SilverCloud Architecture

**September 2019**

Application architecture

SilverCloud is a web application designed to deliver psycho-educational content and interactive tools to clients. The system provides features that make the content more engaging for the client.

A management interface is provided for therapists and administrators in their orgranisations where they can interact with clients and manage use of the service.

Clients, therapists and administrators must log in to use the service. For most services, authentication data is hosted by SilverCloud. Alternatively customers can request integration with their SSO services.

SilverCloud has been integrated with third party services, such as patient management systems, via service-specific APIs.

SilverCloud is built on Django, an open source web application framework written in Python. The application is hosted on the Apache Web Server and uses the MySQL database. All external connections are secured using HTTPS.
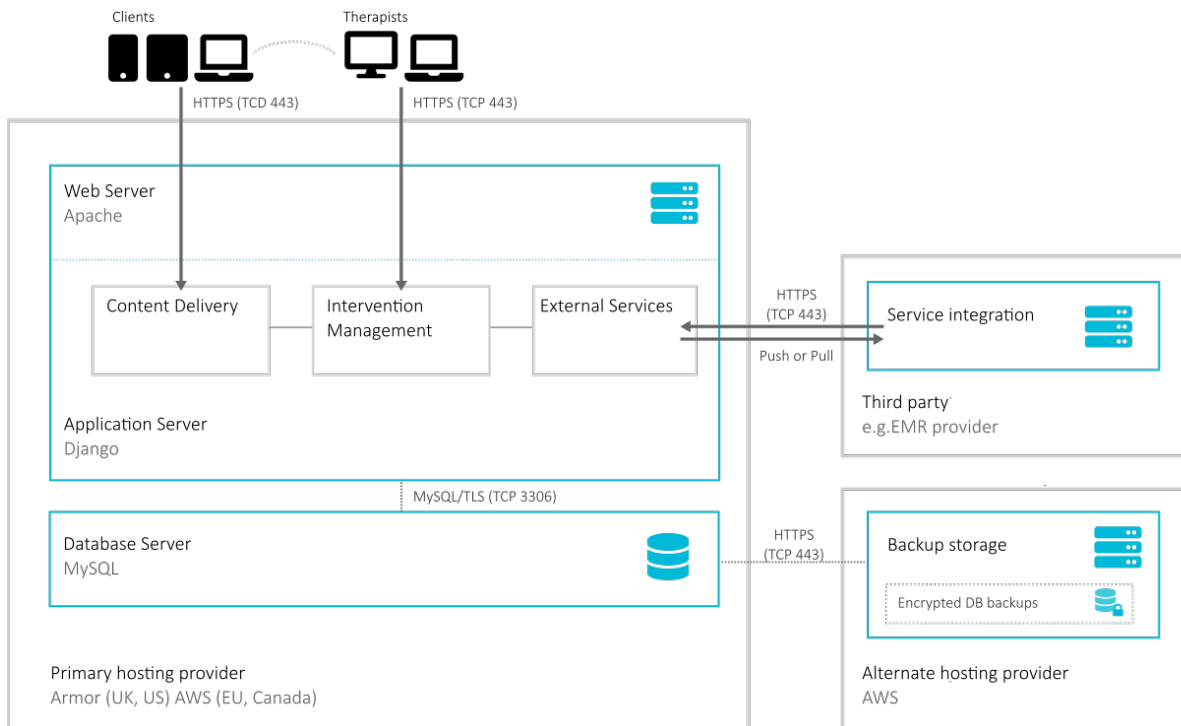
Infrastructure

SilverCloud is deployed on infrastructure provided and managed by our hosting provider Armor Defense, shown in the diagram below.
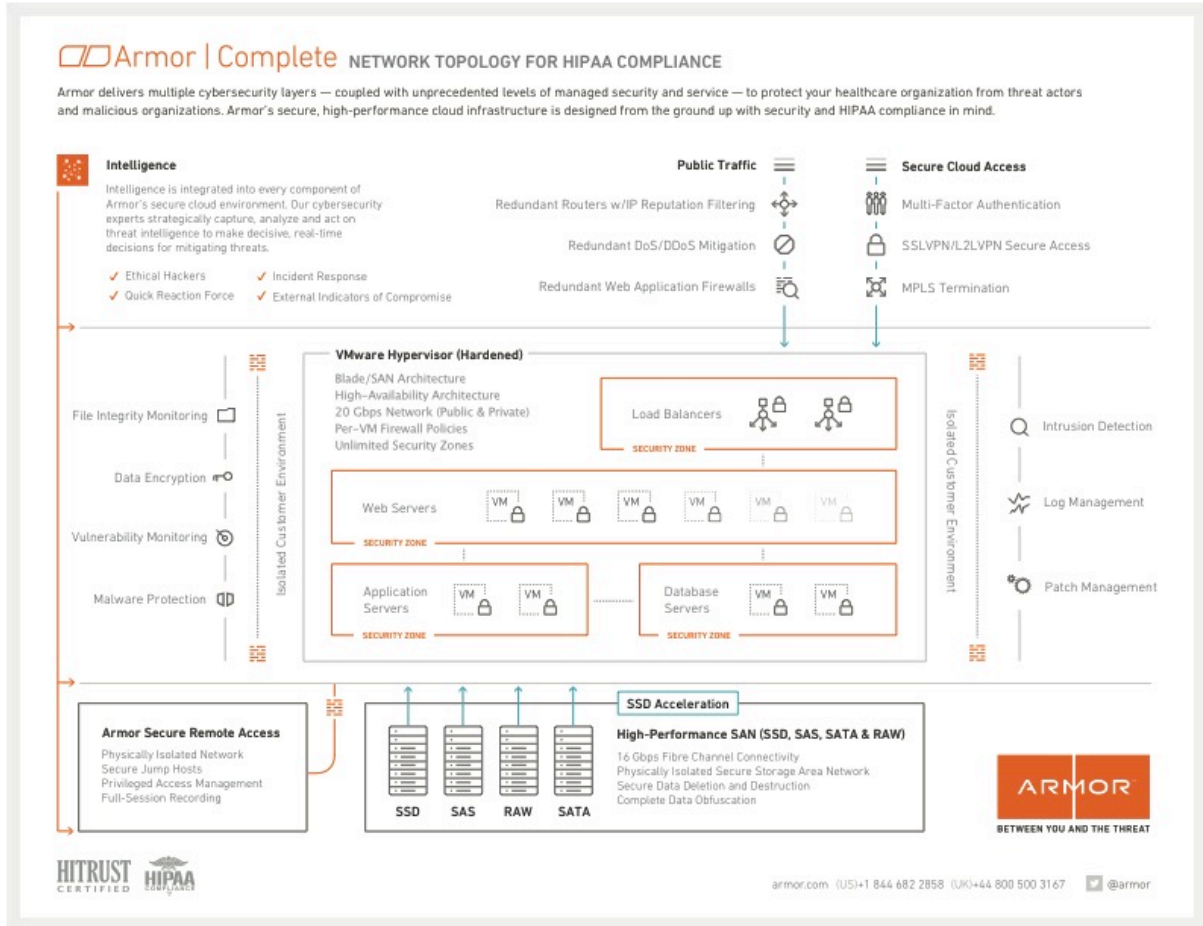
Note: SilverCloud does not currently require the use of load balancers.