



VTS/VTScada  
HMI/SCADA Software

## VTS Internet Server (Optional Component)

## VTS Internet Client (Optional Component)

**Optional VTS Internet Client/Server features combine unrestricted user functionality with high uptime and reduced maintenance.**

### VTS Internet Client/Server Overview

Internet connectivity allows SCADA and HMI users the freedom to monitor and control their process from anywhere, anytime. By combining this capability with industry-standard Internet security and automatic server failover, the VTS Internet Client becomes as reliable as a full-installation VTS Client.

### Simple Configuration

The VTS Internet Server is a stand-alone Internet Server product, requiring no additional software. Due to its tight integration with VTS, configuration is greatly simplified in comparison with other products. In fact, development of Internet specific displays is completely eliminated, as the VTS Internet Server automatically translates all application displays, making them appear on the VTS Internet Client exactly as on a full-installation client.

### Automatic Installation & Upgrades

Upon first connection with the Internet Server, the client workstation automatically downloads and installs an ActiveX client component that will display the application screens and data. Upgrades to this Active X component can be downloaded and installed upon each subsequent connection to the Internet Server. This ensures all VTS Internet Clients are synchronized with the server. This greatly simplifies upgrades to client workstations, particularly where all client workstations cannot be readily identified.

This synchronization methodology is carried to the application level through the use of 'push' technology. As VTS is capable of online configuration of both application pages and tags, it is imperative that all clients immediately receive any changes. Thus, any tags and pages displayed on the VTS Internet Client are immediately updated (pushed out) by the server.

### Functionality Consistent with 'Thick' Clients

The functionality of the VTS Internet Client is very similar to a full-installation VTS client. All operational monitoring and control is available, as is the capability to make security changes, run reports, view historical data and view & acknowledge alarms. Users can even make tag configuration changes so long as the VTS Internet Server is running on a VTS Full Development license.

### Automatic Server Failover

As with all VTS services, automatic server failover is an important factor in ensuring application reliability. This feature is now extended to Internet connectivity, whereby a list of backup VTS Internet Servers can be created. In the event the primary Internet Server is unavailable, Internet Clients automatically and seamlessly switch to the backup Internet Server. All Internet Clients will reestablish connections to the primary Internet Server when it is once again available.

### Security

Access to VTS applications is managed via security permissions, settable through the VTS user accounts. Security permissions can be granted or revoked at runtime and any changes to security are system-wide and effective immediately. Industry standard Internet security features, including firewalls, SSL (Secure Socket Layer) and VPN connections are all supported. Note: pop-up blockers can interfere with the Internet Client's ActiveX component.

See document *VTS/VTScada Security Features* for further information on application security.

### Internet Client Monitoring

The VTS Internet Client Monitor tool allows administrators to monitor the Internet Client pool. This tool permits logging of Internet Client activity, messaging to one (or all) users via broadcast, and forcible disconnect for maintenance and security reasons.



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