

TECHNICAL SPECIFICATIONS



BELOW YOU'LL FIND WHAT'S REQUIRED TO MAKE ORTHOLIVE REMOTE INJURY CARE FUNCTION PROPERLY FOR YOUR TEAM. IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT OUR SUPPORT TEAM.

ABOUT OUR TECHNOLOGY

VIDEO MEETINGS & SCHEDULING

- Java Play Framework, React Native Apps (iOS and Android)
- Ubuntu 20.04.1 LTS
- NGINX 1.18 stable branch
- OpenSSL 1.1.1f
- OpenSSH_8.2p1
- TLS 1.2 & 1.3 (no 1.0/1.1)

Hosted on Google Cloud Servers & Cloud Mysql

REMOTE INJURY CARE BACK END

- VueJS + Laravel Framework
- Ubuntu 20.04.2 LTS
- OpenSSL 1.1.1f
- OpenSSH_8.2p1
- NGINX Mainline 1.21
- TLS 1.2 & 1.3 (no 1.0/1.1)

Hosted on AWS EC2 w/ S3 for document storage

All data backed up offsite nightly. Telemedicine visits work best on Wi-Fi (for mobile devices) or plugged-in ethernet (on PC/MAC).

Use Chrome for desktop.

TELEMEDICINE IP'S TO WHITELIST

Our new system uses a very flexible and redundant connection system which means most clients will not need to set any firewall rules, however for very restricted networks the following addresses and ports should be opened. For best reliability please open the following:

SIGNALING COMMUNICATION

Host Name	Port and Protocol
global.vss.twilio.com	443 WSS
us1.vss.twilio.com	443 WSS
us2.vss.twilio.com	443 WSS
sdkgw.us1.twilio.com	443 WSS
ecs.us1.twilio.com	443 HTTPS

NTS TURN SERVERS IPS TO WHITELIST

34.203.254.0 - 34.203.254.255
54.172.60.0 - 54.172.61.255
34.203.250.0 - 34.203.251.255
3.235.111.128 - 3.235.111.255
34.216.110.128 - 34.216.110.159
54.244.51.0 - 54.244.51.255
44.234.69.0 - 44.234.69.127

Ports used: 10,000 - 60,000 UDP/SRTP/SRTCP and TLS/443 or UDP/3478

24/7/365 ACCESS TO THE BEST CARE



Support@OrthoLive.com

PLATFORM SECURITY

[CLICK TO VIEW WHITELIST IP ADDRESSES](#)

Infrastructure

OrthoLive uses Google Cloud to take advantage of the same secure-by-design infrastructure, built-in protection, and global network that Google uses to protect your information, identities, applications, and devices. Key security configuration includes:

- Secure private network for all servers
- Encryption for all hard drive storage

Data

OrthoLive uses the Cloud SQL managed database services of Google Cloud that supports automatic failover to make the database highly available.

All data is automatically encrypted, and Cloud SQL is SSAE 16 and ISO 27001 compliant. All communication with the database servers uses SSL with 256 bit encryption. Passwords and other sensitive data are fully encrypted.

Website & Apps

OrthoLive websites and mobile apps have been built with strong security principle sensitive data is cached on the users' phone or browser.

Web sites and Mobile api 2.0 to authenticate with secure server API endpoints.

Servers

OrthoLive servers have been designed with security in mind. Session management is handled with industry standard JWT (Json web token). W3C standards for Cross origin resource sharing (CORS) are leveraged.

The servers are protected against various attacks like Cross Site Request Forgery etc. Users' inputs are always validated and security headers used to prevent other types of attacks. Oauth 2.0 is used to secure the server API endpoints.

Secure and PCI-Compliant Payments

OrthoLive uses the Stripe service to provide a PCS-DSS compliant way of charging patients copays and coinsurance.

Stripe uses machine learning to analyze every payment and continuously innovates in fraud prevention.

REMEMBER, THE MORE ORTHOLIVE IS PROMOTED
INTERNALLY, THE MORE SUCCESSFUL THE
PARTNERSHIP WILL BE.



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