

ABSTRACT

Identification of frequently encountered is in the form login using the username and password. From here there will be difficult to manage logins if a user has a different login for each application system, thus one has to memorize a lot of usernames and passwords.

Single Sign-On (SSO) is a facility that provides convenience for users who do log in when browsing on the internet. By using this method of SSO, each user only needs to have one username, one password. Users only need to login only once to be able to use all the existing facilities at the main web. Users do not need to memorize a lot of accounts, and do not need to repeatedly login. It can also facilitate the organization of the existing user data, because it uses a centralized storage of user data. CAS is used to handle the problem of communication between the web. LDAP is used as a directory service protocol, where all user data stored in LDAP.

From the analysis of the performance of single sign-on on the web. Server response time value is equal to 0.90 second, and in a second server capable of serving 110 requests from the user. This facility can serve up to 500 users who make requests simultaneously in one time to the server single sign-on. This is because the server's error response when serving 500 users is zero. While the server is the fastest time in the service user is 191ms and the longest time in the service user is 11864ms.

Keywords: authentication, single sign-on, web, LDAP