

Ethernet Basics

HOLX7AAE (IPC_119)

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| HPE course number | HOLX7AAE |
| 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 communication industry. A solid foundation in IP and Ethernet has become a basic job requirement in the industry. Starting with a brief history, the course provides a focused basic level introduction to the fundamentals of Ethernet technology. It is a modular introductory course only on Ethernet basics as part of the overall eLearning IP fundamentals curriculum.

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Audience

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

Course objectives

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

- Define Ethernet
- Summarize the key variations of the Ethernet family of standards
- Discuss Ethernet addressing and frame structure
- Discuss Ethernet services offered by carriers

Detailed course outline

Module 1: Ethernet Defined

Module 2: Ethernet Standards

Module 3: Ethernet Addressing and Frame Structure

Module 4: Carrier Ethernet

Module 5: Summary

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