

VoIP - Nowadays Gateway for a Better Unified Communication

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Abstract

The main aim of this research paper is to describe why VoIP is one of the most effective and in vogue technologies in today's communications industry. Having already achieved a positive impact worldwide, by its well-known advantages of the cost savings and high-quality of the voice applied on calls over a flexible voice-data network, the next step is to converge all voicemails, emails, software applications (updates, bills, new features) into one secure database for everyone, everywhere. We made a summarized classification of VoIP Services and an evaluation of QoS services and Security requirements by examining different VoIP scenarios.

Keywords: Communications, Voice, Sound-Quality, Threats, VoIP (Voice over Internet protocol), E2E QoS (End-to-End Quality of Service), PSTN (Public Switch Telephony Network), ISDN (Integrated Services Digital Network), Efficiency, NGN (Next Generation Network).

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