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Assignment 8

When considering accessibility, optimum data security, maximum data capacity, and cost effectiveness, I would choose a hybrid storage solution for this database. A fully cloud-based storage method would be not only expensive, but also impractical for onsite data management. In this business model, records are not only being analyzed for reports but are being continually created and added to throughout the day as orders are processed and appointments are scheduled. The time and resources necessary to simultaneously update the cloud as records are being inserted would not be sustainable. Conversely, although it is a low-cost option, I would not choose to use a fully onsite data storage method either because in the event of any outages, server damage, data corruption, or theft, all records would be lost and unrecoverable. Additionally, since all records would not need to be stored onsite and can be removed from the system as they are backed up, reports will be able to run more efficiently for onsite data. For these reasons, a hybrid data storage solution would allow for the accessibility of onsite storage as well as the added security and reliability of cloud storage for a reasonable cost.