Abstract

Transaction data both sales and purchase information data online is very risky at the level of security, this due to absence of regulations that govern and guarantee transaction security. XMPP (Extensible Messaging and Presence Protocol) an open source application that can be used to convey transaction information in a chat, or called Instant Messaging. As a result of the insecurity of data transactions via chat, the author plans to conduct a system security audit on the XMPP protocol by testing the security of the system where the author attacks using the attack tree method on the specified XMPP platform and audits the severity of the attack results what the author did with the XMPP protocol. The objective to be achived is to be able conduct an audit to prove the security level of the XMPP protocol from the simulation of the attack to be carried out and audit the threats found and what assets were affected by the attack. Then the audit results obtained will recommend preventive measures from attacks that occur in the XMPP protocol based on the audit results obtained.

Keywords: XMPP, Server,Client, Attack