



Fundamentals of SIP-Based IP Telephony Technology (VoIP)

Virtual Class

ADTRAN University

Course Description

This one hour course will introduce students to the basic components of the primary VoIP signaling protocol, Session Initiation Protocol (SIP). Students will gain an understanding of this ASCII-based technology and how SIP is used to establish a VoIP call. Many of the key components including the various server and gateway functions will be discussed in this course. Upon conclusion of this course, ADTRAN's IP Telephony, IP PBX and Carrier-Class VOIP solutions will be introduced.

ADTRAN offers a full-feature LAN-WAN suite of Internetworking products. This course serves as a good introduction to other virtual classes that introduce ADTRAN's IP Telephony (VoIP) products.

For an in-depth and hands-on course, students are encouraged to enroll in the I&M (Installation & Maintenance) classes.

Course Content

- Application for VoIP
- Definition of SIP (Session Initiation Protocol)
- Components of SIP
 - Functions
 - Methods and Responses
 - Addressing
- ADTRAN's IP Telephony Solution
 - NetVanta 7100 - Office-in-a-box solution
- ADTRAN's Carrier-Class (Hosted) VoIP Solutions – NetVanta 1355 and the TA 900 series.

Prerequisites

- **OPTIONAL:** Fundamentals of Internetworking course

Who Should Attend

- End Users
- Operators
- System Engineers
- Value Added Resellers (VARs)
- Distributors
- Anyone who would like a better understanding of VPN Technology