

# Diameter Protocol in Billing and Accounting Applications



## Who Should Attend?

This training is dedicated to engineers who want to learn about the use of the Diameter for billing and accounting.

## Course Scope

1. Accounting Principles
  - Offline Accounting
  - Online Accounting
2. Diameter introduction
  - Diameter Architecture
  - Diameter Agents: Relay, Proxy, Redirection & Translation
  - Diameter Message Structure
  - Diameter Peers and Peers Association
  - Diameter User Session
  - Diameter Accounting Session Concept
3. Detailed discussion on selected accounting Diameter Applications:
  - Gy
  - Rf, Ro
4. Policy & Charging Control concept and architecture
  - Charging Control vs Policy Control
  - PCC Logical Architecture; PCC in Roaming Scenarios. Functional Entities of PCC Architecture
  - PCC Rules. Definition, Content, Types of PCC Rules, Operations over PCC Rules
5. Detailed Discussion on PCC-related Diameter Applications
  - Gx, Rx
  - S9
  - PCC Signalling Flow Examples.
6. Q&A, Open Discussion.

## Prerequisites

None.

## Training Structure

Two-day training divided into logical sessions.

## Methodology

# Diameter Protocol in Billing and Accounting Applications



Instructor-led training, presentation, discussion. Analysis of signalling traces.