



Policy Charging and Rules Function (PCRF) using non-Sandvine PCEF

PCRF using non-Sandvine PCEF is a product course, aimed at network engineers and administrators responsible for implementing and maintaining network policy control systems.

COURSE OVERVIEW

This course provides instruction on deployment, configuration, and management of Sandvine's PCRF and service creation graphical user interface, ServiceDesigner, where the PCRF is used to make decisions that are enforced by a third-party PCEF. This course consists of a combination of lecture and hands-on lab exercises covering in-depth configuration of the PCRF server, using ServiceDesigner.

Objectives

In addition to ensuring that you understand Sandvine's PCRF solution, this course ensures that you:

- Learn how to use Control Center
- Understand the power and flexibility of ServiceDesigner
- Learn the interaction between Sandvine's PCRF (SDE) and a PCEF
- Review use cases, deployment models, and the ServiceDesigner interface
- Examine and have hands-on experience with the Gx server

Prerequisites

Basic knowledge of networking principles, 3GPP architecture

Course Duration

Three Days

Course Outline

Introduction to Sandvine

- High-level overview of Sandvine
- Introduction to Control Center
- Introduction to SandScript

Introduction and Overview

- High-level understanding of PCRF
- Overview of use cases, deployment models, and
- ServiceDesigner

Subscriber – Session and Usage Management

- Subscriber profile deployment models
- Subscriber attribute view
- Attribute definition types and customization functions
- CLI commands and alarms

Usage Management

- Configuring the usage server and Quota Manager
- Interaction with the PCRF
- Usage and provisioning
- Troubleshooting and reports
- Special use cases

Gx Server

- Gx workflows and actions
- Gx server and diameter configuration
- Gx server SandScript expressions

ServiceDesigner

- Overview and nomenclature
- Using ServiceDesigner
- ServiceDesigner rule engine and rules

SDE and PCRF High Availability PCRF Session Management

- Session flows, dictionaries, and attributes
- PCRF session functions, events, and lookup
- CLI commands and alarms

If you have any questions about Sandvine's Education Services or courses, contact learning@sandvine.com

ABOUT SANDVINE

Sandvine helps organizations run world-class networks with Active Network Intelligence, leveraging machine learning analytics and closed-loop automation to identify and adapt to network behavior in real-time. With Sandvine, organizations have the power of a highly automated platform from a single vendor that delivers a deep understanding of their network data to drive faster, better decisions. For more information, visit sandvine.com or follow Sandvine on Twitter at [@Sandvine](https://twitter.com/Sandvine).



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