



BSA Course Overview

OVERVIEW

The BridgeWave System Administrator (BSA) course is the third module in the online technical eCertification program. This course focuses on the configuration and network management aspects of FE, GE, AR, BW, and SLE100 product models.

OBJECTIVES

At the end of this course students will understand how to perform initial system configurations, advanced feature configurations, software upgrades, licensed feature upgrades, and integrate the systems with SNMP, RADIUS, and SysLog.

INTENDED AUDIENCE

This course is primarily focused towards the system administrator who will be configuring a monitoring a network of BridgeWave elements. However, this course should be considered by all personnel who will be involved in the installation and design phases of product implementation.

ESTIMATED TIME REQUIRED

This is a self-paced course that consists of a “57” minute video presentation followed by a brief certification test. Total time for completion is estimated to be around “1.5” hours.

PREREQUISITES

- First complete the BridgeWave Product Introduction(BPI) and BridgeWave System Installer (BSI) courses. (Recommended)
- Understand basic networking concepts and ability to configure IP address settings on a PC for connectivity to equipment.

REQUIREMENTS

- Broadband Internet access
- PC with web browser Firefox or Internet Explorer (IE Recommended)
- Adobe Acrobat Reader for opening and viewing course content
- Ability to print handouts or presentation material which are typically provided in .pdf format. (Optional)
- Latest Adobe Flash plugin for viewing the video presentation.



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COURSE OUTLINE

Student Workbook

- A .pdf copy of the BSA video slides with documented speaker narrations.

Section 1 - BSA Video (57 min)

- System Overview
 - System Diagram
 - Internal Switch Layout
 - In-Band vs. Out of Band
 - In-Band Applications
 - Out of Band Applications
- Connecting to Web Interface
 - Accessing the Management Agent
 - Web Menu Overview
- Initial Configuration
 - Configuring IP Address Settings
 - Enabling HTTPs
 - Performing an Auto Calibration
 - Verify Calibration Results
 - Disable Installation Auto-Calibration

SERVICES



BridgeWave

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BSA Course Overview

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- AR Rate Setup
- Fiber Interface Configuration
- Configure In-Band or Out of Band
- User Accounts & Security
 - User Level Descriptions
 - Setting Passwords
 - Enhanced Security Options
- Status & Statistics
 - Status Page Overview
 - Statistics Page Overview
- Advanced Feature Configuration
 - AdaptPath Overview and Config
 - AdaptSwitch Overview and Config
 - Synchronous LSP Overview and Config
 - Testing LSP
- Radius, SNMP, and SysLog
 - Feature Overviews
 - Configuration Procedures
- Performing Software Upgrades
 - Software Components





BSA Course Overview

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- Upgrade and Downgrade Timers
- Obtaining the Latest Software
- Upgrade Procedure
- Configuration File Management
 - Backing up a Configuration
 - Editing a Configuration File
 - Restoring a Configuration File
- System Restarts
 - Soft Restart and Hard Restart
- Configuring AES Encryption
 - Configuring AES
 - AES Status & Troubleshooting
- Software License Options
 - Software License Overview
 - Obtaining License Upgrades
 - Installing AES Licenses on SLE100
 - Installing BW Upgrade License
- Checking for Interference
 - Performing a TX Mute
- IP Address & Password Recovery





BSA Course Overview

- Gratuitous ARP
- Performing a Hard Reset
- Making Your Own Reset Cable
- Obtaining Additional Assistance
 - Contacting Support
 - eService Center

Section 2 – BSA Certification Test

- Online, self-paced, open book test

Section 3 – Certificate of Completion

- Available upon completion of video and achieving 85% or higher on the test
- Downloadable .pdf certificate (serialized for authenticity)

Section 4 – Course Survey (Optional)

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