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## An Adaptive Role-Based Access Control Approach for Cloud E-Health Systems

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**Abstract:** Securing and protecting electronic medical records (EMR) stored in a cloud is one of the most critical issues in e-health systems. Many approaches with different security objectives have been developed to adapt this important issue. This paper proposes a new approach for securing and protecting electronic health records against unauthenticated access with allowing different hospitals, health centres and pharmacies access the system, by implementing role-based access control approach that could be applied smoothly in cloud e-health systems.