Junos Unified Threat Management

Duration: 1 Days Course Code: JUTM

Overview:

This one-day course includes detailed coverage of Web filtering, antivirus (AV), antispam, and content filtering. Through demonstrations and hands-on labs, students will gain experience in configuring and monitoring the Unified Threat Management (UTM) features of the Junos operating system.

This course is based on the Junos OS Release 12.1X47-D30.4. Junos Unified Threat Management (JUTM) is an intermediate-level course.

Target Audience:

This course benefits individuals responsible for implementing and monitoring the UTM features available on branch SRX Services Gateways and J Series Services Routers.

Objectives:

- **After you complete this course you will be able to:**
- Describe the challenges that branch offices present to network managers.
- List the major features that UTM offers.
- Explain how each major feature addresses the challenges of the branch office.
- List the SRX Series Services Gateways hardware devices on which UTM is available.
- Describe the UTM features that require specific licenses.
- Define terms used in the creation of effective antispam UTM policies.
- Describe the process by which UTM examines traffic for spam.
- Describe the overall process of configuring an antispam UTM policy.
- Describe the kinds of information available from the device when it has detected spam.
- Describe how the AV process examines traffic.
- Describe the differences between full file-based AV versus express AV.
- Describe the settings that are required for configuring AV protection.
- Explain how these settings affect scanning performance and effectiveness.
- Describe options available for scanning supported protocols.
- List the general steps required to configure AV.
- Describe the statistical information available to verify AV functionality.
- Describe content and Web filtering and their purpose.
- List and describe each of the parameters used when configuring Web and content filtering.
- Describe in general terms the steps necessary to configure web and content filtering.
- Monitor Web and content filtering.

Prerequisites:

Students should have basic networking knowledge and an understanding of the Open Systems Interconnection (OSI) model and the TCP/IP protocol suite. Students should also have working knowledge of security policies.

Students should also attend the Introduction to the Junos Operating System (IJOS), Junos Routing Essentials (JRE), and Junos Security (JSEC) courses prior to attending this class.

Content:

Chapter 1: Course Introduction

Chapter 2: UTM Overview

- Branch Office Challenges
- UTM Feature Overview
- Design Basics
- Hardware Support
- Licensing of Features
- Lab 1: Initial Setup

Chapter 3: Antispam

- Antispam Terminology
- Overview of Antispam Process
- UTM Policy Overview
- Configuration Steps
- Monitoring Antispam
- Lab 2: Antispam

Chapter 4: Antivirus Protection

- Antivirus Terminology
- Overview of Antivirus Process
- AV Operation
- Full File-based AV Configuration
- Express AV Configuration
- Monitoring AV
- Lab 3: Antivirus

Chapter 5: Content and Web Filtering

- Overview and Terminology
- Configuration
- Verification and Monitoring
- Lab 4: Configuring Content Filtering and Web Filtering

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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