



HIPAA Compliance and BAA



Covered entities and their business associates subject to the U.S. Health Insurance Portability and Accountability Act (HIPAA) can leverage the built-in security that REAN Secure Virtual Private Cloud (S-VPC) on AWS to process, maintain, and store protected health information. REAN and AWS will be signing business associate agreements with such customers.

REAN Genomics security controls include:

Encryption in Transit: All communications - access to API endpoints, transfer of genome datasets, administrative access occur on secure HTTP access (HTTPS) and SSL

Encryption at Rest: Data encrypted at rest using encryption keys under customer's control with an option to store keys in a Hardware Security Module (HSM) for cryptographic key storage

Defense in Depth: Multiple layers of defense in depth with network based and host based intrusion detection and intrusion prevention systems. Access to application is controlled using network and application firewalls

Continuous Monitoring: Security logs at cloud, network, operating system, and application level for audit and forensics

High Availability and Fault-Tolerance: Multiple Availability Zones to create geographically diverse, fault tolerant systems that are highly resilient in the event of network failures, natural disasters, and most other probable sources of downtime

Backup and Disaster Recovery: Machine images and data volumes backed up across multiple availability zones



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