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.
- Phiri, J., Zhao, T., and Agbinya, J., Biometrics, device metrics and pseudo metrics in a multifactor authentication with artificial intelligence, 6th International Conference on Broadband and Biomedical Communications (IB2Com), 2011, pages 157-162
- Mei, Z., Liu, J., Li, Z., and Yang, L. Study of the eye-tracking methods based on video, Third International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN), 2011, pages 1-5.
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Index Terms

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Keywords

Cloud Computing Iaas Paas Saas Static Dynamic Gaze Estimation Image Processing

Feature Detection
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