



EQUICARE CS Deployment Architecture

Background

EQUICARE CS is a case management solution that helps cancer centers to provide a structured follow-up program for its growing population cancer survivors. EQUICARE CS is designed to fit into virtually any datacenter architecture, and to minimize the amount of management and administration to keep it running.

Standard Web Architecture

EQUICARE CS is based on a standard Microsoft .NET architecture, and uses standard components such as SQL Server and an open source web application framework, DotNetNuke. Using standard components minimizes both the cost of deploying EQUICARE CS servers and the complexity of managing them once they are in operation.

This simplified architecture allows for infinite scalability, from a single-box test environment to a multi-server, multi-tier production environment serving hundreds of staff and thousands of survivors.

No Client Footprint

Another important advantage of EQUICARE CS's web-based architecture is that there is no software to install on the client workstations. Any machine capable of running Internet Explorer or Firefox is able to run EQUICARE CS.

This eliminates the need to procure, install, deploy, and maintain dozens of client machines. EQUICARE CS runs on the workstations you already have deployed throughout your organization.

Furthermore, upgrades and updates are deployed on the servers only, without any need to update the clients. This greatly reduces both the cost and the time required to deploy updates throughout your enterprise.

Security

All communication between clients and EQUICARE CS servers is encrypted using secure sockets and HTTPS, ensuring that all transmissions are secure against potential eavesdroppers. Database servers are deployed in the institution's secured intranet, which minimizes the potential to expose confidential data to the outside world.

Privacy and Role-based Portals

EQUICARE CS connects the cancer center to its survivors and their primary care physicians over the internet via a set of role-based portals. Survivors and PCPs are granted permission to view only the information they are permitted to see, satisfying all HIPAA privacy and security requirements.

Per-Patient Licensing

The EQUICARE CS software license model is based on the number of survivors under active management, not on the number of machines running the software.

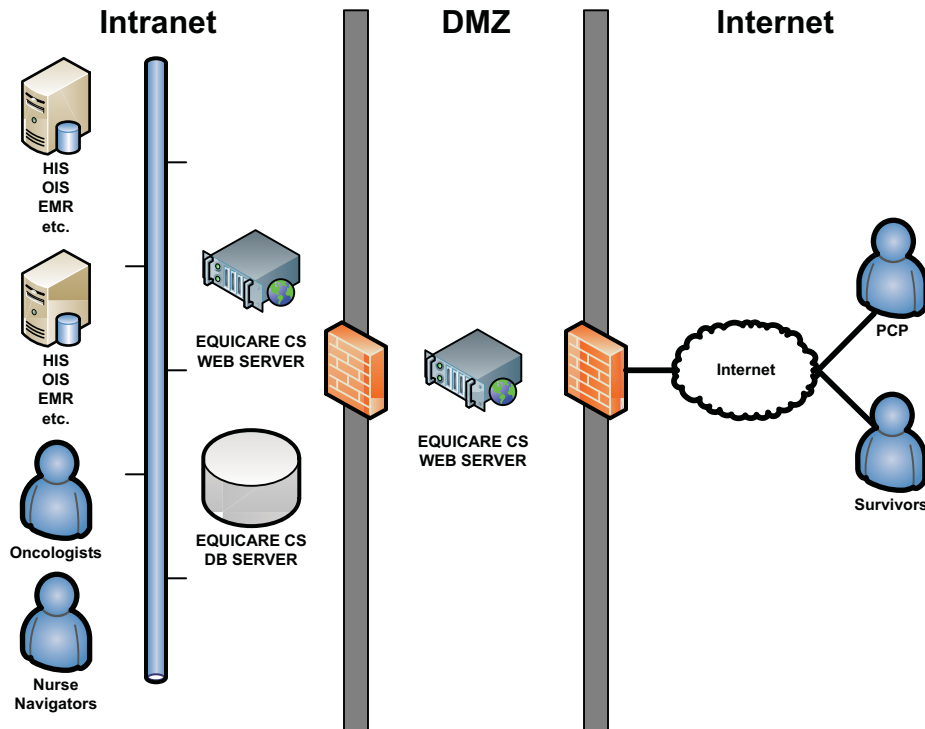
Combined with its architectural flexibility, EQUICARE CS can be deployed in any environment on any number of servers at no additional cost to the institution

A Typical Deployment

The diagram below illustrates a typical deployment.

EQUICARE CS database and web servers reside inside the enterprise. The number of servers can be scaled to meet the enterprise's load and availability requirements. Connectivity to other information systems within the enterprise, such as the electronic medical record, the admission/discharge/transfer system, and the oncology information system, is via standard TCP/IP HL7. Clients, such as oncologists and nurse navigators, connect to EQUICARE CS on your already existing desktop computers using the standard secure web protocol, HTTPS.

Access to the system for survivors and primary care physicians over the internet can be sequestered on one or more separate web servers residing in the enterprise's DMZ. These servers can be scaled to meet the availability and load requirements of each particular deployment.



EQUICARE CS is an open, standards-based platform that minimizes complexity and administration, allowing cancer centers to focus on caring for survivors. To find out more, please visit us on the web at www.cogenths.com or e-mail us at info@cogenths.com.



Cogent Health Solutions Inc
Suite 501-321 Water Street
Vancouver, BC V6B 1B8
Phone: 604-708-9075
Fax: 604-687-6942
Email: info@cogenths.com
Web Address: <http://www.cogenths.com>