

Title of the Tutorial

UNIFIED COMMUNICATIONS

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ABSTRACT

Unified communications (UC) uses Internet Protocol (IP) based approach for any form of communication – data, voice, video, and message. It supports many endpoints – IP phone, Soft phone, mobile phone, laptop/desktop etc. It is used within organizations for effective communication and collaboration.

UC can be delivered on premises or in the cloud. Besides networking infrastructure and equipments needed for data communication (Email, web browsing etc), IP PBX (IP Telephony system) needs to be setup. This requires call control server, IP phones/Soft phones, Voice mail system, and VoIP gateway etc. Gateways are needed for inter branch connectivity and interoperability with PSTN (Landline network)/PLMN (Public land mobile network).

Tutorial covers an overview of UC and protocols used in UC. It also covers real-world products developed by Cisco and Digium. Asterisk, a widely-used open source call control server, will also be covered. Some demo is planned.

Bio-Data

Prof Sitaram Yaji

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Biography : Prof Sitaram Yaji got his B.Tech degree in ECE from NITK Surathkal in 1982

- Got his M.E degree from IISc in 1985
- He has worked in industry for over 25 years
- DRDO, ISRO, ITI Ltd , Wipro Ltd, Cisco Systems (San Jose USA), and Cisco India
- After quitting Cisco India, he became freelance corporate trainer and did technical training for corporate engineers all over India for about six years
- Areas of interest include telecom, IP networking, VoIP/Unified Communications, Cellular core networks and embedded systems
- He has published papers in IEEE conferences and traveled to Singapore to present one paper
- He has a joint US patent
- Since May 2015 he has been working as Prof in ECE dept of NMIT Yelahanka, Bangalore

