# Web OS Switch Software

# BBI Quick Guide

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Alteon WebSystems
Intelligent Webworking™

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# Preface

Web OS Browser-Based Interface (BBI) software is included in the Alteon WebSystems family of Web switches. The BBI software lets you use your Web-browser to access switch information and statistics, and to perform switch configuration via the Internet.

This *Quick Guide* provides an overview of how to access and use the Web OS BBI.

## Who Should Use This Book

This *Quick Guide* is intended for network installers and system administrators engaged in configuring and maintaining a network. It assumes that you are familiar with your Alteon WebSystems Web switch, your Web-browser, Ethernet concepts, IP addressing, the IEEE 802.1d Spanning-Tree Protocol, and SNMP configuration parameters.

## Related Documentation

For documentation on installing the switch physically, see the *Hardware Installation Guide* for your particular switch model.

For details about the switch information, statistics, and configuration parameters available using the Web OS BBI, see the *Web OS Command Reference* and *Web OS Application Guide*.

These manuals should have accompanied your Alteon WebSystems switch.

# Typographic Conventions

The following table describes the typographic styles used in this book.

**Table 1** Typographic Conventions

| Typeface or Symbol | Meaning | Example |
|---|---|---|
| `AaBbCc123` | This type is used for names of commands, files, and directories used within the text. | View the `readme.txt` file. |
| | It also depicts on-screen computer output and prompts. | `Main#` |
| **`AaBbCc123`** | This bold type appears in command examples. It shows text that must be typed in exactly as shown. | `Main# sys` |
| *AaBbCc123* | This italicized type appears in command examples as a parameter placeholder. Replace the indicated text with the appropriate real name or value when using the command. | To establish a Telnet session, enter: `host# telnet` *IP-address* |
| | This also shows book titles, special terms, or words to be emphasized. | Read your *User's Guide* thoroughly. |
| [ ] | Command items shown inside brackets are optional and can be used or excluded as the situation demands. Do not type the brackets. | `host# ls [-a]` |

# Contacting Alteon WebSystems

Use the following information to access Alteon WebSystems support and sales.

- URL for Alteon WebSystems Online:

  `http://www.alteonwebsystems.com`

  This website includes product information, software updates, release notes, and white papers. The website also includes access to Alteon WebSystems Customer Support for accounts under warranty or that are covered by a maintenance contract.

- E-mail access:

  `support@alteon.com`

  E-mail access to Alteon WebSystems Customer Support is available to accounts that are under warranty or covered by a maintenance contract.

- Telephone access to Alteon WebSystems Customer Support:

  1-888-Alteon0 (or 1-888-258-3660)
  1-408-360-5695

  Telephone access to Alteon WebSystems Customer Support is available to accounts that are under warranty or covered by a maintenance contract. Normal business hours are 8 a.m. to 6 p.m. Pacific Standard Time.

- Telephone access to Alteon WebSystems Sales:

  1-888-Alteon2 (or 1-888-258-3662), and press 2 for Sales
  1-408-360-5600, and press 2 for Sales

  Telephone access is available for information regarding product sales and upgrades.

CHAPTER 1

# Getting Started

This chapter briefly describes the software features and requirements for the Web OS Browser-Based Interface (BBI), and explains how to access the Web OS BBI start page.

## Features

The network administrator can access all switch configuration and monitoring functions through the Web OS BBI, a Web-based switch management interface. The Web OS BBI has the following features:

- All of the same configuration and monitoring functions as the command-line interface
- Intuitive and easy-to-use interface structure
- Nothing to install; the Web OS BBI is part of the Web OS switch software
- Two levels of password protection
- Can be upgraded as future software releases are available

## Requirements

- Alteon 180 series, Alteon AD2/AD3/AD4, or Alteon 700 series Web switches
- Installed Web OS switch software
- PC or workstation with network access to the switch
- Frame-capable Web-browser software, such as the following:
  - Netscape Navigator 3.0x or higher
  - Internet Explorer 3.0x or higher
- JavaScript enabled in your Web-browser

# Switch Set Up

Before you can access the Web OS BBI, minimal configuration is required on the switch.

## IP Interfaces

At least one IP interface must be configured on the switch. This is usually done from the command-line interface during first-time switch set up. Each IP interface address provides a point of access for Web OS BBI switch management.

For complete information about configuring IP interfaces, see your *Web OS Command Reference* manual.

## Enabling/Disabling BBI Access

By default, Web OS BBI access is enabled. If you need to disable or re-enable access, use one of the following commands from the command-line interface (depending on the Web OS software version):

Web OS Release 5.x and 8.x

```
>> Main# /cfg/sys/http <disable|enable (or just d|e)>
```

Web OS Release 7.x

```
>> Main# /cfg/sys/web <disable|enable (or just d|e)>
```

For more information on the accessing and configuring the switch through the command-line interface, see your *Web OS Command Reference* manual.

# Web-Browser Set Up

Most modern Web-browsers work with frames and JavaScript by default, and require no additional set up. However, you should check your Web-browser's features and configuration to make sure frames and JavaScript are enabled.

**NOTE –** JavaScript is not the same as Java. Please make sure that JavaScript is enabled in your Web-browser.

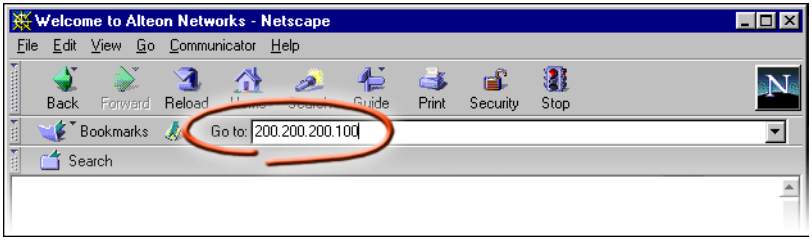
# Starting the Web OS BBI

When the switch and browser set up is done, follow these steps to launch the Web OS BBI:

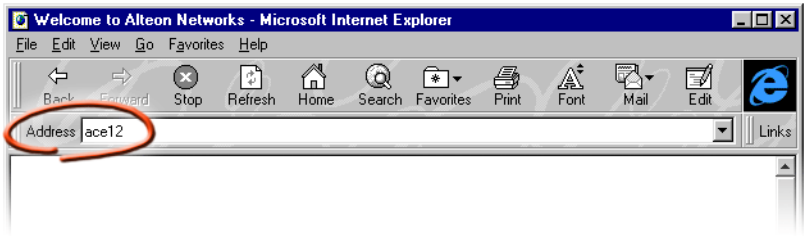
1. **Start your Web-browser.**

2. **Enter the switch IP interface address in the Web-browser's URL field.**

   For example, consider an IP interface with a network IP address of 200.200.200.100. Using Netscape Navigator, you could enter the following:

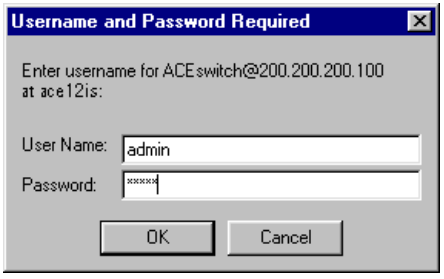



   If the IP interface's address has a name on your local domain name server, you could enter the name instead. For example, with Internet Explorer, you could enter the following:




3. **Log in to the switch.**

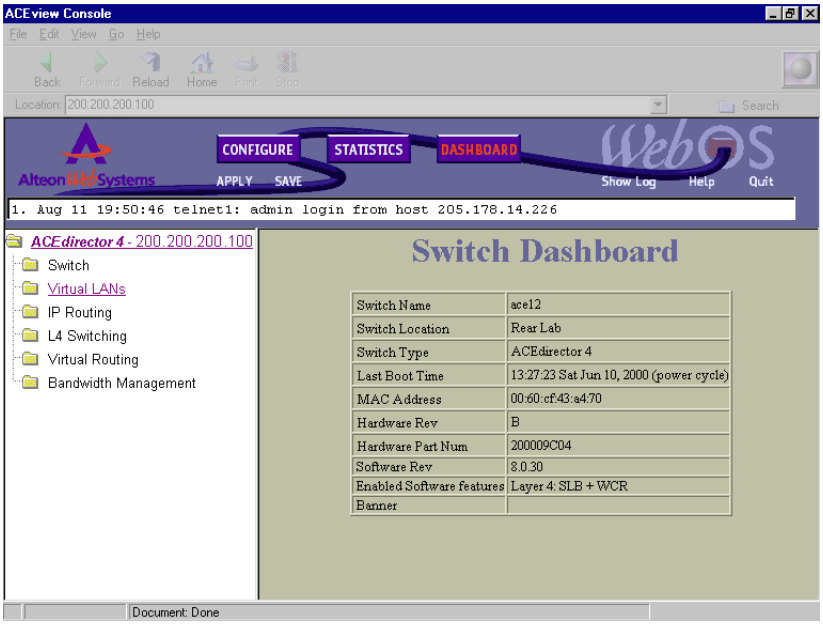
   If your switch and browser are properly configured, you will be asked to enter a password:




   Enter the account name and password for the switch's administrator or user account. For more password information, see your *Web OS Command Reference* manual.

**4. Allow the Web OS Dashboard page to load.**

When the proper account name and password combination is entered, the Web OS BBI Dashboard page is displayed in your browser's viewing area:

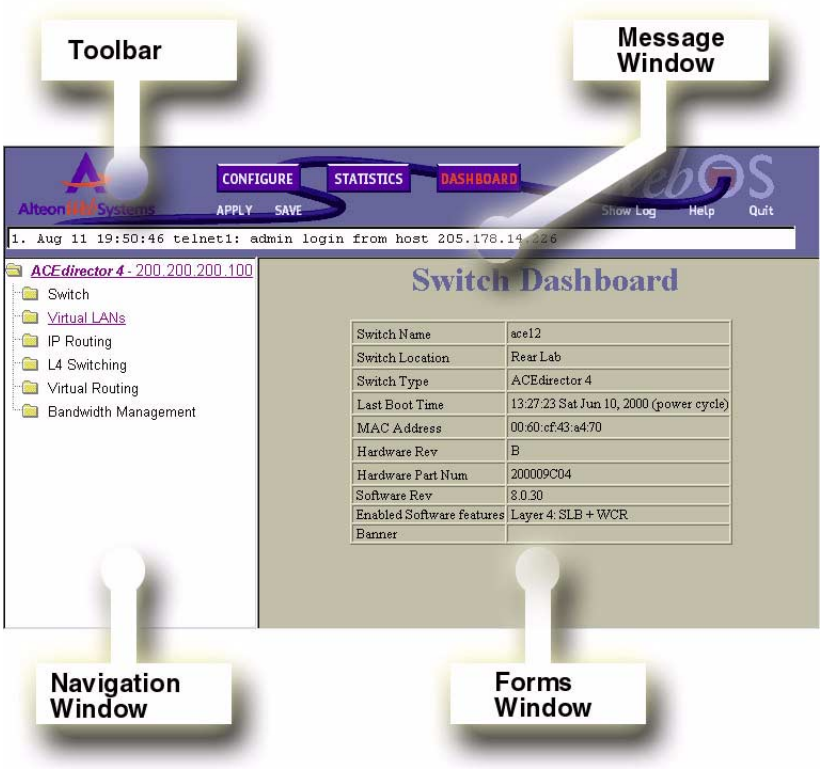



**NOTE –** There may be a slight delay while the Dashboard page is being initialized. You should not stop the browser while loading is in progress. When loading is complete, a folder icon will appear in the left-hand Web OS BBI window.

CHAPTER 2

# Web OS BBI Basics

Once you are properly logged in, the Web OS BBI appears in your Web-browser's viewing window:




There are four main regions on the Web OS screen:

- The toolbar is used for selecting the context for your actions in the other windows.
- The navigation window is used for selecting particular items or features to act upon.
- The forms window is used for viewing or altering switch information.
- The message window is used for displaying the 10 latest switch `syslog` messages and events.

# Toolbar

## Context Buttons

The toolbar is used for setting the context for your actions in the application. There are three context buttons:

| | |
|---|---|
| **Configure** | When selected, you can access the switch configuration forms. Configuration forms can be altered only if you are logged in using the administrator account. Select an item in the navigation window to display the desired configuration form in the forms window. |
| **Statistics** | When selected, you can view information about switch performance. Select an item in the navigation window to display the desired statistics in the forms window. |
| **Dashboard** | This context button is selected by default when the Web OS BBI is first activated. When selected, basic switch information and status can be viewed in the forms window. Select an item in the navigation window to display the desired dashboard information in the forms window. |

When a context icon is selected, the button will be highlighted as a reminder of the current context mode.

## Commands

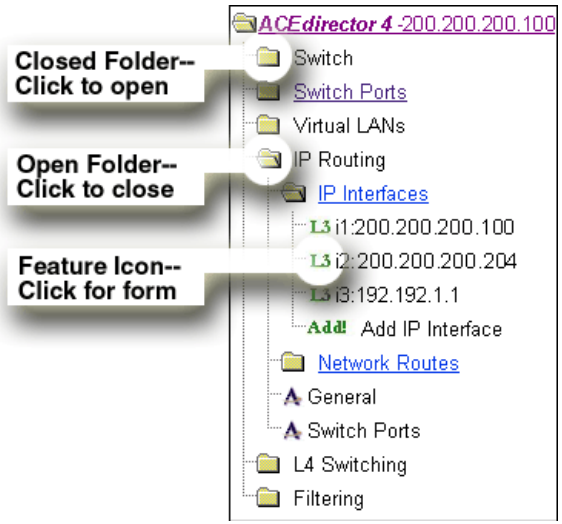
The following general commands are available on the toolbar:

| | |
|---|---|
| **Apply** | Pending configuration changes do not take effect until the Apply command is selected. Once applied, all changes (except enabling/disabling Spanning-Tree Protocol) take effect on the switch immediately. If you do not save the changes, however, they will be lost the next time the switch is rebooted. |
| **Save** | Writes applied configuration changes to non-volatile flash memory on the switch. |
| **Help** | Opens a new Web-browser window for displaying the basic online help information. Close the help browser when finished. |
| **Show Log** | Opens a new Web-browser window for displaying the 10 most recent switch log messages. Close the log browser when finished. |
| **Quit** | Log off the switch and exit the Web OS BBI. |

# Navigation Window

The navigation window is used for selecting a particular switch feature to act upon. Status, statistics, or configuration forms for the selected item will appear in the forms window, depending on the context chosen on the toolbar.

The navigation window contains a tree of folders, sub-folders, and feature icons:




You can click on any closed folder to open it and reveal its contents. Click on any open folder to close it. Click on any feature icon to load the appropriate status, statistics, or configuration form in the forms window.

Some folders also have forms. If the name of the folders is underlined, click on the name to display the appropriate form.

# Forms Window

When a feature icon is selected on the navigation window, a status, statistics, or configuration form is displayed in the forms window. The exact nature of the form depends on the current context selected on the toolbar, as well as the type of information available. Not all feature icons have forms for all contexts.

Some forms display switch information such as settings, status, or statistics. Others allow you to make configuration changes to switch parameters.

# Message Window

Switch log messages are generated by events such as login/logout activity, password changes, configuration changes, and switch reboot. The Web OS BBI records the ten most recent messages and displays each one briefly in the message window. When the tenth message has been displayed, the cycle is repeated.

To view all ten messages at the same time, select the Show Log command on the toolbar. A new Web-browser window will be opened to display the log information. Close the window when finished.

For a list of `syslog` messages, see your *Web OS Command Reference* manual.

CHAPTER 3

# Configuring the Switch

The Web OS BBI can be used to view and change switch configuration parameters. The same configuration parameters that are available through the switch's command-line interface are present on the Web OS BBI configuration forms.

The following provides a basic outline for switch configuration. You should first be familiar with configuration as covered in the *Web OS Command Reference* manual.

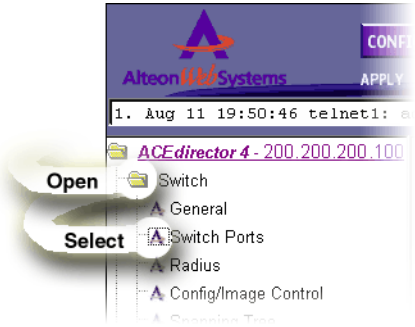
**NOTE –** You must be logged in using the administrator account in order to change switch configuration settings.

## Configuration Steps

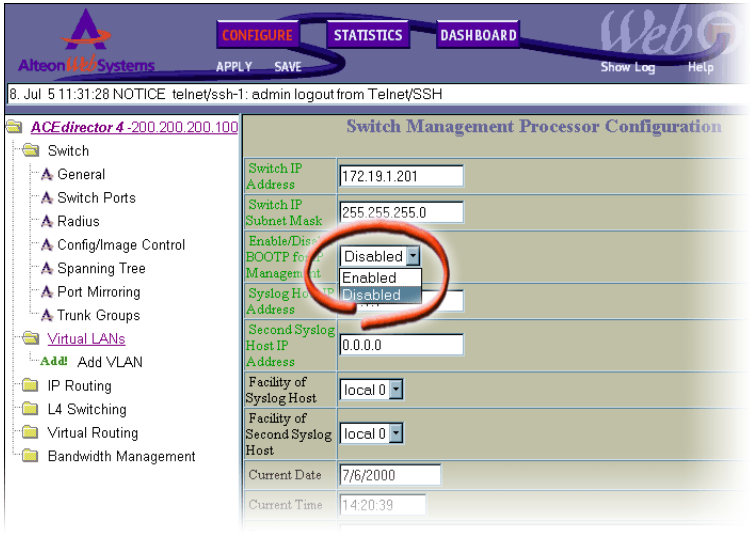
Follow these basic steps for viewing or configuring switch parameters:

1. **Select the Configure context button in theWeb OS toolbar:**

2. **Select a feature icon in the navigation window. For example:**



3. **View or make changes to the settings shown in the forms window. For example:**




**NOTE –** Fields which must be configured for proper switch operations are highlighted on the forms in GREEN type. Items which load other forms when selected are underlined.

4. **Submit, reset, or delete the form contents using buttons on the bottom of the form.**

| | |
|---|---|
| **Submit** | When selected, the form sent to the switch. Any configuration changes are placed in the "pending" state and do not take effect until the toolbar Apply command is given. |
| **Reset** | When selected, the form fields are reset to their last submitted values. |
| **Delete** | This button is available for configuration items that can be deleted. When selected, the featured item is slated to be removed from the switch configuration database. The item is not actually deleted, however, until the toolbar Apply command is given. |

5. **Apply and save your changes using the toolbar commands.**

Pending configuration changes (including deletions) do not take effect until the Apply command is selected.

Applied changes take effect on the switch immediately, but will be lost the next time the switch is rebooted unless the Save command is selected.

CHAPTER 4

# Viewing Statistics

The Web OS BBI can be used to view a variety of switch performance statistics. The same statistics that are available through the switch's command-line interface are present on the Web OS BBI statistics forms.

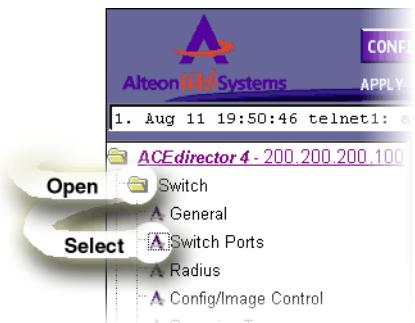
The following provides a basic outline for viewing statistics. You should first be familiar with available statistics as covered in the *Web OS Command Reference* manual.

## Steps for Displaying Statistics

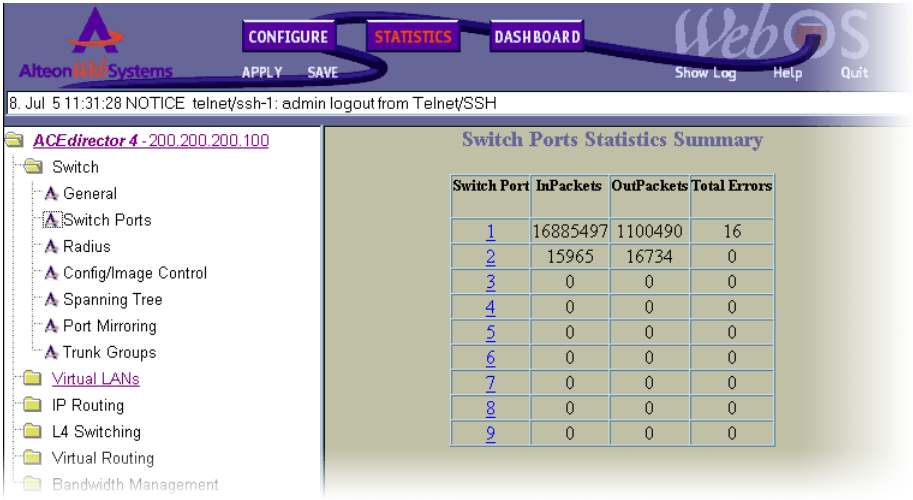
Follow these basic steps for viewing switch statistics:

1. **Select the Statistics context button in theWeb OS toolbar:**

2. **Select a feature icon in the navigation window. For example:**



3. **View the statistics in the forms window. For example:**




**NOTE –** Items which load other forms when selected are underlined.

CHAPTER 5

# The Dashboard

The Web OS BBI can be used to view the present settings and operating status of a variety of switch features. The same information available through the switch's command-line interface is present on the dashboard forms.

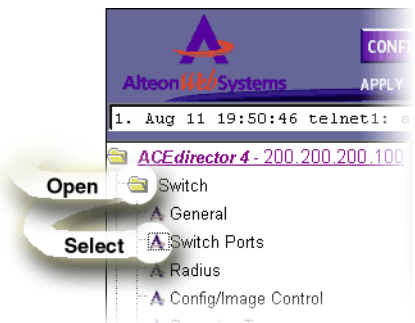
The following provides a basic outline for viewing the dashboard forms. You should first be familiar with configuration as covered in the *Web OS Command Reference* manual.

## Steps for Displaying Dashboards

Follow these basic steps for viewing switch dashboard forms:

1. **Select the Dashboard context button in the Web OS BBI toolbar:**

2. **Select a feature icon in the navigation window. For example:**



3. **View information shown in the forms window. For example:**

**NOTE –** Items which load other forms when selected are underlined.