# SIP: Protocol, Architecture and Design

## Description:

This course provides a review of SIP architecture including the components. It is designed for communications, systems or software engineers, technical or strategy managers charged with evaluating , designing or implementing security mechanisms, processes for SIPbased systems, applications or services.

## Objectives:

- To describe why SIP was adopted as a standard protocol for VoIP
- Assess the strengths and limitations of SIP versus other VoIP approaches and protocols
- Summarize the current applications and adopters for SIP
- List the key components of a SIP design and detail how they fit togetheList together
- Explain design considerations such as sizing , redundancy, disaster recovery and emergency planning
- Characterize when and how to apply particular features and components to your own design

## Course content:

- SIP overview
- Protocol Messages and Features
- SIP Devices and Systems
- SIP and VoIP System Planning and Design
- Future of multimedia protocols and applications

## Delivery type:

The training is scheduled for 2-3 days depending on audience background and options and is instructor led.
The day is divided in two modules of 3 hours each.