

ABSTRACT

In this modern era, online video conferencing applications are used as communication media, but the available applications are limited to a limited duration of use so that users are not free to use them. Jitsi is a collection of open source tools for the creation and deployment of video conferencing systems using the Web RTC protocol. Video Conference is a video conference activity that is carried out online by utilizing internet connectivity and computer devices with the help of a browser. Jitsi is installed on a Virtual Private Server equipped with an encrypted password authentication system to protect the conference room from the Man In The Middle cyber attack. The way Jitsi video conference works is that a server with Jitsi processes the Jitsi web application when it is accessed by users and provides meeting rooms and secures the entire Jitsi application with TLS encryption. the user starts the meeting by clicking start meeting. Users are required to enter authentication to host meetings and users can add a password as a condition of joining. Invited participants can access the meeting room with the link created and enter authentication if the meeting room has a password. The result of this final project is that the Jitsi video conference system on a Virtual Private Server is able to secure the conference room from Man In The Middle cyber attacks with authentication.

Keywords: Jitsi, Authentication, Online Video Conference, Man In The Middle