

Barracuda SD-WAN Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Barracuda SD-WAN Training by Multisoft Systems is designed to help IT professionals, network engineers, and security administrators build expertise in software-defined wide area networking and secure enterprise connectivity. The training provides in-depth knowledge of Barracuda SD-WAN architecture, deployment strategies, WAN optimization, centralized network control, VPN configuration, and cloud connectivity solutions used in modern enterprise environments.

Module 1: Introduction to SD-WAN and Barracuda Solutions

- ✓ Overview of Traditional WAN vs SD-WAN
- ✓ Introduction to Barracuda SD-WAN
- ✓ SD-WAN Architecture and Components
- ✓ Benefits of Software-Defined Networking
- ✓ Enterprise Networking Challenges
- ✓ Use Cases of Barracuda SD-WAN
- ✓ SD-WAN Deployment Models

Module 2: Networking Fundamentals

- ✓ TCP/IP Fundamentals
- ✓ OSI Model and Networking Concepts
- ✓ LAN, WAN, and VPN Technologies
- ✓ Routing and Switching Basics
- ✓ Network Address Translation (NAT)
- ✓ DNS and DHCP Concepts
- ✓ Network Security Basics

Module 3: Barracuda SD-WAN Architecture

- ✓ Barracuda SD-WAN Components
- ✓ Edge Appliances and Controllers
- ✓ Centralized Management Concepts
- ✓ Network Topology Design
- ✓ High Availability Architecture
- ✓ Cloud and Hybrid Network Integration
- ✓ Application-Aware Networking

Module 4: Installation and Initial Configuration

- ✓ Barracuda SD-WAN Deployment Planning

- ✓ Appliance Installation and Setup
- ✓ Initial Configuration Procedures
- ✓ Device Registration and Licensing
- ✓ WAN Interface Configuration
- ✓ LAN Connectivity Setup
- ✓ Administrative Access Management

Module 5: VPN Configuration and Secure Connectivity

- ✓ Site-to-Site VPN Configuration
- ✓ IPsec VPN Concepts
- ✓ Secure Branch Connectivity
- ✓ VPN Policies and Authentication
- ✓ Remote User Connectivity
- ✓ Encryption and Security Best Practices
- ✓ VPN Troubleshooting Techniques

Module 6: WAN Optimization and Traffic Management

- ✓ WAN Optimization Techniques
- ✓ Application-Aware Routing
- ✓ Traffic Shaping and Prioritization
- ✓ Quality of Service (QoS) Configuration
- ✓ Bandwidth Management Policies
- ✓ Link Load Balancing
- ✓ Dynamic Path Selection

Module 7: Security and Firewall Integration

- ✓ Firewall Fundamentals
- ✓ Security Policies Configuration
- ✓ Threat Protection Concepts
- ✓ Access Control Rules

- ✓ Intrusion Prevention Features
- ✓ Secure Internet Breakout
- ✓ Network Segmentation

Module 8: Cloud Connectivity and Hybrid Networking

- ✓ Cloud Networking Fundamentals
- ✓ SD-WAN for Multi-Cloud Environments
- ✓ Integration with AWS and Azure
- ✓ SaaS Application Optimization
- ✓ Hybrid WAN Connectivity
- ✓ Secure Cloud Access
- ✓ Cloud Traffic Monitoring

Module 9: Centralized Management and Monitoring

- ✓ Barracuda Centralized Dashboard
- ✓ Real-Time Network Monitoring
- ✓ Network Analytics and Reporting
- ✓ Device Health Monitoring
- ✓ Alert and Notification Configuration
- ✓ Log Management
- ✓ Performance Optimization Techniques

Module 10: High Availability and Redundancy

- ✓ High Availability Concepts
- ✓ Failover and Redundancy Configuration
- ✓ Dual WAN Setup
- ✓ Disaster Recovery Planning
- ✓ Business Continuity Strategies
- ✓ Network Resilience Techniques
- ✓ Redundant Connectivity Management

Module 11: Troubleshooting and Performance Tuning

- ✓ Troubleshooting Methodologies
- ✓ Connectivity Issue Resolution
- ✓ VPN Troubleshooting
- ✓ WAN Performance Analysis
- ✓ Packet Flow Monitoring
- ✓ Diagnostic Tools and Utilities
- ✓ Best Practices for Network Optimization

Module 12: Real-Time Projects and Case Studies

- ✓ Enterprise SD-WAN Deployment Scenarios
- ✓ Branch Office Connectivity Projects
- ✓ Cloud Integration Case Studies
- ✓ Secure Remote Access Implementation
- ✓ WAN Optimization Use Cases
- ✓ Network Security Configuration Projects
- ✓ End-to-End SD-WAN Implementation Practice

Module 13: Best Practices and Industry Use Cases

- ✓ Enterprise Deployment Best Practices
- ✓ SD-WAN Security Guidelines
- ✓ Scalability and Performance Planning
- ✓ Compliance and Governance Considerations
- ✓ Industry-Specific SD-WAN Applications
- ✓ Future Trends in SD-WAN Technologies
- ✓ Career Guidance and Certification Preparation