

# Managing SonicWall® Switch with CSC-MA

SONICWALL®

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# Introduction

You can use CSC-MA to manage SonicWall switches. This provides a single point of management so that you do not need to switch between devices. Once the switch is connected to a properly licensed firewall, it is automatically registered at MySonicWall (MSW). The switch options are then visible within CSC-MA. Your switch can be managed from device view on the individual firewall.

SonicWall switches are designed to connect SonicWall firewalls with access points and IP surveillance cameras, VOIP phones, and other PoE-Capable including other Ethernet-based networking equipment or computers. The Switch provides simple, yet powerful PoE manageability with features such as:

- IEEE 802.3af or IEEE 802.3at/af ports
- PoE port management
- Port mirroring
- Voice VLAN
- QoS
- Static routing
- 802.1X authentication
- Access point management.

## Prerequisites

Before configuring and managing the switch from CSC-MA, the following prerequisites should be met.

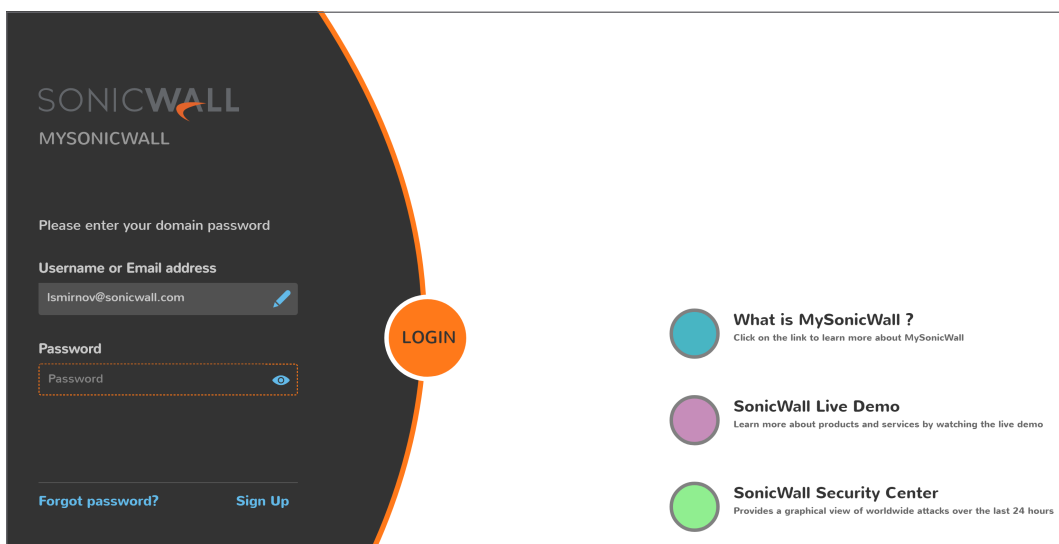
- You need a MySonicWall account.
- The switch needs to be installed and connected to a licensed firewall so it can be acquired through Zero Touch configuration, and you need a CSC-MA license to manage the firewall and switch from CSC-MA.

## Creating MSW Account

You need to have a valid MySonicWall account to use CSC-MA. A MySonicWall account is critical to receiving the full benefits from SonicWall security services, firmware updates, and technical support. MySonicWall is used to license your site and to activate or purchase licenses for other security services specific to your security solution.

*To create a new MySonicWall account from any computer:*

1. Navigate to <https://www.mysonicwall.com>.
2. In the login screen, click **Sign Up**.



SONICWALL  
MYSONICWALL

Please enter your domain password

Username or Email address  
ismirnov@sonicwall.com

Password  
Password

[Forgot password?](#) [Sign Up](#)

**LOGIN**

**What is MySonicWall ?**  
Click on the link to learn more about MySonicWall

**SonicWall Live Demo**  
Learn more about products and services by watching the live demo

**SonicWall Security Center**  
Provides a graphical view of worldwide attacks over the last 24 hours

3. Enter your email address and choose a password that meets the security requirements.

4. From the drop-down menu, select how you want to use two-factor authentication.
5. Finish CAPTCHA and click on **Continue** to go the Company page.
6. Fill your company information and click **Continue**.
7. On the **YOUR INFO** page, complete the details and select your preferences.
8. Click **Continue** to go to the **EXTRAS** page.
9. Select whether you want to add additional contacts to be notified for contract renewals.
10. To set up additional contacts:
  - a. Input the **First name**.
  - b. Input the **Last name**.
  - c. Add the **Email address** for that person
  - d. Click **Add Contact**.
11. Select whether you want to add tax information.
12. If providing tax information:
  - a. In the **Reseller for** field, select the state from the drop-down menu.
  - b. Add your **Federal Tax ID**.
  - c. Add the **Expiry (expiration) Date**.
  - d. Enter the **Certificate ID**.
  - e. Click on **ADD TAX ENTRY**.
13. Select whether you want to add your distributor information.
14. To set up the distributor information:
  - a. Input the **Distributor Name**.
  - b. Input the **Customer Number**.
  - c. Click **Add Distributor**.
15. Click **Finish**.
16. Check your email for a verification code and enter it in the **Verification Code\*** field. If you did not receive a code, contact Customer Support by clicking on the support link.

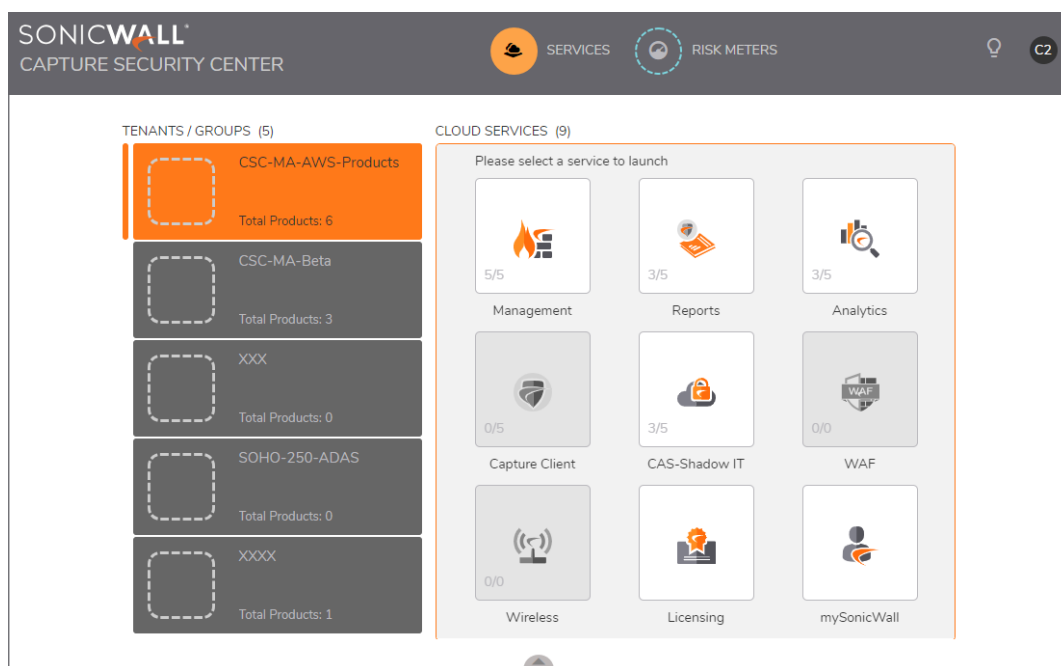
## Installing and Connecting the Switch

The switch is acquired through Zero Touch configuration. It needs to be connected to a properly licensed firewall and has to be enabled for Zero Touch in MSW. You also need a CSC-MA license and a to manage the switch from CSC-MA. For more detailed information about installing the switch, refer to the *Switch Quick Start Guide*.

# Configuring the Switch from CSC-MA

To add SonicWall Switch to CSC-MA:

1. Navigate to [Capture Security Center](#).
2. Log in to CSC-MA using your MSW credentials.



3. Select the **Manage** tile.
4. Navigate to **MANAGE | SETUP > Network > Interfaces**.
5. Click the **Edit** icon next to the interface that you want to update with the switch information.

General | **Advanced**

INTERFACE X0 SETTINGS

Zone: LAN

Mode / IP Assignment: Static IP Mode

IP Address: 192.168.1.1

Subnet Mask: 255.255.255.0

Default Gateway (Optional): 0.0.0.0

Comment: Default LAN

Management:

- HTTPS
- Ping
- SNMP
- SSH
- HTTP

User Login:

- HTTP
- HTTPS
- Add rule to enable redirect from HTTP to HTTPS

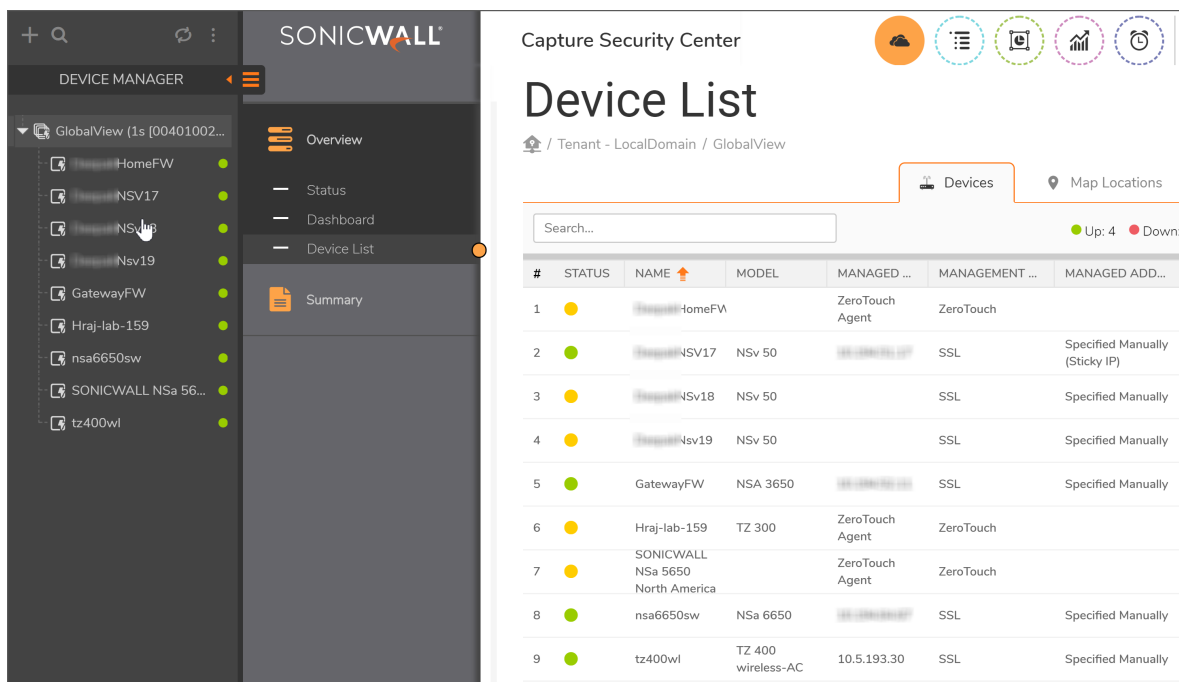
6. Enter the **Address** and **Subnet Mask**.
7. Click on the **Advanced** tab.
8. Select the option **Enable Auto-Discovery of SonicWall Switches** so the switch is green. This automatically adds the DHCP scope under the configured interface.
9. Click **OK** to save the settings.

# Device Manager

In the CSC-MA **Device List**, you can view the devices in your security infrastructure and see summaries of all the devices in the primary work space.

### To see the Device List:

1. Select **GlobalView**.
2. Nagivate to **HOME > Overview > Device List**. The appliances are listed in alphabetic order.



The screenshot displays the SonicWall Device Manager interface. On the left, a sidebar shows the navigation menu with 'DEVICE MANAGER' selected. The main content area is titled 'Device List' and shows a table of devices. The table has columns for #, STATUS, NAME, MODEL, MANAGED..., MANAGEMENT..., and MANAGED ADD... The devices listed are:

#	STATUS	NAME	MODEL	MANAGED ...	MANAGEMENT ...	MANAGED ADD...
1	●	HomeFW		ZeroTouch Agent	ZeroTouch	
2	●	NSV17	NSv 50		SSL	Specified Manually (Sticky IP)
3	●	NSv18	NSv 50		SSL	Specified Manually
4	●	Nsv19	NSv 50		SSL	Specified Manually
5	●	GatewayFW	NSA 3650		SSL	Specified Manually
6	●	Hraj-lab-159	TZ 300	ZeroTouch Agent	ZeroTouch	
7	●	SONICWALL NSA 5650 North America		ZeroTouch Agent	ZeroTouch	
8	●	nsa6650sw	NSa 6650		SSL	Specified Manually
9	●	tz400wl	TZ 400 wireless-AC	10.5.193.30	SSL	Specified Manually

Click on the **Map Locations** tab to see how your devices are mapped across the world.



## Navigation

CSC-MA groups similar functions and features together for easier use. These groups are shown in different views and are represented by the icons above the main window. From left to right, the views are:



- **Home:** The default view when you login with most implementations. Navigate here to view general data such as status, Dashboard, and summary reports.
- **Manage:** Most of the management features are accessed from this view.
- **Reports:** Various reports, including live reports, when available, are shown and scheduled in this view.
- **Analytics:** Available if you have an active Analytics license. Navigate here to see details and perform a deep dive on the information.
- **Notifications:** Shows the status of your network system, allows you to set rules and configure settings, and shows the history of the rules.
- **Application Configuration Panel:** Provides access to the **Console** where you can view logs, manage your appliance, and perform other tasks.

# Switch Controller Functions

In CSC-MA, the switch functions can be accessed by navigating to **MANAGE | SETUP > Switch Controller**. These functions are only available on the device that the switch is connected to.

## Topics:

- [Switch](#)
- [Overview](#)
- [Physical View](#)
- [VLAN View](#)
- [Networks](#)
- [Users](#)
- [StaticRoutes](#)
- [QOS](#)
- [Diagnostics](#)
- [802.1X](#)
- [ARP](#)
- [Voice VLAN](#)
- [RADIUS Server](#)

## Switch

The **Switch** command shows the details of available switches in the **SWITCH CONFIGURATION** table. You can add or delete a switch configuration using the options. To modify a switch, click the configure icon at the end of the table. You can add, edit or delete a switch and use the search function to find a specific switch.

### Switch

[Home](#) / [Tenant - LocalDomain](#) / [Multi\\_Switch](#)

Switch search


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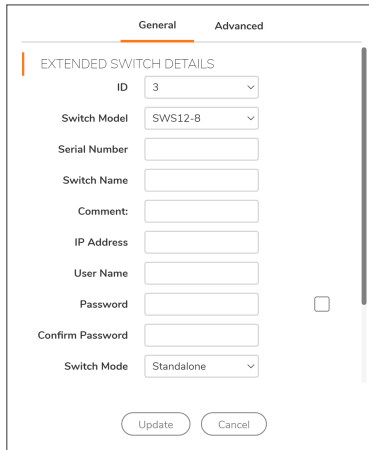
SWITCH CONFIGURATION

<input type="checkbox"/>	ID	MODEL	SERIAL	IP ADDRESS	SWITCH MODE	SWITCH MANAGEMENT	SWITCH STATUS	FIREWALL UPLINK	SWITCH UPLINK	PARENT ID	PARENT UPLINK	CONFIGURE
<input type="checkbox"/>	2	SWS12-8	2CB8	192.168.1.100	Stand-alone	1	<span style="color: green;">●</span>	X4	1	N/A	N/A	
<input type="checkbox"/>	1	SWS12-10PPOE	88D	192.168.1.101	Stand-alone	1	<span style="color: green;">●</span>	X2	1	N/A	N/A	

# Adding a Switch

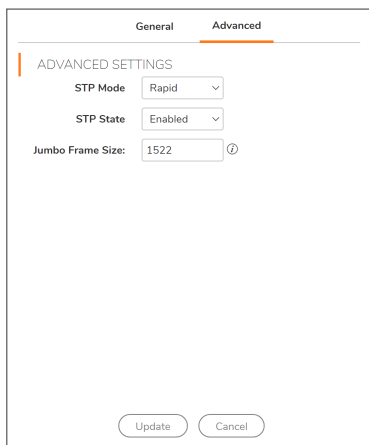
To add a switch:

1. Navigate to **MANAGE | SETUP > Switch Controller > Switch**.
2. Click **Add Switch**.



The screenshot shows the 'General' tab of a switch configuration form. At the top, there are two tabs: 'General' (selected) and 'Advanced'. Below the tabs is a section titled 'EXTENDED SWITCH DETAILS'. The form contains the following fields: 'ID' (dropdown menu with '3' selected), 'Switch Model' (dropdown menu with 'SWS12-8' selected), 'Serial Number' (text input), 'Switch Name' (text input), 'Comment' (text input), 'IP Address' (text input), 'User Name' (text input), 'Password' (text input with a toggle for visibility), 'Confirm Password' (text input), and 'Switch Mode' (dropdown menu with 'Standalone' selected). At the bottom of the form are two buttons: 'Update' and 'Cancel'.

3. Enter the data needed in the open fields.
4. Click the **Advanced** tab.



The screenshot shows the 'Advanced' tab of the same switch configuration form. The 'General' tab is now unselected, and the 'Advanced' tab is selected. The section is titled 'ADVANCED SETTINGS'. It contains three fields: 'STP Mode' (dropdown menu with 'Rapid' selected), 'STP State' (dropdown menu with 'Enabled' selected), and 'Jumbo Frame Size' (text input with '1522' and a help icon). At the bottom of the form are two buttons: 'Update' and 'Cancel'.

5. Set the **STP Mode** and **STP State** from the drop-down lists.
6. Input the Jumbo Frame Size. The value can range from 1522 to 10240.
7. Click **Update**.

# Deleting a Switch

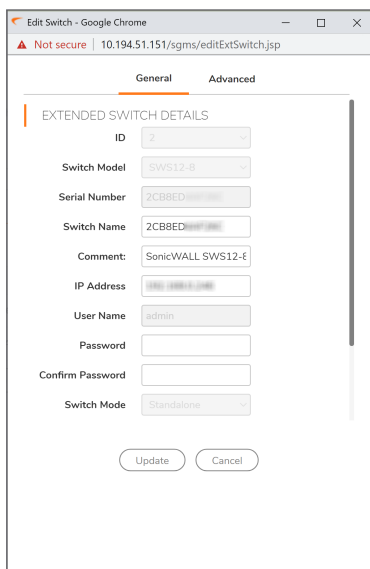
*To delete a switch:*

1. Navigate to **MANAGE | SETUP > Switch Controller > Switch**.
2. Select the switch or switches you want to remove.
3. Click **Delete Switch**.

# Editing a Switch

*To edit a switch:*

1. Navigate to **MANAGE | SETUP > Switch Controller > Switch**.
2. Click the **Edit** icon for the switch you want to edit.



The screenshot shows a web browser window titled "Edit Switch - Google Chrome" with the URL "10.194.51.151/sgms/editExtSwitch.jsp". The page has two tabs: "General" (selected) and "Advanced". Under the "General" tab, there is a section titled "EXTENDED SWITCH DETAILS" containing the following fields:

- ID: 2
- Switch Model: SWS12-8
- Serial Number: 2CBBED
- Switch Name: 2CBBED
- Comment: SonicWALL SWS12-8
- IP Address: 192.168.1.100
- User Name: admin
- Password: (empty)
- Confirm Password: (empty)
- Switch Mode: Standalone

At the bottom of the form are two buttons: "Update" and "Cancel".

3. Update the fields you want on both the **General** and **Advanced** tabs.
4. Click **Update**.

# Overview

The **Overview** option displays all the available ports for the configured switches. The switch port configuration table displays the switch parameters as shown below:

# Overview

Tenant - LocalDomain / Multi\_Switch

Add Switch

## SWITCH PORT CONFIGURATION

NAME	PORT	PORTSHIELD INTERFACE	LINK STATUS	POE POWER	STP	802.1X	ENABLED	COMMENT	CONFIGURE
2CB[redacted]	1	MGMT		30W	✓	Authorized	✓	Switch MGMT/Uplink - ES2	
2CB[redacted]	2	X4		30W	✓	Authorized	✓	PortShield to X4	
2CB[redacted]	3	Unassigned		30W	✓	Authorized	✓		
2CB[redacted]	4	Unassigned		30W	✓	Authorized	✓		
2CB[redacted]	5	Unassigned		30W	✓	Authorized	✓		
2CB[redacted]	6	X3		30W	✓	Authorized	✓	Dedicated Uplink for X3	
2CB[redacted]	7	Unassigned		30W	✓	Authorized	✓		
2CB[redacted]	8	Unassigned		30W	✓	Authorized	✓		
2CB[redacted]	9	Unassigned		30W	✓	Authorized	✓		
2CB[redacted]	10	Unassigned		30W	✓	Authorized	✓		

You can configure a switch from the Overview command. Click the **Add Switch** button and follow the directions for "Adding Switches" in the **Switch** section.

### To configure a port:

1. Navigate to **MANAGE | SETUP > Switch Controller > Overview**.
2. Click the **CONFIGURE** icon for the port.

3. Edit the fields needed in each section of the Port Configuration dialog. These include:
  - Basic Settings
  - Advanced Settings
  - 802.1X Settings
  - Storm Control Settings
  - Voice VLAN Settings
  - QOS Settings
4. Click **OK**.

# Physical View

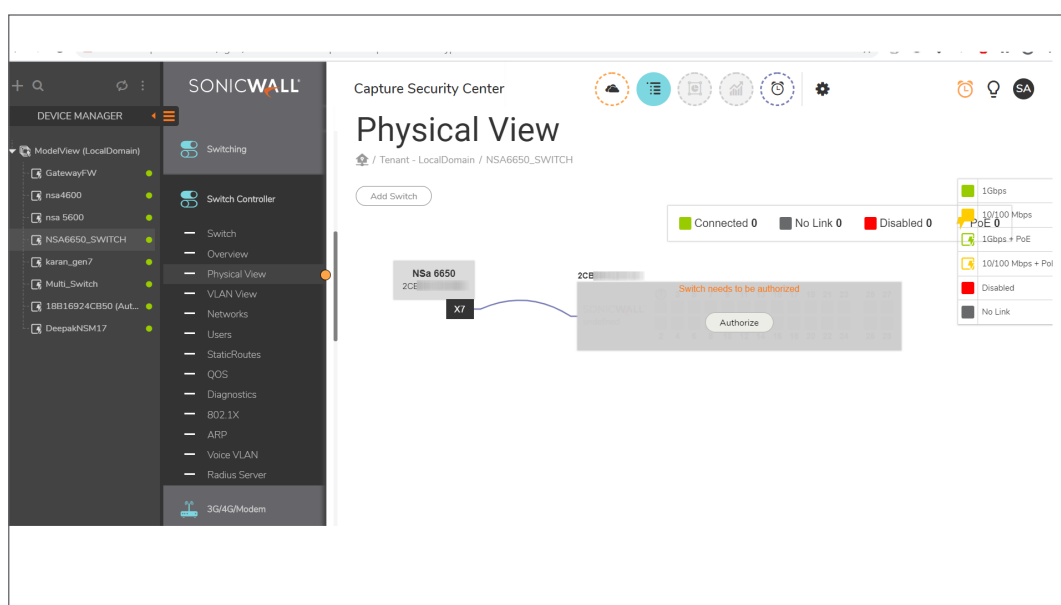
When you first install a switch you want to go to the Physical View to authorize the connection. Afterward, you can see the VLAN representation of the switch you have connected to your firewall. Navigate to **MANAGE > Switch Controller > Physical View**.

## Authorization

Once you've physically connected the switch to the uplink, you need to authorize the switch.

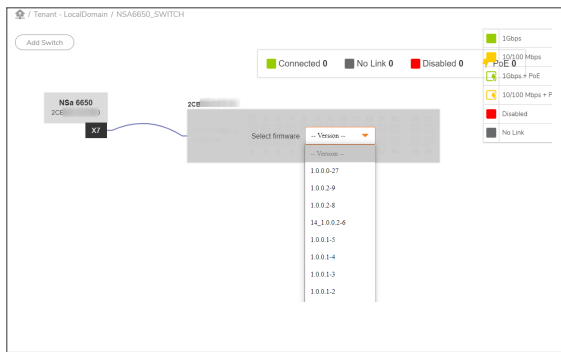
**To authorize the switch:**

1. Navigate to **MANAGE | SETUP > SWITCH Controller > Physical View**.
2. Click **Authorize**.

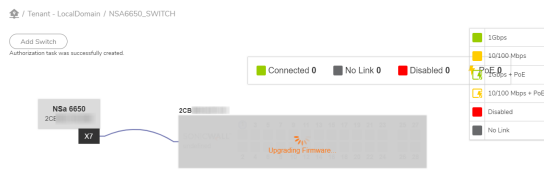


The Authorization process steps through a series of automated tasks. The following images shows the different screens that are displayed:

- Firmware switch reset

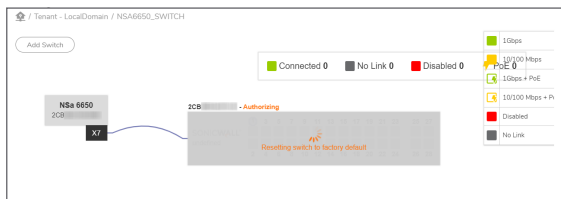


- Firmware update



**NOTE:** The firmware is automatically upgraded only when needed.

- Resetting the switch to factory default



# Port Configuration

Once the switch authorization is complete, you can configure the ports one by one. The Port Configuration option has a series of sections to complete. Be sure to scroll down to see all the options. Click **OK** when done to save the options.

PORT CONFIGURATION FOR SWITCH: [Switch ID]

**BASIC SETTINGS**

Port: 20

Port Enable:

Link Speed: Auto Negotiate

PortShield Interface: Unassigned

**ADVANCED SETTINGS**

STP State:

Port Isolation:

BW Control Ingress Rate (kbps): 0

BW Control Egress Rate (kbps): 0

Port Security Max Count: 0

**802.1X SETTINGS**

Mode: Force Authorized

Reauthentication:

PORT CONFIGURATION FOR SWITCH: [Switch ID]

Reauthentication Period: 3600

Quiet Period: 60

Supplicant Period: 30

Guest VLAN:

RADIUS VLAN Assign:

**STORM CONTROL SETTINGS**

Broadcast Rate: 0

Unknown Multicast Rate: 0

Unknown Unicast Rate: 0

**VOICE VLAN SETTINGS**

Voice VLAN State: Disabled

Voice VLAN CoS Mode: Src

**QOS SETTINGS**

Cos Value: 0

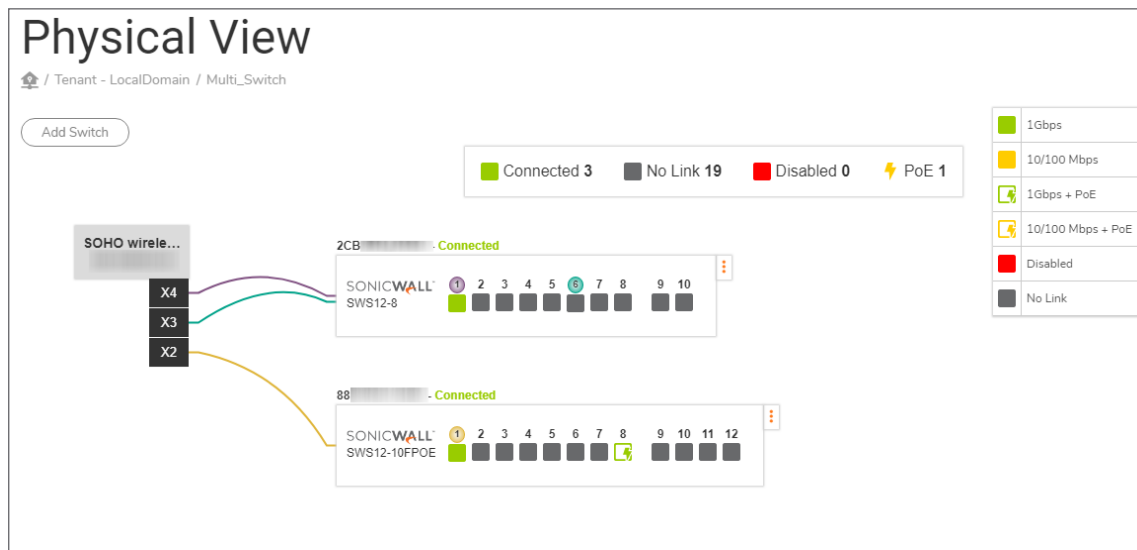
Trust:

OK Cancel

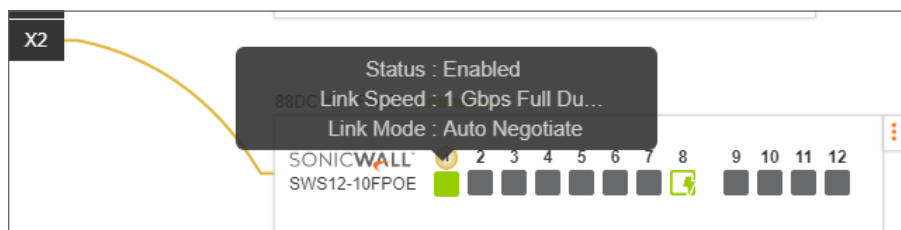


# Physical View Commands

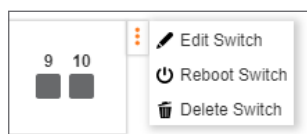
On the **Switch Controller** option, you can opt to see the physical representation of the switch you connected to your firewall. In addition, port information is displayed to the top and to the right of the switch.



The legends across the top and to the right describe the state of the switch connections. You can also mouse over the interfaces to see a pop-up that shows the interface status, speed and mode.



By selecting the **Options** icon at the right of the switch, you can choose to **Edit Switch**, **Reboot Switch**, and **Delete Switch**.



To add another switch, click the **Add Switch** button and provide the information requested. Be sure to scroll down to see all the options. Select **Advanced** to complete those options too.

General    Advanced

EXTENDED SWITCH DETAILS

ID: 3

Switch Model: SWS12-8

Serial Number:

Switch Name:

Comment:

IP Address:

User Name:

Password:

Confirm Password:

Switch Mode: Standalone

## VLAN View

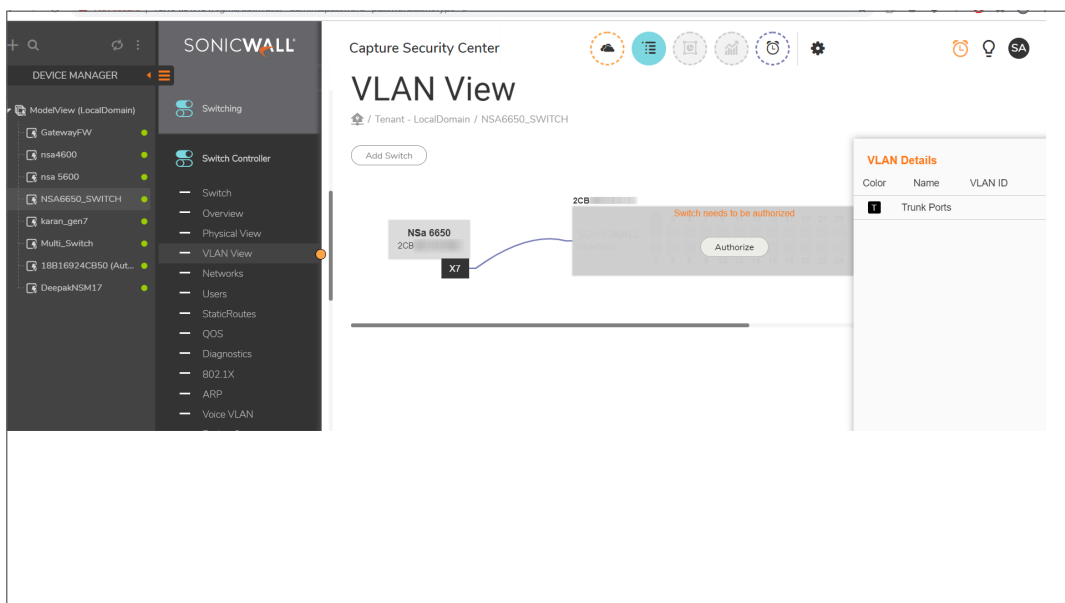
When you first install a switch you want to go to the VLAN View to authorize the connection. Afterward, you can see the VLAN representation of the switch you have connected to your firewall. The **VLAN View** is similar to the **Physical View** in that you see a physical representation of the switch interface.

## Authorization

Once you've physically connected the switch to the uplink, you need to authorize the switch.

**To authorize the switch:**

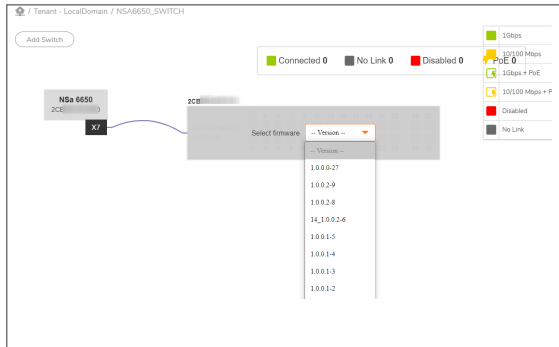
1. Navigate to **MANAGE | SETUP > SWITCH Controller > VLAN View**.



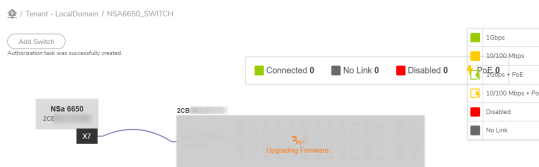
## 2. Click **Authorize**.

The Authorization process steps through a series of automated tasks. The following images shows the different screens that are displayed:

- Firmware switch reset



### Firmware update



- **NOTE:** The firmware is automatically upgraded only when needed.

## Port Configuration

Once the switch authorization completes, you can configure the ports, one by one. The Port Configuration option has a series of sections to complete. Be sure to scroll down to see all the options. Click **OK** when done to save the options.

PORT CONFIGURATION FOR SWITCH: [REDACTED]

**BASIC SETTINGS**

Port: 20

Port Enable:

Link Speed: Auto Negotiate

PortShield Interface: Unassigned

---

**ADVANCED SETTINGS**

STP State:

Port Isolation:

BW Control Ingress Rate (kbps): 0

BW Control Egress Rate (kbps): 0

Port Security Max Count: 0

---

**802.1X SETTINGS**

Mode: Force Authorized

Reauthentication:

PORT CONFIGURATION FOR SWITCH: [REDACTED]

Reauthentication Period: 3600

Quiet Period: 60

Supplicant Period: 30

Guest VLAN:

RADIUS VLAN Assign:

---

**STORM CONTROL SETTINGS**

Broadcast Rate: 0

Unknown Multicast Rate: 0

Unknown Unicast Rate: 0

---

**VOICE VLAN SETTINGS**

Voice VLAN State: Disabled

Voice VLAN CoS Mode: Src

---

**QOS SETTINGS**

Cos Value: 0

Trust:

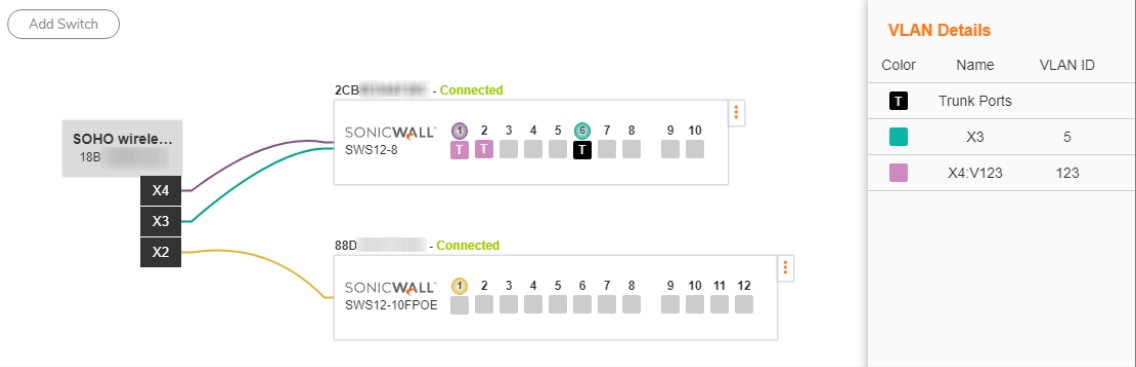
OK Cancel

## VLAN View Commands

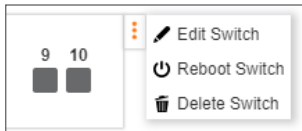
On the **Switch Controller** option, you can opt to see the VLAN representation of the switch you have connected to your firewall. The **VLAN View** is similar to the **Physical View** in that you see a physical representation of the switch interface. In addition the VLAN details are shown to the right of the image.

# VLAN View

Tenant - LocalDomain / Multi\_Switch



By selecting the **Options** icon at the right of the switch, you can choose to **Edit Switch**, **Reboot Switch**, and **Delete Switch**.



To add another switch, click the **Add Switch** button and provide the information requested. Be sure to scroll down to see all the options. Select **Advanced** to complete those options too.

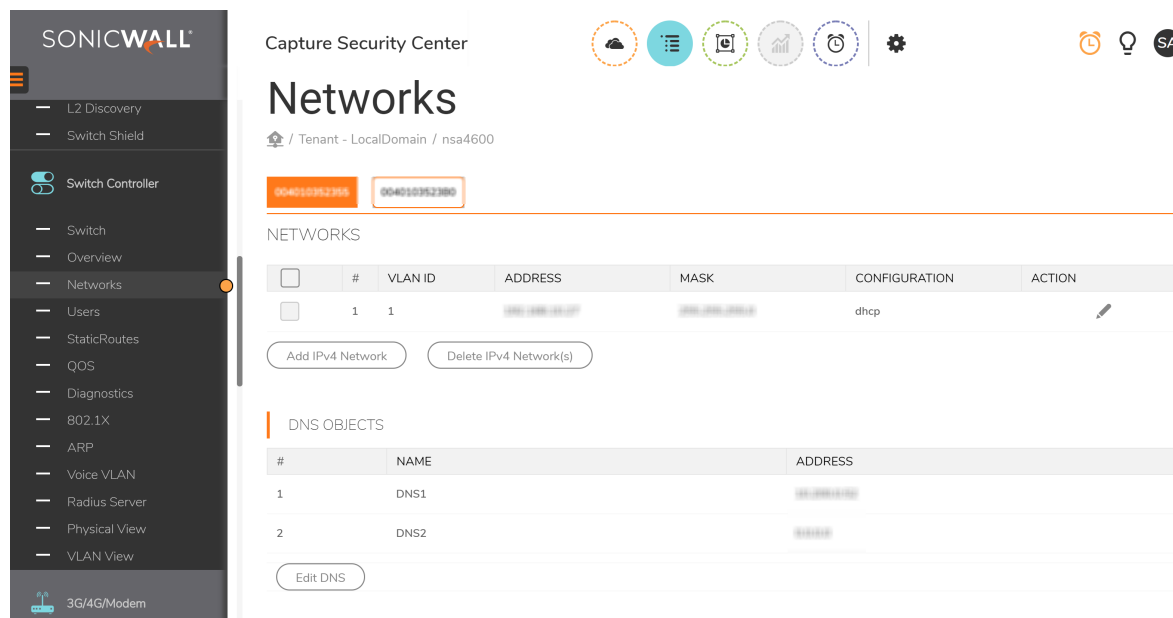
The form is titled 'General' and 'Advanced'. It contains the following fields:

- EXTENDED SWITCH DETAILS
- ID: 3
- Switch Model: SWS12-8
- Serial Number: [empty]
- Switch Name: [empty]
- Comment: [empty]
- IP Address: [empty]
- User Name: [empty]
- Password: [empty]
- Confirm Password: [empty]
- Switch Mode: Standalone

Buttons: Update, Cancel

# Networks

The Networks feature lists networks and DNS objects configured in the switch.



## Networks Section

In the **Networks** section of the table, you can add, delete or edit the networks.

**To add an IPv4 network to the switch:**

1. Navigate to **MANAGE | SETUP > Switch Controller > Networks**.
2. Click **Add IPv4 Network**.

ADD / EDIT NETWORK

Vlan ID:

Address:

Subnet Mask:

Configuration:

3. Select the **VLAN ID**.
4. Enter network **Address**.
5. Enter the **Subnet Mask**.
6. Select the Configuration from the drop-down list. You can choose between DHCP and static.
7. Click **OK**.

### To delete an IPv4 network:

1. Navigate to **MANAGE | SETUP > Switch Controller > Network**.
2. Select the network you want to delete.
3. Click **Delete IPv4 Network**.

### To edit an IPv4 network:

1. Navigate to **MANAGE | SETUP > Switch Controller > Network**.
2. Click the **Edit** icon for the IPv4 network you want to edit. The dialog is the same as when you add a network.
3. Update the fields you want.
4. Click **OK**.

## Users

The **Users** window shows all the users configured for the switch. You can add, delete or edit users from this page.

The screenshot shows the SonicWall management interface. The left sidebar contains a navigation menu with options like L2 Discovery, Switch Shield, Switch Controller, Switch, Overview, Networks, Users (highlighted), StaticRoutes, QOS, Diagnostics, 802.1X, ARP, Voice VLAN, Radius Server, Physical View, and VLAN View. The main content area is titled 'Users' and shows a table with one user named 'admin' with 'Admin' privilege type. There are 'Add User' and 'Delete User(s)' buttons below the table. The breadcrumb path is 'Tenant - LocalDomain / nsa4600'.

### To add a user:

1. Navigate to **MANAGE | SETUP > Switch Controller > Users**.
2. Click **Add User**.

The dialog box titled 'ADD/EDIT SWITCH USER' contains the following fields:

- User Name: [Text input field]
- Authentication Password: [Text input field]
- Confirm Authentication Password: [Text input field]
- Privilege Type: [Dropdown menu with 'Admin' selected]

At the bottom, there are 'OK' and 'Cancel' buttons.

3. Enter the **User Name**.
4. Add and confirm the **Authentication Password**.
5. Select the **Privilege Type**.The options are **Admin** or **User**.
6. Click **OK**.

To delete a user:

1. Navigate to **MANAGE | SETUP > Switch Controller >Users**.
2. Select the user you want to delete.
3. Click **Delete Users**.

**To edit a user:**

1. Navigate to **MANAGE | SETUP > Switch Controller > Users**.
2. Click the **Edit** icon next to the user.

3. In the **ADD / EDIT SWITCH USER** window, update password and change user privilege type.
4. Click **OK**.

# StaticRoutes

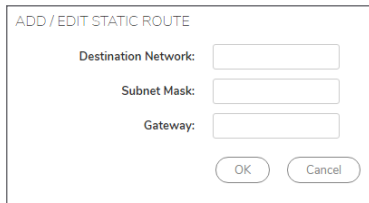
The **Static Routes** table shows all the network destinations and gateway information for the switches added to the firewall.

#	DESTINATION NETWORK	SUBNET MASK	GATEWAY	INTERFACE	ROUTING PROTOCOL
1	10.10.10.0	255.255.255.0	10.10.10.1	1	Static
2	10.10.10.0	255.255.255.0	10.10.10.1	1	Connected



**To add or edit a static route:**

1. Navigate to **MANAGE | SETUP > Switch Controller > StaticRoute.**
2. Click **Add Static Route** to add a route or click the **Edit** icon to edit the route.



ADD / EDIT STATIC ROUTE

Destination Network:

Subnet Mask:

Gateway:

3. Add or change the fields required.
4. Click **OK**.

**To delete a static route:**

1. Navigate to **MANAGE | SETUP > Switch Controller > StaticRoute.**
2. Check the box for the route to delete.
3. Click **Delete Static Route(s)**.

## QOS

QOS (Quality of Service) provides the ability to implement priority queuing within a network. QOS enables traffic to be prioritized, while excessive broadcast and multicast traffic can be avoided. Traffic such as voice and video streaming which requires a minimal delay can be assigned to a high priority queue, while other traffic can be assigned to a lower priority queue resulting in uninterrupted actions.

**SONICWALL** Capture Security Center

# QOS

Tenant - LocalDomain / nsa4600

QOS CONFIGURATION

Egress policy | IPDSCP | COS

State:

Scheduling Method: Strict Priority

Queue 1: 0

Queue 2: 0

Queue 3: 0

Queue 4: 0

Queue 5: 0

Queue 6: 0

Queue 7: 0

Queue 8: 0

Trust Mode: 802.1p-DSCP

Apply

## 802.1X

This feature allows enabling or disabling 802.1X based authentication for Guest VLAN users.

**SONICWALL** Capture Security Center

# 802.1X

Tenant - LocalDomain / nsa4600

802.1X

State:

Guest VLAN state: Disabled

Guest VLAN Id: 0

Update | Reset

1. Navigate to **MANAGE | SETUP > Switch Controller > 802.1X**.
2. From the tabs across the top, select the switch you want update.
3. Update the fields as required.
4. Click **Update**.

## ARP

You can use the **ARP** (Address Resolution Protocol) window to manage the static and dynamic MAC addresses of the switch.

Capture Security Center

### ARP

Tenant - LocalDomain / nsa4600

STATIC MAC ADDRESSES

#	PORT	VID	MAC ADDRESS
No Addresses Found			

ADD STATIC MAC ADDRESS    DELETE STATIC MAC ADDRESS

DYNAMIC MAC ADDRESSES

#	PORT	VID	MAC ADDRESS
0	48	1	08:00:27:00:00:00
1	48	1	08:00:27:00:00:00
2	1	1	08:00:27:00:00:00

## Static MAC Addresses

*To add a static MAC address:*

1. Navigate to **MANAGE | SETUP > Switch Controller > ARP**.
2. From the tabs across the top, select the switch you want to add the static address to.
3. Click **Add Static MAC Address**.

ADD STATIC MAC ADDRESS

Port: --Select a Port--

VLAN ID: --Select a VLAN ID--

MAC Address:

OK    Cancel

4. Select the **Port** and **VLAN ID** from the drop-down lists.
5. Enter the MAC address.
6. Click **OK**.

**To delete a MAC address:**

1. Navigate to **MANAGE | SETUP > Switch Controller > ARP**.
2. From the tabs across the top, select the switch you want to delete the static address from.
3. Check the box for the MAC address you want to delete.
4. Click **Delete Static MAC Address**.

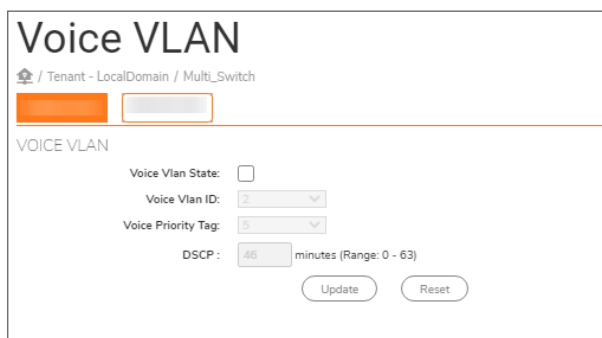
## Dynamic MAC Addresses

The dynamic MAC address list is managed automatically. Click **Refresh dynamic MAC Address** to update the list.

## Voice VLAN

Voice VLAN shows whether the VLAN state is enabled (checked). It also provides additional information about the voice VLAN like:

- Voice VLAN ID
- Voice Priority Tag
- DSCP (Differentiated Services Code Point) in minutes



**To configure Voice VLAN:**

1. Navigate to **MANAGE | SETUP > Switch Controller > Voice VLAN**.
2. Enable the **Voice VLAN State**.
3. Configure the **Voice VLAN ID** and the **Voice Priority Tag** from the drop-down lists.
4. Enter the **DSCP**. It ranges from 0 to 63 minutes.
5. click **Update**.

# RADIUS Server

RADIUS Server table displays the details of RADIUS servers configured with the switch. The table shows:

- Server ID
- Server IP address
- Authorized port
- Timeout reply time
- Retry
- Action

The screenshot shows the SonicWall Capture Security Center interface. The main heading is 'Radius Server' under the tenant 'LocalDomain / nsa6650sw'. Below the heading is a table titled 'RADIUS SERVERS' with the following data:

#	SERVER ID	SERVER IP	AUTHORIZED PORT	TIMEOUT REPLY	RETRY	ACTION
1	1	10.10.10.10	1812	26	8	[Edit] [Delete]
2	2	10.10.10.10	1812	27	8	[Edit] [Delete]
3	3	10.10.10.10	1812	29	7	[Edit] [Delete]
4	4	10.10.10.10	1812	25	7	[Edit] [Delete]

Below the table are buttons for 'Add Radius Server' and 'Delete Radius Server(s)'.

## To add or edit a RADIUS server:

1. Navigate to **MANAGE | SETUP > Switch Controller > Radius Server**.
2. From the tabs across the top, select the switch you want to delete the static address from.
3. Click **Add Radius Server** to add a server or click the **Edit** icon to edit one. The ADD/EDIT RADIUS SERVER dialog is the same for each action.

The dialog box titled 'ADD / EDIT RADIUS SERVER' contains the following fields:

- Server IP: [Input Field]
- Authorized Port: [Input Field] (1 ~ 65535)
- Key String: [Input Field]
- Timeout Reply: [Input Field] (1 ~ 30)
- Retry: [Input Field] (1 ~ 10)

Buttons: [OK] [Cancel]

4. Input or update the values in the fields provided. Note that some fields provide a range for their values.
5. Click **OK**.

***To delete a RADIUS server:***

1. Navigate to **MANAGE | SETUP > Switch Controller > Radius Server**.
2. From the tabs across the top, select the switch you want to delete the static address from.
3. Check the box for the MAC address you want to delete.
4. Click **Delete Radius Server** .

# SonicWall Support

Technical support is available to customers who have purchased SonicWall products with a valid maintenance contract.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. To access the Support Portal, go to <https://www.sonicwall.com/support>.

The Support Portal enables you to:

- View knowledge base articles and technical documentation
- View and participate in the Community forum discussions at <https://community.sonicwall.com/technology-and-support>.
- View video tutorials
- Access <https://mysonicwall.com>
- Learn about SonicWall professional services
- Review SonicWall Support services and warranty information
- Register for training and certification
- Request technical support or customer service

To contact SonicWall Support, visit <https://www.sonicwall.com/support/contact-support>.

# About This Document

① | **NOTE:** A NOTE icon indicates supporting information.

① | **IMPORTANT:** An IMPORTANT icon indicates supporting information.

① | **TIP:** A TIP icon indicates helpful information.

⚠ | **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

⚠ | **WARNING:** A WARNING icon indicates a potential for property damage, personal injury, or death.

Switch Management Switch

Updated - July 2020

232-005290-00 Rev B

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