An Analytical Model for the Behavior of SIP, RSW, and H. 323 Messages and Session Time

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Over the last few years, many multimedia conferencing and Voice over Internet Protocol (VoIP) applications have been developed due to the use of signalling protocols in providing all types of chatting services between at least two participants. This paper compares between the behaviours of each of the widely used common signalling protocols; H.323 Protocol, Session Initiation Protocol (SIP), and Real-time SWitching Control Protocol in terms of the behaviour of the signalling and media messages, as well as the delay time during call setup, call teardown, and media sessions