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**Comments on a secure dynamic ID-based remote user authentication scheme for multi-server environment using smart cards**

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**Abstract:** The security of a dynamic ID-based remote user authentication scheme for multi-server environment using smart cards proposed by Lee et al. [Lee, C-C., Lin, T-H., Chang, R-X., A Secure Dynamic ID based Remote User Authentication Scheme for Multi-server Environment using Smart Cards, Expert Systems with Applications (2011), doi: 10.1016/j.eswa.2011.04.190] is analyzed. Three kinds of attacks are presented in different scenarios

**Category / Keywords:** cryptographic protocols / Authentication, smart cards, dynamic ID, multi-server system, password, attack

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