



OVERVIEW

Course Level:

Introductory

Format:

Online, recorded

Prerequisites:

- Students must have a working knowledge of LAN technologies and topologies, the OSI reference model, and the function of network devices

On-Demand Learning Series

nGenius 2200/4200 Series Packet Flow Switch

Course Description

The On-Demand Learning Series is a set of recorded sessions that describe how to administer the nGenius® 2200/4200 Series Packet Flow Switch (PFS). Developed by NETSCOUT® University subject matter experts, each lesson outlines the key aspects of the nGenius 2204 and 4204 packet flow switches. The online, recorded format allows students to attend at their own convenience, 24/7. Students can start and stop the series at any time and return when time permits.

The series consists of three modules. Each module has three to five fifteen-minute (approximate) lessons dedicated to specific functionality in the PFS. A short testing section at the end of each module validates that students absorbed the important concepts in all of the lessons. Students who successfully complete the three exams earn the NCA (NETSCOUT Certified Associate) certification.

The course describes the capabilities of the nGenius packet flow switch and suggested applications for the PFS including optimizing performance management in your network. Everything that you need to know about setup and operation, including a physical overview and fine tuning settings for your environment, are presented.

Course Objectives

- Describe the physical architecture and purpose of the PFS
- Administer user and management access and permissions
- Configure TAP and SPAN connections
- Create and apply various filters including address, protocol, and application filters
- Load balance traffic and set up load balance groups
- Configure traffic flow based on VLAN tags
- Control protocol stripping and de-encapsulation
- Utilize triggers to direct and manage network traffic
- Interconnect PFS switches and ports to optimize redundancy capabilities

Course Syllabus:

Module One – System and Ports

- Lesson 1 – System and Information Pages
- Lesson 2 – Access Control
- Lesson 3 – Port Settings

Module Two – Base Features

- Lesson 1 – Base Features
- Lesson 2 – Creating Filters
- Lesson 3 – Filter Service Ports
- Lesson 4 – Load Balancing Fundamentals
- Lesson 5 – VLAN Tagging

Module Three – Advanced Features

- Lesson 1 – Conditional Slicing
 - Lesson 2 – Protocol De-encapsulation and Stripping
 - Lesson 3 – Port and Time Stamping
 - Lesson 4 – Triggers
 - Lesson 5 – Inline Tool Chaining
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Certification

Exam Code: PFS 2200/4200, v3.11

Format: Online, multiple choice

Availability: Worldwide, English

Exam Fees: Active MasterCareSM customers may register for and take the On-Demand Learning Series and corresponding exams for free

- **Enrollment** – All students who register for and successfully complete the On-Demand Learning Series are eligible to take the corresponding PFS 2200/4200, v3.11 certification exams.
- **Preparation** – The exams are designed to measure students' retention of key lesson objectives after completion of each module. Students are encouraged to pay close attention when they are listening to each lesson.
- **Procedure** – There is one exam for each of the three modules. After completing a module, students can take the exam for that module. Each exam has ten to fifteen multiple choice questions chosen from a larger pool of questions. For each test, a score of seventy percent is required to pass. If a candidate does not pass on the first try, two additional retakes are allowed.

For more information about NETSCOUT® University's Certification Program, please [click here](#) to access the program website.



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