

Installation and Performance Analysis of Asterisk on a wireless router

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Abstract

This paper presents the installation of OpenWRT Linux distribution and Asterisk on a Linksys WRT54GL wireless router. The testbed scenario includes two Windows XP computers running a traffic generation software called SIPp. This software is used for measuring the maximum call rate that can be supported by Asterisk running on a wireless router. The final goal of these tests is to evaluate whether an embedded device could support Asterisk VoIP PBX in a production environment and to determine the maximum number of calls per second supported.