

The purpose of this work is to design and implement a Gatekeeper service (a server for H.323 RAS protocol) with an integrated H.323 proxy. Thesis includes also a H.323 RAS protocol tester that can act both as a server and a client. The application is implemented in the C++ language using OpenH323, PWlib and readline libraries and is designed to run as a daemon on the Linux operating system. Strict usage of the platform independent libraries provides the ability to run on other operating systems. Linux and FreeBSD were successfully tested but another Unices, Windows or MacOS X should be suitable as well.