

Catalyst LIVE™ Telepresence



Privacy & Security Protections



Catalyst LIVE™ is a telepresence solution from ASCEND Healthcare IT that enables real-time, remote collaboration during complex or distributed clinical, interventional, surgical, and training environments.

Catalyst LIVE can be quickly and easily integrated into any healthcare systems imaging ecosystem through a highly secure plug-and-play (web-based) interface. To ensure maximum protection of systems, networks, and data Catalyst LIVE leverages a robust multi-faceted privacy and security framework including:



Privacy protections

- Zero-download, zero-footprint design ensures no images or PHI are stored on local devices
- Fully HIPAA compliant data center hosted by AWS
- BAAs in-place with all 3rd party components (AWS, Vonage/Tokbox)



User security

- AWS Identity and Access Management (IAM) for highly flexible and secure role and user-based access controls
- Passwords with strong complexity rules
- Configurable inactivity time-outs



Data security

- Encryption in transit (TLS 1.2), Qualys A+ rating
- 256 AES Encryption at rest
- Center for Internet Security (CIS) hardened systems for web-based and IoT



Network security

- Secure WebRTC for real-time image streaming and virtual presence
- Network segmentation to isolate traffic
- Penetration testing is performed on all major releases



Auditing

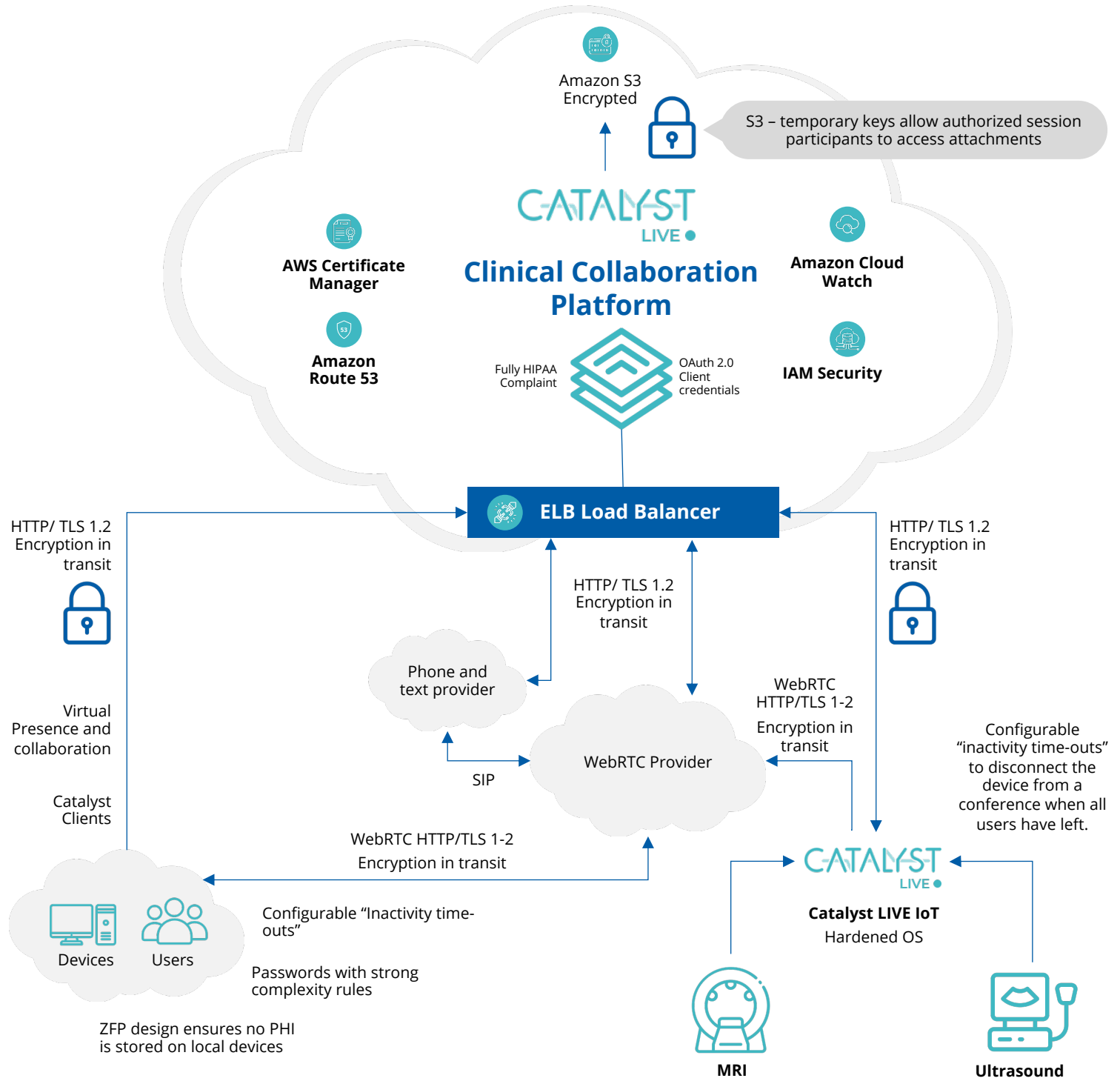
- Comprehensive event auditing using Elk Stack
- Security Information and Event Monitoring (SIEM)
- Automated CIS auditing



Benefits for IT

- Multi-media HIPAA secure telepresence technology, including:
 - HD remote enabled pan-tilt-zoom video
 - Full room audio
 - Device-agnostic connectivity
- Fast, easy integration with imaging modalities using a highly secure plug-and-play interface
- Flexible cloud-based or on premises deployment
- Fully zero-footprint on mobile, tablet, or desktop

Leveraging Amazon Web Services



Encrypted at rest

- RDS service – encrypted – managed by AWS
- S3 service – encrypted – managed by AWS
- Encryption keys managed by AWS
- 256 AES encryption
- AWS has a key management service to access resources
- All server and web service resources connections require keys to access



Encrypted in transit

- TLS 1.2 for all https requests, WebSocket connections and WebRTC streams
- Qualys A+ rating



Security groups

- Only HTTPS and WSS traffic to AWS Load Balancer
- Only Load Balancer has access to EC2 Instances
- EC2 SSH access via docker generated public/private key for deployment
- Only EC2 has access to RDS, S3, Redis, Elastic Search instances



BAA with 3rd party services

- AWS – Signed Agreement
- WebRTC provider – Signed Agreement
- Phone and text message provider – No PHI sent via email, text or push



Event logging and exception logging

- Elk Stack – hosted by AWS