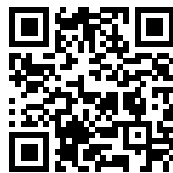**Networking Academy**
CISCO

Certificate of Course Completion

lucas muller

has successfully achieved student level credential for completing the **Networking Devices and Initial Configuration** course.

The student was able to proficiently:

- Explain components of a hierarchical network design.
- Calculate numbers between decimal, binary, and hexadecimal systems.
- Explain how Ethernet operates in a switched network.
- Calculate an IPv4 subnetting scheme to efficiently segment a network.
- Explain how ARP enables communication on a local area network.
- Explain how DNS and DHCP services operate.
- Compare the operations of transport layer protocols in supporting end-to-end communication.
- Use the Cisco IOS and build a simple computer network using Cisco devices.

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Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

January 12, 2025