

myVR Software products and Internet communication through firewalls

myVR Security

The myVR solution is a client/server based solution comprising of myVR clients (myVR Netview, myVR NetView ActiveX and myVR ProView), and the myVR Server is designed so that users can view 3D VR models from anywhere while seamlessly ensuring that corporate data models are protected against attack.

myVR Encryption

The myVR Solution uses PKI (Public Key Infrastructure) encryption methods for password validation and cryptographic keys (2048 bit RSA). When 3D models are published to a myVR server they are encrypted using symmetrical block ciphers (DES-EDE2 & HMAC/SHA-1), to ensure that the corporate data model integrity is fully protected and the solution is designed so that the 3D model data remains encrypted during transit over the Internet and can only be decoded and displayed by a myVR client application. The myVR Solution is designed to fully preserve the integrity, confidentiality, and authenticity of your corporate 3D model data from start to finish.

Internet and Firewalls

myVR clients require a connection to a myVR server to be able to view 3D models over the Internet. This communication requires an outbound-initiated TCP/IP connection from the myVR client to a myVR server and thus a configuration change at the firewall is required to allow for an outgoing connection only on TCP port 443. As the communication is outbound only your network remains secure.

myVR Communication Protocol

myVR uses a highly optimized and proprietary communication protocol for streaming 3D model data securely over the Internet in encrypted form. To ensure an efficient and secure streaming of 3D model data we do not use common protocols such as HTTP, HTTPS, or FTP, and thus it's important that myVR data traffic is not routed through a proxy, which commonly is done for regular web traffic.

Collection of data.

myVR Software products does not collect and/or transmit any information outside of the information provided during registration/activation of our products.