Cisco Policy Suite Core Technologies for Mobile (CPSCTM) v4.0

What you’ll learn in this course
The Cisco Policy Suite Core Technologies (CPSCTM) v4.0 course provides you with the skills and knowledge needed to successfully deploy and implement a Cisco® Policy Suite data management software solution. The course covers mobility deployment in the Universal Mobile Telecommunications System (UMTS) and Evolved Packet Core (EPC) networks with Diameter protocol when using a previously installed CPSCTM Software Suite.

Course duration
- Instructor-led training: 5 days in the classroom with hands-on lab practice
- Virtual instructor-led training: 5 days of web-based classes with hands-on lab practice

How you’ll benefit
This course will help you:
- Successfully deploy and implement Cisco Policy Suite
- Understand the operations and maintenance of Cisco Policy Suite

Who should enroll
This course is designed for technical professionals who need to know how to deploy the Cisco Policy Suite:
- System engineers
- Technical support personnel
- Channel partners and resellers

How to enroll
- For instructor-led training, visit the Cisco Learning Locator.
- For private group training, visit Cisco Private Group Training.

Technology areas
- Wireless and Mobility

Objectives
After taking this course, you should be able to:
- Describe the Cisco Policy Suite landscape and general architecture
- Discuss the components used to manage subscribers
- Identify the core features and uses of Policy Builder
- Discuss Diameter use cases for mobility
- Discuss the operations and maintenance of Cisco Policy Suite
Prerequisites

Optional intro paragraph followed by:

- CCNA® or CCNP® certification or equivalent experience
- Linux OS fundamentals
- Working knowledge of RADIUS and Diameter
- Working knowledge of XML and XML namespaces
- Working knowledge of VMware
- Working knowledge of Cisco Gateway GRPS Support Node (GGSN) or Cisco Packet Data Network Gateway (PGW)

Outline

- Cisco Policy Suite Architecture
  - Cisco Policy Suite Introduction
  - Monitoring Cisco Policy Suite
- Subscriber Management
  - Using the Cisco Policy Suite Control Center GUI
  - Using Cisco Policy Suite APIs
- Module 3: Policy Builder
  - Examining Policy Builder
  - Custom Reference Data Tables
  - Executing Subversion Commands
- Module 4: Diameter Use Cases
  - Examining the Diameter Protocol
  - Configuring a Fair Usage Use Case
  - Exploring Roaming and the Online Charging Service
  - Configuring a Turbo Boost Use Case
  - VoLTE and Implementing a VoLTE Use Case
  - Supporting External Subscriber Profiles
- Module 5: Operations and Maintenance
  - Examining MongoDB
  - Performing Backup and Restore Operations
  - Installing Cisco Policy Suite Features
  - Examining Simple Network Management Protocol (SNMP)
  - Troubleshooting the Cisco Policy Suite
Lab outline

- Executing Commands from the Cisco Policy Suite Command Line
- Creating a Subscriber with Cisco Policy Suite Control Center
- Configuring a Subscriber by Using Cisco Policy Suite APIs
- Using the Cisco Policy Suite Policy Builder
- Using Subversion with the Policy Builder
- Enabling the Diameter Plug-in
- Creating a Use Case for the Fair Usage Service
- Creating a Use Case for the Turbo Boost Service
- Creating a Use Case for the VoLTE Service
- Executing Feature Installation and Backups
- Troubleshooting the Cisco Policy Suite