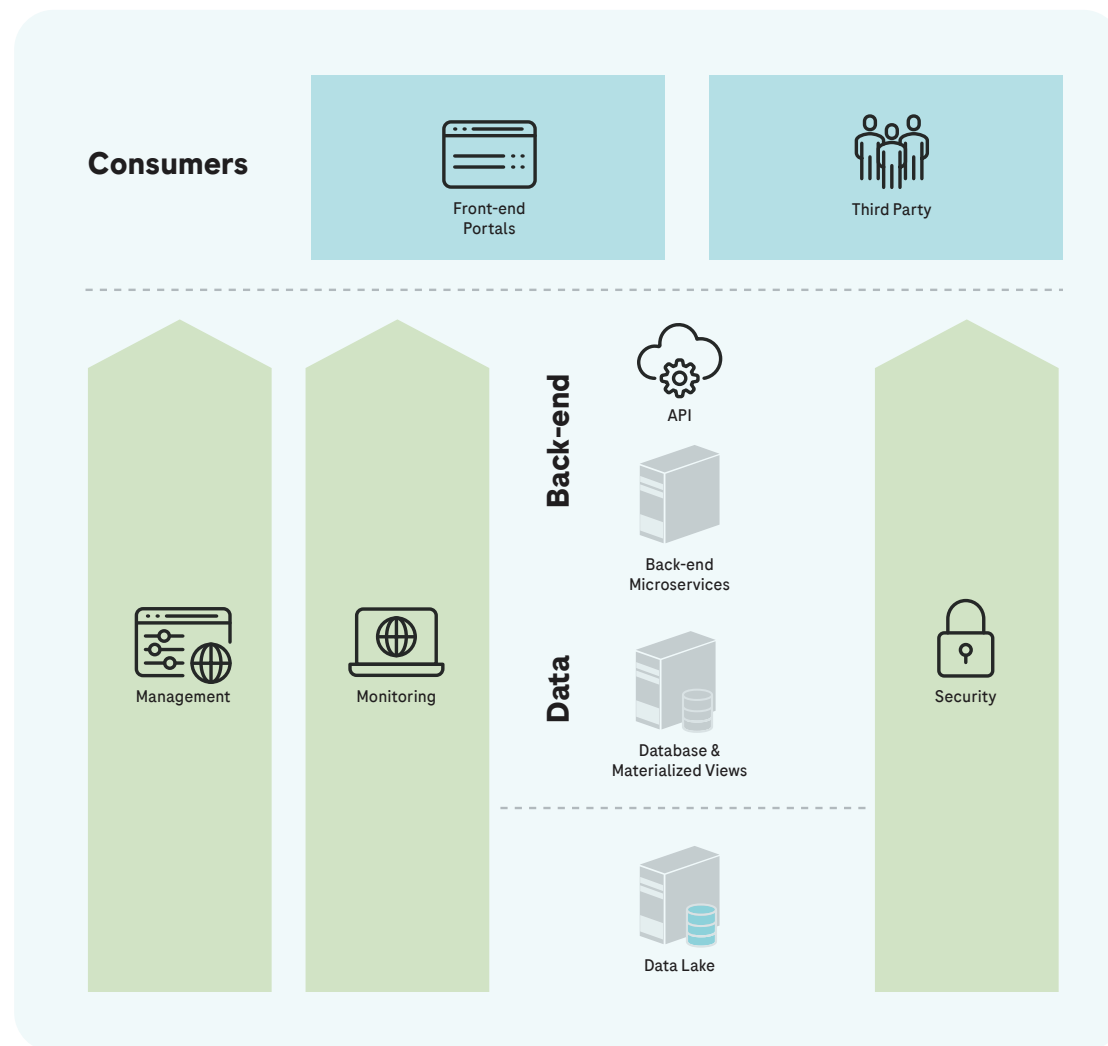


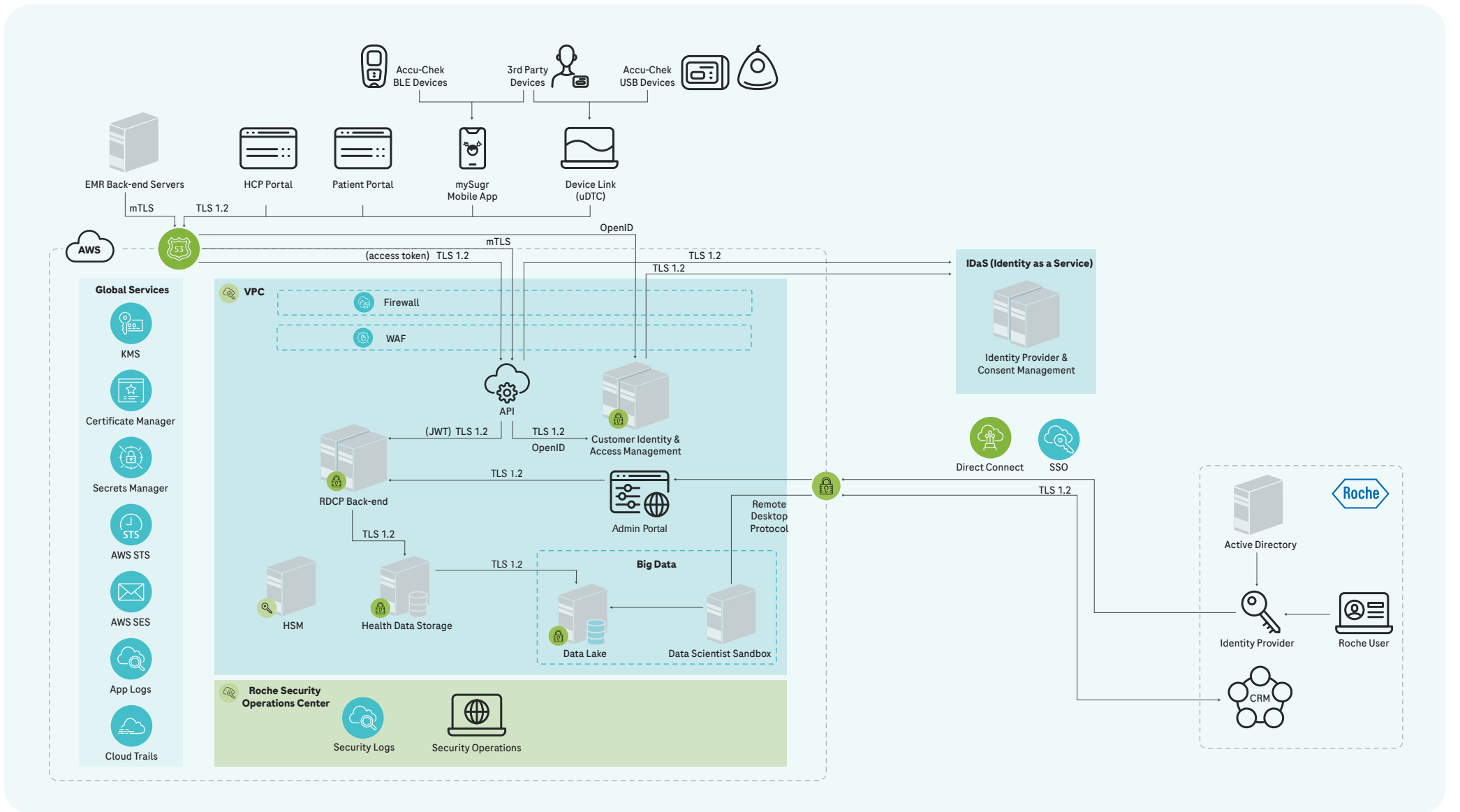
System Architecture

This document provides a comprehensive system architectural overview of Accu-Chek Care.

Accu-Chek Care is an AWS (Amazon Web Services) cloud-hosted solution which is compatible with most diabetes devices available on the market.

- Accu-Chek Care is comprised of different web portals and desktop apps that allow users to load clinical data into the system for later review or analysis
- The back-end (server-side) encapsulates all business logic and serves data to the front-end via well-defined and versioned application programming interface (API) endpoints
- An API manager offers a catalog of services and is the first layer of security
- Data persists in the storage layer and is guaranteed the proper retention policies based on country requirements
- Data is pseudonymized, encrypted at rest and in transit. Strong encryption techniques are in place to prevent the cloud-hosting provider (AWS) from accessing any data in the clear
- Accu-Chek Care is a Class IIa Medical Device according EU Medical Device Regulation 2017/745. The respective Roche development organization is certified to ISO/IEC 27001 and ISO/IEC 27701





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