



**Course No:** (TWI-JUN-OJWX)  
**Length:** 2 days

### About this Course

Operating Juniper Networks WX Application Acceleration Platforms. This two-day, instructor-led course focuses on installation, configuration, troubleshooting, and operational analysis of the WAN Acceleration (WX) and WAN Acceleration Cache (WXC) platforms.

### Objectives

After successfully completing this course, you should be able to:

- Describe the elements of the WX Framework and the various WX and WXC platforms.
- Explain WX concepts such as communities, topologies, registration servers, and service tunnels.
- Perform initial configuration of the WX platform.
- Identify the various ways a WX platform can obtain routing information.
- Configure and troubleshoot compression and caching.
- Describe and configure the components of outbound QoS.
- Describe, configure, and troubleshoot Packet Flow Acceleration.
- Describe, configure, and troubleshoot Application Flow Acceleration.
- Describe and demonstrate the WX platform's monitoring capabilities.
- Upgrade WXOS software and maintain configuration files.
- View and save the system and access control logs.
- Export data and generate support files.
- Explain the capabilities of the WX CMS software.

### Intended Audience

This course is intended for network engineers, support personnel, reseller support personnel, and anyone responsible for implementing the WX and WXC product features covered in this course.

### Course Level

This is an intermediate-level course.

### Prerequisites

Prerequisites for this course include the following:

- Knowledge of TCP/IP, routing, and switching.
- Knowledge of WAN protocols such as MPLS and Frame Relay is helpful

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## Course Contents

Day1

### Chapter 1: Course Introduction

#### Chapter 2: WX Overview

- The WX Framework
- Product Overview
- WX Deployment

#### Chapter 3: WX Concepts

- WX Concepts

#### Chapter 4: Basic Installation

- Pre-installation and Configuration Considerations
- Installation Tasks
- Lab 1: Basic Installation

#### Chapter 5: Completing Initial Configuration

- WebView Operation
- Steps to Complete Initial Configuration
- Configuring a Backup Registration Server
- Confirming Service Tunnel Status
- Configuring the WX Platform's Main Features
- Lab 2: Completing the Initial Installation

Day 2

#### Chapter 6: Route Learning

- Viewing Routes
- Discovering Local Routes

#### Chapter 7: Compression

- Compression Concepts
- How Meta-Packets Are Used in Service Tunnels
- Compression and Caching
- Configuring Compression and Caching
- Configuring Endpoints for MSR: Part 1
- Troubleshooting
- Lab 3: Route Learning and Compression

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## **Chapter 8: Quality of Service**

- Overview
- Network Requirements
- WX Platform QoS Settings
- Using the Setup Wizard
- Using Direct Setup
- Lab 4: Quality of Service

## **Chapter 9: Packet Flow Acceleration**

- Overview of Packet Flow Acceleration
- Configuring Packet Flow Acceleration
- Troubleshooting Packet Flow Acceleration
- Lab 5: Packet Flow Acceleration

Day 3

## **Chapter 10: Application Flow Acceleration**

- Overview of AppFlow
- CIFS
- Exchange and MAPI
- HTTP
- Configuring AppFlow
- Troubleshooting
- Lab 6: Application Flow Acceleration

## **Chapter 11: Monitoring and Reporting**

- Overview
- WAN Reports
- Data Compression Reports
- QoS Reports
- Acceleration Reports
- Traffic Reports
- Summary Reports

## **Chapter 12: Operation and Maintenance**

- Security Features
- Changing the Registration Server
- SNMP and DNS Support
- WXOS Software Upgrades
- Logs and Syslog Support
- Network Tools
- Exporting Data and Generating Support Files
- Lab 7: Operation and Maintenance

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## **Chapter 13: WX Central Management System Software Overview**

- WX CMS Software Capabilities

## **Appendix A: Product Overview**

- Product Overview

## **Appendix B: Quick Setup for Past WXOS Releases**

- Quick Setup for Past WXOS Releases 5.1/5.2
- Quick Setup for Past WXOS Release 5.4.3

## **Appendix C: WXC Integrated Services Module 200 for J-series Services Routers**

- WX Concepts
- Installing the WXC ISM 200
- Initial Configuration of the WXC ISM 200
- Configuring Optimization Features of the WXC ISM 200