

# Implementation of Asterisk Control Panel

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## ABSTRACT

In recent years, with the progress of high-speed Internet and Internet telephony technology, the Internet telephony (VoIP) and multimedia conferencing has become highly popular service. Asterisk is a popular IP telephone private branch exchange (IP-PBX) software implementation. It allows connecting various telephone services, such as a public switched telephone network (PSTN), and voicing over Internet Protocol (VoIP) services. Therefore, this paper implements an Asterisk control panel system. The proposed control panel is based on Asterisk.NET 1.6.3.1 package and developed by the programming language C # (Sharp). Unlike other control panel system in the market, the proposed system is a relatively low cost and flexible Windows Asterisk Control Panel. The proposed system is also available in multiple languages, such as Chinese Traditional, Chinese Simplified, and English. The proposed system can control Asterisk IP-PBX, such as to allow administrators easily monitoring the status of each extension. Its function includes call time display, transfer, senior staff involved in counseling, monitoring, queue and telephone conference room management.

Keywords : VoIP , Asterisk , Control Panel

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