

Ethernet VLANs

HOLX8AAE (IPC_118)

HPE course number	HOLX8AAE
Course length	1 hour
Delivery mode	WBT
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As the communications industry transitions to wireless and wireline converged networks to support voice, video, data, and mobile services over IP networks, a solid understanding of Ethernet and its role in networking is essential. Ethernet is native to IP and has been adopted in various forms by the telecom industry as the Layer 1 and Layer 2 of choice. VLANs are used extensively in the end-to-end IP network and a solid foundation in IP and Ethernet has become a basic job requirement for the carrier world. Starting with a brief history, the course provides a focused basic level introduction to the fundamentals of Ethernet VLAN technology. It is a modular introductory course only on Ethernet VLAN basics as part of the overall eLearning IP fundamentals curriculum. The course includes a pre-test and a post-test.

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Audience

This course is intended for those seeking a basic level introduction to Ethernet Bridging.

Course objectives

After completing this course, the student will be able to:

- Identify Ethernet VLAN applications and benefits
- Summarize the key variations of the Ethernet family of standards to support VLANs
- Identify the key types of Ethernet VLANs
- Describe VLAN Trunks and their purpose
- Define Ethernet VLANs

Detailed course outline

Module 1: Virtual Local Area Networks (VLANs)

Module 2: VLAN Application and benefits

Module 3: Default VLAN

Module 4: Multiswitch VLANs: Trunks and tagging

Module 5: Summary

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