Access to web server of device using standard browser on pc, tablet and mobile
- Creation and management of multiple small companies on a same Corvina installation.
- Break up a large enterprise into smaller departments, that shall remain separate and host all of them on a single Corvina installation.



Features

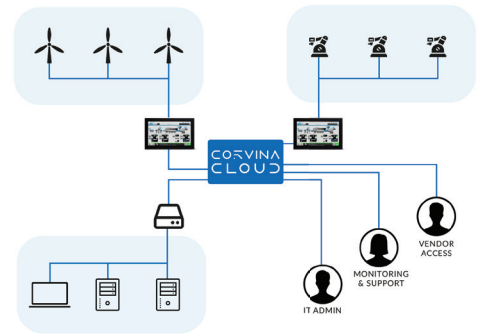
- Industrial advanced VPN for IoT Security encrypted using SSL/TLS protocol
- Web access using standard browser
- Live Map Dashboard
- Remote and secure maintenance and installation
- Subnet Mapping to access to all devices connected to the internal LAN
- USB Provisioning in order to reduce installation time
- Public Cloud or On-premise installation
- Customization of the application links
- Layered Security
- Firewall settings are 100% configurable
- User and access management

Advanced VPN for IIoT Security

A powerful and highly scalable solution that offers **advanced VPN capabilities** with a simple web-based interface allows all your remote devices, networks and users to be able to communicate seamlessly.

Industry standard **encryption technology** ensures your data stays protected in transit for complete IIoT security.

Granular role-based access permissions allow **users to only gain access to required resources and nothing else.**

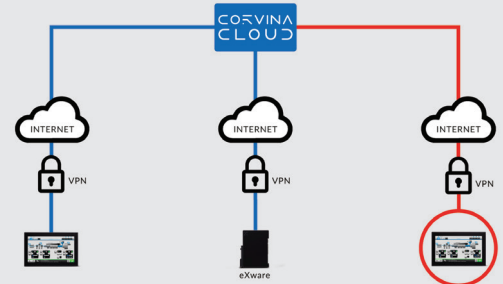


Isolating for Maintenance and Installation

Corvina Cloud 1.0 uses a SSL VPN technology (OpenVPN) to allow both **installation and maintenance to be made remotely and highly securely.**

Non functioning devices can be identified from the portal and isolated to be worked on.

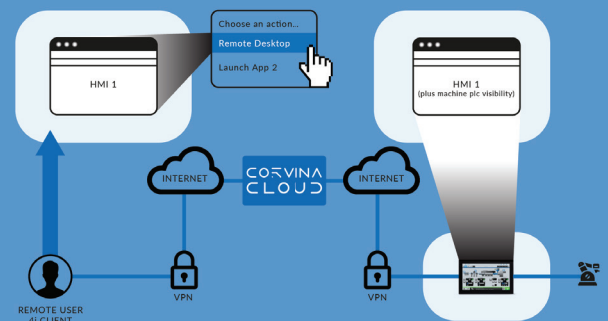
This can help save time and money and minimize network downtime.



Applications

In traditional VPN solutions, there is no support for helping users to identify or link their local applications to remote VPN resources. This has the consequence that users have to remember IP addresses or require the use of complicated DNS systems.

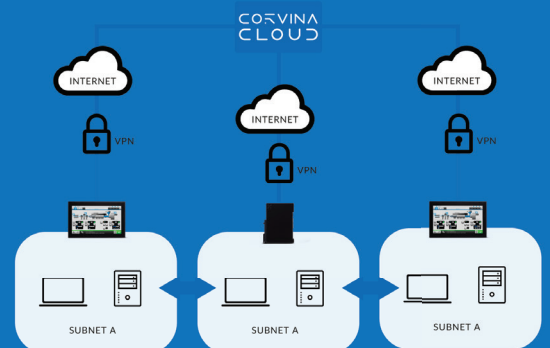
Corvina Cloud 1.0 solves this issue by allowing you to specify “application links” which will launch a local application on a user’s computer and connect it to a remote resource automatically and with just a single click of the mouse.



Subnet Mapping

One of the most common challenges industrial networks are faced with is the problem whereby multiple locations have the same subnet, making it **impossible to implement a central VPN management tool** without significant intervention.

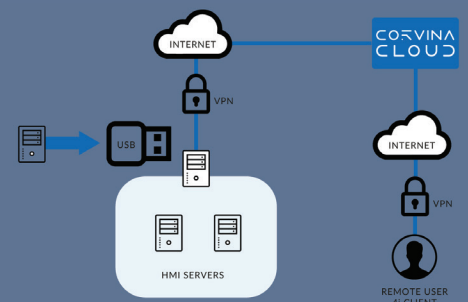
Corvina Cloud 1.0 is the only solution on the market that can seamlessly resolve this routing nightmare, allowing your deployment to go smoothly.



USB Provisioning

With distributed networks that span large territories, it’s common for the **IT staff to experience a lot of traveling** to deploy network equipment. This takes a lot of time, not to mention incredible cost.

With the USB Provisioning tool, **devices can be easily pre-configured** on a USB stick and shipped out to their location for a simple, secure installation.



Web access using standard browser

Corvina Cloud uses **web proxy technology** to allow usage of standard browser to connect to portal with security HTTPS protocol.

It is possible to **access to local display of device using VNC client** integrated into portal.

It is possible to access to web server of device **using standard browser.**

