

# Education Services:

## Policy Enforcement and Online Charging

This course explains how to deploy, configure and manage two of Sandvine's Usage Management product components: Policy Enforcement and Online Charging. It is a product course in the Education Services portfolio.

### COURSE OVERVIEW

Intended for operations, design and planning, and engineering personnel, this course is designed to meet the needs of network providers who are deploying Sandvine for usage management along with a Policy Charging and Rules Function (PCRF) and/or Online Charging System (OCS) and using standard interfaces of 3GPP. The course consists of a combination of lecture and hands-on lab exercises.

### OBJECTIVES

In addition to ensuring that you understand Sandvine's Gx and Gy solution at a high level, this course helps you:

- Understand the PTS interaction with a PCRF
- Understand the PTS interaction with an OCS
- Gain practical experience viewing Gx and Gy in action
- Monitor and troubleshoot Gx and Gy

### Prerequisites:

Sandvine Essentials Training

### Course Duration:

2 Days

### COURSE OUTLINE

<b>Introduction and Overview</b> <ul style="list-style-type: none"> <li>• High-level understanding of Policy Enforcement and Online Charging</li> <li>• Diameter overview &amp; configuration</li> </ul>	<b>Usage Monitoring over Gx</b> <ul style="list-style-type: none"> <li>• Session and rule-level monitoring</li> <li>• Hands-on labs with monitoring keys</li> </ul>
<b>Policy Enforcement (Gx)</b> <ul style="list-style-type: none"> <li>• Sample deployment</li> <li>• Understanding Gx messaging between PTS (PCEF) and PCRF</li> <li>• Installing and configuring policy enforcement on PTS</li> <li>• Defining and installing enforcement rules</li> <li>• Useful "show" commands</li> <li>• Hands-on configuration using PCRF simulator</li> </ul>	<b>Online Charging (Gy)</b> <ul style="list-style-type: none"> <li>• Sample deployment</li> <li>• Understanding Gy messaging between PTS (PCEF) and OCS</li> <li>• Installing and configuring online charging on the PTS</li> <li>• Defining rating groups and service IDs</li> <li>• How quota is handled, including various timers</li> <li>• Useful "show" commands</li> <li>• Hands-on configuration using OCS simulator</li> </ul>

## Next Steps

We have a comprehensive collection of courses, designed to help you get the most out of your Sandvine solutions.

- Network Analytics Operator
- Fairshare Traffic Management
- Policy Enforcement and Online Charging
- Policy Charging and Rules Function (PCRF)
- Quota Manager
- Record Generator

#### Advanced Courses:

- Advanced SandScript Writing
- Troubleshooting Sandvine

If you have any questions about Sandvine's Education Services or courses, contact [learning@sandvine.com](mailto:learning@sandvine.com)