



# **A Survey on Single Sign-On Mechanism for Multiple Service Authentications**

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*Abstract-Single sign-on(SSO) is a mechanism that uses a single action of authentication to permit an authorized user to access all related, but independent software systems or applications without being prompted to log in again at each of them during a particular session. Recently, some user identification schemes have been proposed for distributed computer networks. Unfortunately, most existing schemes cannot preserve user anonymity when possible attacks occur and those schemes are insecure. Based on the various cryptography techniques and methods there are few practical and secure single sign-on models are proposed. This survey paper provides an overview of a single sign-on scheme by presenting their features, functionality and benefits to analyze the security level. The objective is to make observations about how the security of this SSO scheme can be improved.*

**Keywords—Single Sign-On (SSO)**

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