

Smart Secure Healthcare Cloud Data Model by Fog

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Abstract: *Big data in healthcare refers to sets of electronic medical health data that are large and complex. Due to their huge volume and complexity, it is difficult (or infeasible) to manage those data sets using traditional software and/or hardware. The diversity and volume of multimedia medical big data and efficient accessibility of these datasets make it irresistible. Medical Bigdata in the healthcare industry includes patient data in electronic patient records (EPRs); clinical data from computerized physician order entries etc. Healthcare cloud computing has different issues related to its security, the most important of which are: legal and policy issues, data protection, privacy protection. To keep medical data securely we use Advanced Encryption Scheme for encrypting the data, for decrypting the data the user has to enter a one-time password. If the entered password doesn't match the system will show a decoy image. This system also includes a video hiding section in which the video is hiding within the image.*

Keywords: Big data

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