proVconnect WanPulse

Customer Story

Distributed system of managed workstations for the healthcare organizations of Novosibirsk region

Government of the Novosibirsk region

Novosibirsk region is a part of the Siberian Federal District. Novosibirsk city is also the administrative center of the Siberian Federal District. The population is more than 2.7 million people. The composition of the Novosibirsk region includes five urban districts, 30 municipalities and 455 settlements.

Background and objectives of the project

In 2013, Novosibirsk region launched an ambitious program to modernize health, which affects the entire network of medical institutions in the region. The purpose of the program - improving medical care.

This program aimed to implement a modern information system in health care. This included electronic medical records, personalized accounting services and patients, the widespread ability to record to the doctor electronically exchange for telemedicine data and the introduction of an electronic document management system.

The challenge for the Novosibirsk region was to create a large system of more than 3,000 managed "thin" workstations for the 92 medical institutions in the 25 different localities of the region, with a single center for remote control, monitoring and administration.

Project - Automation of the medical organizations of Novosibirsk region

Country - Russia

Industry - Healthcare

Sales Partner

QUARTA TECHNOLOGIES

Website - www.quarta-embedded.ru/

Company profil - Top Distributor in the Embedded Space for Russia and CIS Countries. Quarta is Microsoft Gold Partner and was recognized as EMEA Windows Embedded Distributor of the Year 2013

Industry Partner

AQUARIUS

Website - www.aq.ru

Company Profile - Russian manufacturer of computer hardware and developer of integrated IT solutions

Solution

Quarta Technologies, as specialized distributor in the embedded space, has been teaming up with WanPulse in order to provide **Windows Embedded operating systems** and the unified management software solution - **proVconnect** – enabling to centrally provision and monitor endpoint devices.

As far as endpoint devices were concerned, Russian company **Aquarius** has been selected. Aquarius produces a wide range of computer equipment and has extensive experience in the creation and implementation of specialized IT solutions for the modernization of medical facilities. **Aquarius Thin Clients** allow the user to work with programs and applications while all data is stored and processed not on the user device, but on the terminal server. This greatly simplifies the **administration and configuration of each device**, which in this project was **more than 3,000**, while solving the concerns of security, sensitive-data protection and fault-tolerance.

On the basis of the operating system Windows Embedded Standard 7, IT specialists from Aquarius have developed a customized software image for the project which allows, within a small and optimized footprint, to centrally access to medical applications and data using RDP 7.0 protocol and connecting to Windows Server 2012 Terminal Server in the backend.

proVconnect management console has been deployed on the existing server infrastructure of the customer, which includes **Microsoft Windows 2012 Server and Microsoft SQL**. proVconnect has allowed the monitoring of performance and safety, support, administration and scalability of the entire setup of workstations.

The **key features** that have been profitable to the project:

- Configuring the remote workstation
- Initiating a remote connection to the device for support purpose
- Protection of the OS system
- Remotely copy files and install applications on the client
- Rights management and administrator logs, as well as update the client
- Monitor the events on the devices and send automatic alerts

One of the **key advantages** of using proVconnect is its **simplicity**. Intuitive interface and all necessary support services from WanPulse has been a key asset to the success of the project. Furthermore, proVconnect support the management of **Microsoft's Write Filters** which ensures stability of the OS image while still allowing to push updates and new data to devices.

Result

As a result, **Aquarius and Quarta, thanks to Microsoft Operating Systems combined with WanPulse proVconnect management console**, have been able to deliver together a **complete hardware and software solution**, within the target timeframe, enabling to modernize end point devices spread over 92 medical institutions in various fields - clinics, hospitals, dispensaries, maternity hospital and ambulance stations. Control and monitoring of the entire fleet of equipment ensures a lower cost of field operations for Novosibirsk region as well as a prevention of failures and downtimes.

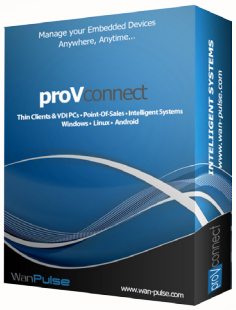
The project is one of the largest in health sector and an important step towards the modernization of the entire health care system in the region, whose purpose - to provide people with quality and affordable health services.

TECHNICAL INSIGHTS

SOFTWARE

- Windows Embedded Standard 7

- WanPulse's proVconnect Management system



HARDWARE

- Thin clients Aquarius TCC U30 S24