



IT160: PBX/PABX Installation and Configuration

Training Description:

This intensive training course gives a practical understanding of IP PBX/PABX systems and covers the fundamentals of IP PBX/PABX implementation techniques. The participants will learn the skills necessary to design, install and maintain a robust IP-based PBX/PABX and VoIP network for premises or organization networks over LAN, WAN and VPN (Wires & Wireless) that would support standard phone services over traditional PSTN Network.

The course is designed to provide participants the opportunity of acquiring comprehensive practical experience and rare facts for effective standard IP PBX/PABX & VOIP communication project delivery. It covers the fundamentals of VoIP and SIP; the traditional enterprise networks, IP PBX system access mode and SIP proxy/server; the Virtual IP-PBX system; the step-by-step configuration and installation techniques; and addressing VoIP band width management issues including project documentation.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Apply and gain a comprehensive and practical knowledge on IP PABX
- ✓ Recognize the fundamentals of VoIP & SIP including VoIP & SIP networks and enterprise standards
- ✓ Discuss traditional enterprise networks, IP PBX system access mode and SIP proxy/server
- ✓ Identify Virtual IP-PBX system including IP phones/soft phones/USB phones/wireless and IP-PBX client premise equipment
- ✓ Carryout access configurations, internetworking including LAN, WAN, VPN integration and voice quality issues
- ✓ Explain step by step configuration and installation techniques and address VoIP band width management issues including project documentation

Training Designed for:

This course is intended for technical directors and managers, IT/telecom engineers & field integrators, network engineer/technicians, developers of enterprise VoIP networks, PBX/PABX communication engineers/technicians, ICT engineers/technicians/ICT consultants and young fresh graduates.

Training Program:

DAY ONE:

- ❖ PRE-TEST
- ❖ Introduction
- ❖ VoIP & SIP Fundamentals
- ❖ VoIP & SIP Networks Enterprise VoIP Standards
- ❖ Recap

DAY TWO:

- ❖ Traditional Enterprise Networks
- ❖ IP PBX System Access Mode
- ❖ SIP Proxy/Server
- ❖ Recap



DAY THREE:

- ❖ Virtual IP-PBX System 0930 - 0945
- ❖ IP Phones/Soft Phones/USB Phones/Wireless
- ❖ IP-PBX Client Premise Equipment
- ❖ Recap

DAY FOUR:

- ❖ Internetworking – LAN, WAN, VPN Integration
- ❖ Voice Quality Issues
- ❖ **Practical Sessions**
 - This hands-on and includes real-life case studies and exercises

DAY FIVE:

- ❖ Step by Step Configuration & Installation Techniques
- ❖ VoIP Bandwidth Management Issues
- ❖ Projects Documentation
- ❖ Recap
- ❖ Course Conclusion
- ❖ POST-TEST and EVALUATION

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request”.

Please note that the above topics can be amended as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

As per the course location - This rate includes participant’s manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.



Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:30	Recess (Prayer Break & Lunch)
13:30 - 15:00	Last Session

For training registrations or in-house enquiries, please contact:

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Training & Career Development Department