

Enhanced Authentication Methods for Access and Control Management in Cloud Computing

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Abstract

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Cloud computing has become a disruptive technology that provides both consumers and organizations with scalable and affordable solutions. But serious security concerns have been brought up by the growing use of cloud services, especially when it comes to access and control management. Conventional authentication techniques, such two-factor authentication and passwords, have shown to be insufficient to protect cloud resources from a constantly changing array of cyberthreats. This study investigates improved authentication techniques created to handle the particular difficulties associated with cloud computing access and control administration. The study looks into a number of methods, such as adaptive access control, biometrics, multi-factor authentication, and behavioral analysis based on machine learning. By making the authentication process more reliable and easier to use, these techniques hope to lower the

Document Sections

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- II. Review of Literature
- III. Methodology
- IV. Results and Discussion

