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(57) Abstract :

The current invention discloses a cloud security gateway system designed to provide enhanced security authentication for accessing cloud-based services. It incorporates modules such as data collection, voiceprint generation, user interface, authentication, and feedback to create a comprehensive solution. The system collects and analyzes the user's voice in real-time, creating a distinctive voiceprint based on vocal traits. A secure database stores the voice biometric data, and the authentication module compares the user's voiceprint with the stored data to authenticate their identity. The user interface enables easy interaction and may provide feedback to improve authentication accuracy. With its integration with cloud services and compatibility with other authentication methods, this system offers a robust and user-friendly approach to ensuring secure access to sensitive data and applications in the cloud.

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