Abstract

This paper covers the basics of cloud computing, major challenges, need for new security models, and focuses on eye-gaze based authentication technique to secure the critical information stored on cloud. The paper provides an approach for implementation of gaze technology in cloud computing. The gaze-based authentication model involves the concepts of neural networks, Image processing, gaze estimation and feature detection along with the cryptographic concepts.
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**Index Terms**

Computer Science  Distributed Systems

**Keywords**

Cloud Computing  IaaS  Paas  Saas  Static  Dynamic  Gaze Estimation  Image Processing

Feature Detection
Hough Transform.