

# Aruba Networks - Implementing Aruba Campus Switching Solutions, Rev. 17.41 (IACSS)

**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

This course teaches students how to implement and operate enterprise-level Aruba campus switching solutions. Hand-on labs gives students experience with ArubaOS-Switches, including securing access, redundancy technologies such as Multiple Spanning Tree Protocol (MSTP), link aggregation techniques including Link Aggregation Protocol (LACP) and switch virtualization with HPE's Virtual SwitchingFramework (VSF). Students will also learn to configure dynamic routing with Open Shortest Path First (OSPF) and Border Gateway Protocol (BGP), network optimization via Quality of Service (QoS), IP multicast routing leveraging Protocol Independent Multicast (PIM), and protecting the network using Access Control Lists (ACLs). This course is approximately 30% lecture and 70% hands on lab exercises.

## About This Course

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## **Who Should Attend**

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Typical candidates for this course are IT Professionals who will deploy and manage networks based on HPE's ArubaOS-Switches.

# Learning Outcomes

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

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Implement spanning tree protocol and loop protections

Ensure redundancy for a network's default gateway by configuring VRRP on Aruba switches

Implement and manage an VSF fabric

Deploy ArubaOS switches in single-area and multi-area OSPF systems

Use Internet Group Management Protocol (IGMP) to optimize forwarding of multicasts within VLANs

Implement PIM-DM to route multicast traffic

Establish and monitor BGP sessions between your routers and ISP routers

Define ACLs and identify the criteria by which ACLs select traffic

Configure ACLs on ArubaOS switches to select given traffic

Implement 802.1X on ArubaOS switch ports

Configure captive portal authentication on ArubaOS switches to integrate them with an Aruba ClearPass solution

Configure tunneled-node on ArubaOS switches

Configure ArubaOS switches to select traffic, apply the appropriate QoS marking, and place the traffic in the proper priority queues

Implement DHCP snooping and ARP protection to defend networks against DHCP exploits, ARP snooping, and ARP poisoning attacks

Implement the proper port security measures for various use cases

Implement connection rate filtering to provide a first layer of protection against viruses and worms

## Additional Course Details

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Nexus Humans Aruba Networks - Implementing Aruba Campus Switching Solutions, Rev. 17.41 (IACSS) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Aruba Networks - Implementing Aruba Campus Switching Solutions, Rev. 17.41 (IACSS) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

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## **Q: What delivery options are available for Aruba Networks - Implementing Aruba Campus Switching Solutions, Rev. 17.41 (IACSS)?**

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
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## **Q: How many CPD hours does this course provide?**

The 5-day Aruba Networks - Implementing Aruba Campus Switching Solutions, Rev. 17.41 (IACSS) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the Aruba Networks - Implementing Aruba Campus Switching Solutions, Rev. 17.41 (IACSS) training?**

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

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## **Q: Do you provide corporate training for Aruba Networks - Implementing Aruba Campus Switching Solutions, Rev. 17.41 (IACSS)?**

Yes, we provide corporate training, dedicated training, and closed classes for Aruba Networks - Implementing Aruba Campus Switching Solutions, Rev. 17.41 (IACSS). 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.

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## Q: Why choose Nexus Human for Aruba Networks - Implementing Aruba Campus Switching Solutions, Rev. 17.41 (IACSS)?

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


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## Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Aruba Networks - Implementing Aruba Campus Switching Solutions, Rev. 17.41 (IACSS) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

# Nexus Human

## Professional Training & Development

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