

# Configure Time Range for 802.1x on SG500X Series Stackable Switches

## Objective

The 802.1x standard uses Extensible Authentication Protocol (EAP) encapsulation over Local Area Networks (EAPOL). A time range specifies the time period during which 802.1x is active on 802.1x enabled ports. These ports are inactive outside of the specified time range.

The objective of this article is to explain how to configure the time range on 802.1x ports on SG500X Series Stackable Switches.

To complete the Time Range configuration:

1. Configure Recurring Range, which is detailed in the article *Configuration of Recurring Range for 802.1x on SG500X Series Switches*.
2. Configure Port Settings, which is detailed in the article, *Configure Port Settings on Sx500 Series Stackable Switches* for this configuration.

**Note :** In order to ensure that the time range entries take effect at the desired time, the software clock should be set by the user or by the Simple Network Time Protocol (SNTP). Failure to set the software clock in this way can cause the time range to be inaccurate.

## Applicable Devices

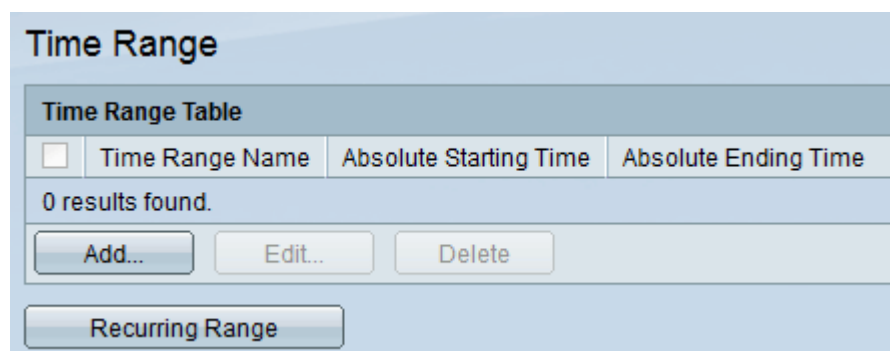
- SG500X Series Stackable Switches

## Software Version

- 1.3.0.62

## Configuration of Time Range for 802.1x

Step 1. Log in to the web configuration utility and choose **Security > 802.1x > Time Range**. The *Time Range* page opens:



Time Range Table			
<input type="checkbox"/>	Time Range Name	Absolute Starting Time	Absolute Ending Time
0 results found.			
Add...		Edit..	Delete
Recurring Range			

Step 2. Click **Add**. The *Add Time Range* page opens:

## Time Range

### Time Range Table

<input type="checkbox"/>	Time Range Name	Absolute Starting Time	Absolute Ending Time
--------------------------	-----------------	------------------------	----------------------

0 results found.

Add...

Edit...

Delete

Recurring Range

★ Time Range Name:  (0/32 Characters Used)

Absolute Starting Time:  Immediate

Date 2010 Jan 01 Time 00 00 HH:MM

Absolute Ending Time:  Infinite

Date 2010 Jan 01 Time 00 00 HH:MM

Apply

Close

Step 3. Enter the time range name in the *Time Range Name* field.

★ Time Range Name:  (17/32 Characters Used)

Absolute Starting Time:  Immediate

Date 2010 Jan 01 Time 00 00 HH:MM

Absolute Ending Time:  Infinite

Date 2010 Jan 01 Time 00 00 HH:MM

Binding time range to port can be done via the Port Authentication page.

Apply

Close

Step 4. Enter the absolute starting time in the *Absolute Starting Time* field. The options are as follows:

★ Time Range Name:  (17/32 Characters Used)

Absolute Starting Time:  Immediate

Date 2012 Sep 01 Time 02 02 HH:MM

Absolute Ending Time:  Infinite

Date 2010 Jan 01 Time 00 00 HH:MM

Binding time range to port can be done via the Port Authentication page.

Apply

Close

- Immediate — Click this radio button to have the time range start from the time when it is created.
- Date and Time — Click this radio button to choose the absolute start date and time from the drop-down lists.

Step 5. Enter the absolute ending time in the *Absolute Ending Time* field. The options are as follows:

Time Range Name: Time\_Range\_Name\_1 (17/32 Characters Used)

Absolute Starting Time:  Immediate  
 Date 2012 Sep 01 Time 02 02 HH:MM

Absolute Ending Time:  Infinite  
 Date 2013 May 06 Time 06 09 HH:MM

Binding time range to port can be done via the Port Authentication page.

Apply Close

- Infinite — Click this radio button to have the time range never end.
- Date and Time — Click this radio button to choose the absolute end date and time from the drop-down list.

Step 6. Click **Apply** to save the changes. The newly added time range is displayed in the Time Range Table.

### Time Range

Time Range Table			
<input type="checkbox"/>	Time Range Name	Absolute Starting Time	Absolute Ending Time
<input checked="" type="checkbox"/>	Time_Range_Name_1	2012-Sep-01 02:02:00	2013-May-06 06:09:00

Add... Edit... Delete

Step 7. (Optional) To edit a time range, check the check box of the time range you want to edit, and click **Edit**.

Step 8. (Optional) To delete a time range, check the check box of the time range you want to delete, and click **Delete**.