Gigamon Programmability and Automation for Network Visibility Engineers

Category: Networking & Security | **Vendor:** Various

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

In today's dynamic and complex network environments, effective visibility is paramount. Gigamon network engineers are tasked with deploying, managing, and optimizing the Gigamon Visibility and Analytics Fabric to ensure security, performance, and compliance. This course, "Gigamon Programmability and Automation for Network Visibility Engineers (GPNE)," empowers you to leverage automation and programmability to streamline workflows, enhance efficiency, and unlock the full potential of your Gigamon infrastructure.

This hands-on, instructor-led training provides a comprehensive introduction to the programmatic interfaces and tools available within the Gigamon ecosystem. You'll learn to automate routine tasks, integrate Gigamon with other network management systems, and develop custom solutions to meet your specific visibility needs. Through practical exercises and real-world scenarios, you'll gain the skills necessary to become a proficient Gigamon automation expert.

Benefits:

- Increase efficiency and reduce manual effort.
- Enhance network visibility and security.
- Improve operational agility and responsiveness.
- Develop valuable automation skills.
- Gain a competitive edge in managing Gigamon deployments.

This GPNE course will equip you with the essential skills to automate and program Gigamon deployments, enabling you to optimize your network visibility infrastructure and drive operational efficiency.

About This Course

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Who Should Attend

- Gigamon Network Engineers
- Network Security Engineers
- Network Operations Engineers
- System Administrators responsible for Gigamon deployments
- Individuals seeking to automate Gigamon workflows

Prerequisites & Entry Requirements

General Prerequisites:

- Basic understanding of networking concepts.
- Familiarity with Gigamon architecture and deployments.
- Basic understanding of scripting concepts (preferably Python).
- Basic understanding of API concepts.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Upon completion of this course, you will be able to:

- Understand the Gigamon API and its capabilities.
- Utilize scripting languages (e.g., Python) to interact with the Gigamon API.
- Automate Gigamon configuration and management tasks.
- Integrate Gigamon with other network management tools.
- Develop custom scripts for specific Gigamon use cases.
- Leverage Gigamon's RESTful APIs for programmatic access.
- Use tools like Postman to test API functionality.
- Understand and utilize Gigamon's automation features.
- Apply Infrastructure as Code (IaC) principles to Gigamon deployments.
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Detailed Course Outline

Introduction to Gigamon APIs:

- Overview of Gigamon's programmatic interfaces.
- Understanding RESTful APIs and their application to Gigamon.
- Authentication and authorization mechanisms.

Scripting with Python for Gigamon:

- Python fundamentals for network automation.
- Using Python libraries to interact with Gigamon APIs (e.g., Requests).
- Data parsing and manipulation (JSON, XML).

Automating Gigamon Configuration:

- Automating device configuration and management.
- Creating and deploying Gigamon policies programmatically.
- Automating Gigamon node deployment.

Integration with Network Management Tools:

- Integrating Gigamon with SIEM, SOAR, and other network monitoring tools.
- Developing custom integrations using APIs.
- Using webhooks to trigger external actions.

Advanced Automation Techniques:

- Developing custom Gigamon scripts for specific use cases.
- Using Gigamon's automation features for workflow optimization.
- IaC related concepts relating to Gigamon.

Troubleshooting and Best Practices:

- Debugging API interactions and scripts.
- Best practices for Gigamon automation and scripting.
- Security considerations for Gigamon automation.

Skills You Will Learn:

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Frequently Asked Questions

Q: What delivery options are available for Gigamon Programmability and Automation for Network Visibility Engineers?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 5-day Gigamon Programmability and Automation for Network Visibility Engineers course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Gigamon Programmability and Automation for Network Visibility Engineers training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Gigamon Programmability and Automation for Network Visibility Engineers?

Yes, we provide corporate training, dedicated training, and closed classes for Gigamon Programmability and Automation for Network Visibility Engineers. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Gigamon Programmability and Automation for Network Visibility Engineers, Gigamon Essentials, GPNE

Q: Why choose Nexus Human for Gigamon Programmability and Automation for Network Visibility Engineers?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Gigamon Programmability and Automation for Network Visibility Engineers training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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