VTScada by Trihedral

Thin Client Access

OPTIONAL INTEGRATED COMPONENT

A secure, reliable interface for any device that you can configure in seconds

VTScada has always been a leader in remote connectivity. VTScada Thin Clients allow authorized users to safely monitor and control their process from anywhere. Thin Clients are optional components licensed by the number concurrent users. In seconds, configure any VTScada full installation to be a Thin Client server. Add more servers to provide seamless client failover.

VTScada sends updates only when process values change providing high performance even on slow networks. Configuration changes or version upgrades automatically synchronize with each client connection.

Industry-Standard Encryption

Secure Socket Layer (SSL) support protects security data exchanged between clients and servers. VTScada also supports industry-standard Internet security features including firewalls, VPN connections, and Transport Layer Security (TLS).

Security

Manage remote access via application user account privileges. Runtime security changes are immediate and system wide. Support for **OpenID Connect**® permits integration with third-party authentication servers allowing single sign-in (one password for many systems) and two factor authentication (e.g., Google Authenticator or Apple Touch sensor).

Configure in Seconds

Due to its integration with VTScada, optional Thin Client access can be unlocked with an updated software key and configured in seconds. VTScada automatically translates all displays, exactly as they appear on a full-installation client. No need to purchase and support third-party server products like Apache® or Microsoft IIS®.

Simple Licensing

VTScada Thin Clients are licensed by the number of concurrent users according to the tag count of the application. Thin Clients can be added to any existing VTScada licenses by updating the key. Choose single clients, value packs, or unlimited licenses.

Uninterrupted Access

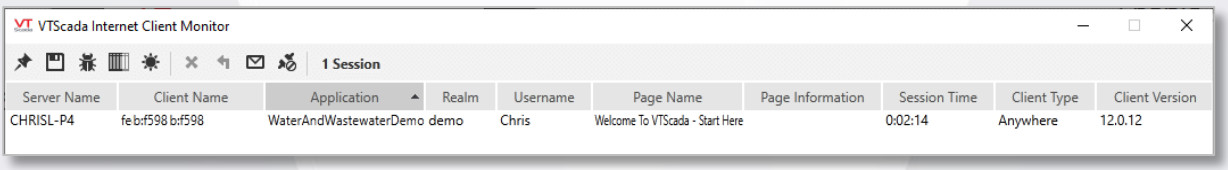
Like all VTScada services, automatic Thin Client failover is an important part of system reliability. If the primary Thin Client Server becomes unavailable, VICs and Anywhere Clients will seamlessly switch to the next designated backup. Note: MIC sessions need to be manually redirected.

Efficient Server Load Sharing

In applications with multiple Internet servers, new connections can be configured to automatically go to the server with the fewest connections.

Monitor All Client Use

The VTScada Internet Client Monitor tool allows you to monitor active Thin Clients. It permits logging of Client activity, messaging to one (or all) user(s) and forcible disconnection for maintenance and security reasons.



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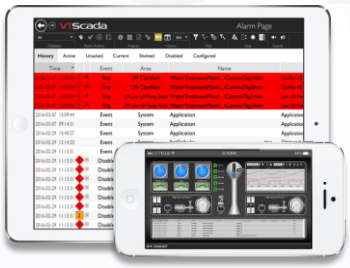
Each user can select a display format that suits their device and data plan



A consistent Operator experience 'anywhere'.

VTScada Anywhere Client

Smartphones, Tablets, Windows PCs, and Macs

The Anywhere Client provides a consistent and secure full workstation experience on computers, phones, and tablets.

- Monitor and control your applications in any HTML5 browser.
- 'Push' technology provides real-time data without overloading your data plan.
- Zero-footprint means nothing to download and install. No Java either.

Note: Logged off sessions are not supported. Internet Explorer 11® does not support sound but Edge® does.

The VIC is identical to a Runtime workstation.

VTScada Internet Client (VIC)

Windows PCs, Laptops, and Panel PCs

An operational interface identical to a full-installation VTScada license. This includes monitoring and control, security configuration, reports, trends, and alarm acknowledgment. Initiate connections from a desktop icon or a web link. Uses include:

- **Secure Remote Portal** - Access your system from any online Windows computer.
- **Flexible Workstation** - A hassle-free alternative to full-installations.

The MIC provides tactile trends, tags, and maps.

Mobile Internet Client (MIC)

Smartphones, Tablets, Windows PCs, and Macs

Use any HTML5-compliant browser to navigate sites and manage your process with a touch or pinch. Refresh data manually or set a refresh rate that suits your cellular data plan. Easily switch between these display formats:

- **Text-based Interface** - This tactile easy-to-read text-and-trend interface makes the best use of even the smallest screens and data plans.
- **Full Graphics -** See full-resolution views of displays on demand. Pinch to zoom into areas of interest. Tap to set values, view tool tips, or plot trends.

Thin Client Requirements

- Requires a connection to a running VTScada application server with Thin Clients enabled.
- Does not require Remote Desktop Protocol® (RDP).
- Does not require dedicated thin client hardware such as Wyse® devices.
- Performance more related to quality of server and network rather than power of end-user devices.
- Thin Clients work well over slower connections so long as network latency is low.

VTScada Anywhere Client

For HTML5 Browsers on Mobile Devices, PCs, Macs, and LINUX

To Launch - Enter a URL into one of the browsers below.

- Safari® (OS X, iOS) - Recommended
- Chrome® (Windows®, iOS®, Android®) - Recommended
- Firefox® (Windows®, iOS®, Android®)

Phone Hardware - 2 GB RAM (at least 200 MBs free space)

PC Hardware - See "Small Systems" VTScada.com/requirements

VTScada Internet Client (VIC)

For Windows Desktops, Laptops, and Servers

To Launch

- Enter a URL into Internet Explorer **or…**
- Run a small desktop program (installed once from the app via a browser)

PC OS - Windows 8® or newer

PC Hardware - See "Small Systems" VTScada.com/requirements

Launch a Thin Client SCADA Demo

VTScada.com/demo

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