

Course Outline of Cisco ASR 5000 ePDG System Configuration (ePDG1D)

Day 1:

- Discussion: Course Objectives and Schedule
- Lesson 1: Getting Started with 4G Wi-Fi Offload
 - Client versus clientless devices
 - Trusted versus untrusted devices
 - ePDG and Wi-Fi infrastructure
 - Role of wireless LAN controller (WLC)
 - SSIDs and VLANs
 - EAP-based WLAN authentication
 - Portal-based WLAN authentication
 - Obtaining IP address of ePDG
 - Attachment to mobile packet core via the ePDG
- Lesson 2: Configuring the ASR 5000 as an ePDG
 - SWu interface
 - IPSec transforms and policies
 - DIAMETER AAA SWm interface
 - PMIP interface to PGW
 - ePDG service configuration
 - Role of DNS
- Lab: Configuring an ePDG
- Lesson 3: Monitoring and Troubleshooting ePDG Operation
 - Viewing subscriber sessions
 - Obtaining IPSec information and statistics
 - Examining the ePDG service
 - DIAMETER proxy operation on the ASR 5000
 - Viewing MAG service operation