

COURSE OVERVIEW

This two-day course provides students the opportunity to develop the knowledge and skills required to configure, operate, monitor, and maintain Juniper® Paragon Active Assurance deployments. The goal of this course is to give students hands-on experience to effectively operate and maintain Paragon Active Assurance. Key topics include explanations of Paragon Active Assurance components and capabilities, test agent deployment options, network service testing and monitoring, and Paragon Active Assurance life-cycle management.

The course is based on Paragon Active Assurance 4.2.0.55 and Junos Release 23.2R1.13.

COURSE LEVEL

Intermediate

AUDIENCE

Networking operators, system engineers, DevOps personnel, and IT professionals who operate and maintain Paragon Active Assurance

PREREQUISITES

- Basic networking skills
- General understanding of Junos OS devices
- Basic routing knowledge
- Understanding of the OSI reference model and the TCP/IP protocol suite
- Completion of the [Introduction to the Junos Operating System](#) course or equivalent knowledge and experience

RELEVANT JUNIPER PRODUCTS

- ACX Series
- Junos OS
- MX Series
- Paragon Active Assurance
- PTX Series
- SRX Series

OBJECTIVES

- Operate and maintain Paragon Active Assurance.
- Test network services using Paragon Active Assurance.
- Monitor network service performance using Paragon Active Assurance.
- Integrate Paragon Active Assurance with external systems.
- Interact with Paragon Active Assurance using Network Configuration Protocol (NETCONF) and Yet Another Next Generation (YANG).
- Interact with Paragon Active Assurance using the Representational State Transfer (REST) API.
- Troubleshoot Paragon Active Assurance.

CONTACT EDUCATION SERVICES

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COURSE CONTENTS

DAY 1

1 Course Introduction

2 Paragon Active Assurance

- Explain Paragon Active Assurance components
- Deploy and register Paragon Active Assurance test agents
- Verify Paragon Active Assurance test agent registration

Lab 1: Paragon Active Assurance Test Agent Registration

3 Paragon Active Assurance Tests

- Explain Paragon Active Assurance test components
- Create Paragon Active Assurance test sequences
- Examine Paragon Active Assurance test results

Lab 2: Paragon Active Assurance Tests

4 Paragon Active Assurance Monitoring

- Explain Paragon Active Assurance monitoring
- Configure Paragon Active Assurance monitors
- Examine Paragon Active Assurance monitoring results

Lab 3: Paragon Active Assurance Monitors

DAY 2

5 Paragon Active Assurance Templates

- Explain Paragon Active Assurance templates
- Create Paragon Active Assurance templates
- Use Paragon Active Assurance templates

Lab 4: Paragon Active Assurance Templates

6 Paragon Active Assurance REST API

- Explain the Paragon Active Assurance REST API
- Use the Swagger REST API browser
- Examine Paragon Active Assurance REST API examples

Lab 5: Paragon Active Assurance REST API

7 Paragon Active Assurance Management

- Create Paragon Active Assurance inventory objects
- Manage Paragon Active Assurance accounts
- Use Paragon Active Assurance applications

8 Paragon Active Assurance Life Cycle Management

- Explain Paragon Active Assurance components and services
- Configure Paragon Active Assurance services
- Monitor Paragon Active Assurance
- Perform Paragon Active Assurance troubleshooting

SELF-STUDY MODULE

9 Paragon Active Assurance NETCONF and YANG

- Explain NETCONF and YANG
- Enable the Paragon Active Assurance NETCONF API
- Explain Paragon Active Assurance test agent orchestration

PAAW12152023