

## NetVanta 1560 (*Instructor-led Training*)

Part Number: 1600NETVGSE

This course is designed for those students who will be designing, implementing, and supporting solutions using the NetVanta 1560 Series of enterprise-class, fully managed Gigabit Switches. This course will include interactive lectures as well as lab exercises presented through our virtual lab environment. Integrated lab exercises are designed to reinforce the class content with installation, configuration, and troubleshooting procedures. After completion of the course, the student should be able to install and maintain the ADTRAN NetVanta 1560. **To enroll, go to [www.adtranuniversity.com](http://www.adtranuniversity.com).**

### Course Content

- NetVanta 1560 Introduction
- Switching Basics
- L2 CPE Network Features
- L2 Carrier Network Features
- L3 Switching
- Deployment Scenarios and Configurations
- APPENDIX: Additional Resources
- APPENDIX: Configurations

### Prerequisites

none

### Course Length

Duration – 2 days

### Course Price

\$900

### Who Should Attend

- End Users
- System Engineers
- Network Engineers
- Value Added Resellers
- Distributors

## Full Agenda for Netvanta 1560 Training

- NetVanta 1560 Introduction
  - Different Switches
  - Operating System
  - Where it fits in ADTRAN's product portfolio
- Switching Basics
  - Accessing the Switch
  - Default Config
  - Creating VLANs
  - Creating VLAN Interfaces
  - Setting up DHCP
  - PoE
    - PoE Commands
  - Show Command for Basic Troubleshooting
  - Management
    - Console, Telnet, SSH
    - S-Flow
    - N-Command
    - Syslog
  - Securing Access
    - AAA/Radius
    - Etc.
  - NetVanta 1560 & n-Command MSP
  - Switch Utility Features
    - Cable Diagnostics
    - Ping
    - Telnet
    - DHCP
  - HW ACLS
- L2 CPE Network Features
  - Spanning Tree
  - SNTP/NTP
  - LLDP
  - LACP
  - Class of service / QOS
- L2 Carrier Network Features
  - SFPs
  - ERPS
    - ERPS w/ T5K
    - ERPS w/ Non-ADTRAN devices
  - Q-in-Q
  - Double Tag
  - Traffic Control
    - Policing
    - Shaping
  - Y.1731/OAM

- L3 Switching
  - IPv4
  - IPv6
  - L3 Switches primer
- Deployment Scenarios and Configurations
  - Small Office/ CPE Network no voice
  - Small Office- Voice VLAN
  - Small Office – Wireless, Voice
  - ERPS Ring
  - GPON SFP
- APPENDIX: Additional Resources
  - ADTRAN.Com
  - Supportforums.com
- APPENDIX: Configurations
  - Deployment Scenarios Configs