

Running Initial setup on SBC SWe Lite

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Related Page:

- [Mapping Network Interfaces](#)

Preparation

1. If a valid IP address was generated at the end of the installation procedure, the options are:
 - Proceed to step 4, bypassing the mapping process (before you do this, see the Note below).
 - Proceed to step 3 to reconfigure network interfaces (optional).



Sonus recommends that all customers review and, if necessary, optimize their Network Interface configurations before proceeding. See [Mapping Network Interfaces](#) and then return to this section.

2. For the following situations, proceed to step 3:
 - If a valid IP address was not generated at the end of the installation procedure.
 - If the management port is not connected to a server with DHCP enabled.
 - If the management port is connected to a server with DHCP enabled and a valid IP address was not generated.
3. Configure the Network Interfaces -- proceed to [Mapping Network Interfaces](#) and then return to this step.
4. Launch a browser.
5. Enter the IP address generated by SBC SWe Lite at the end of the installation procedure, and then press **Enter** to launch the SBC SWe Lite which automatically opens **Initial Sonus SBC System Setup**.
6. Configure the System Information, IP address, Local Users and Connectivity Information panes using the appropriate values for your location.

Figure 1: Initial Sonus SBC Setup

File Edit View Favorites Tools Help

Sonus Initial Sonus SBC Setup

Initial Sonus SBC System Setup

System Information

Network Configuration:

Host Name:

Internet Domain:

Time Zone:

Remote Log Configuration

Configure Syslog:

IP Address

It is recommended to login to the shell as 'netconfig' user to map the network interfaces before initial setup.

Admin IP

IPv4 Address:

Netmask:

Ethernet 1

Configure IP:

IPv4 Address:

Netmask:

Media Next Hop IP:

Ethernet 2

Configure IP:

Ethernet 3

Configure IP:

Ethernet 4

Configure IP:

Local Users

Administrative User

Admin User Name:

Enter Password:

Confirm Password:

Programmatic API User

Configure REST User:

Connectivity Information

Configure Default Route:

Default Gateway:

DNS

Use Primary DNS:

Primary Server IP:

Use Secondary DNS:

Static Subnet IP Routes

Total 0 IP Route Rows

<input type="checkbox"/>	Destination IP	Mask	Gateway	Metric
-- Table is empty --				

OK

Field Definitions

System Information Pane

Network Configuration

Sets how the SBC acquires the IP address information. Valid entries: **Static** or **Dynamic**. Static enables you to enter an IP address manually.

Dynamic acquires the interface's IP configuration dynamically from a reachable DHCP server.

Host Name

Enter the Host Name for the SBC. This is typically useful when you plan to join SBC to a domain. This field is required. Refer to [Hostname Conventions](#) for hostname rules.

Internet Domain

Typically useful if the SBC system resides on a network that uses an internet domain name (such as [sonus.net](#)). This field is displayed only when **Static** is selected from the **Network Configuration** field.

Time Zone

Use this field to set the local time zone of the SBC.

Remote Log Configuration

Configure Syslog

The default value for this field is **No**, and none of the following fields are visible. If the value is set to **Yes**, then the following fields are visible:

Global Log Level

Use this list box to select the desired [logging level](#). Valid options: **Trace**, **Debug**, **Informational**, **Warning**, **Error** or **Fatal**.

Log Destination

The IP address of the destination log server or its FQDN. This field is required.

Port

The logging port on the destination log server. This field is required.

Protocol

Use this list box to select the transport protocol for the logging information. Valid selections: UDP or TCP.

Log Facility

Select a logging facility code to insert in the transmitted log such that the entries can be filtered. For more information see [RFC 5424](#).

Figure 2: Remote Log Configuration - Config Syslog "Yes"

System Information

Network Configuration	<input type="text" value="Static"/>
Host Name	<input type="text" value="SWeLite"/> *
Internet Domain	<input type="text"/> <small>e.g.: sonus.net</small>
Time Zone	<input type="text" value="(GMT) UTC (Zulu)"/>

Remote Log Configuration

Configure Syslog	<input type="text" value="Yes"/>
Global Log Level	<input type="text" value="Warning"/>
Log Destination	<input type="text"/> * FQDN/IP address
Port	<input type="text" value="514"/> * [514..65534]
Protocol	<input type="text" value="UDP"/>
Log Facility	<input type="text" value="local0 (Local Use 0)"/>

IP Address Pane

IPv4 Address (Admin IP)

Enter the IP address through which the SBC communicates over Ethernet. The IP address in this field will be configured onto the Admin Port. This field is required.

This field is displayed when the Network Configuration field is set to **Static**.

Netmask (Admin IP)

The Netmask which will be applied to the Admin IP IPv4 address. This field is required.

This field is displayed when the Network Configuration field is set to **Static**.

Configure IP (Ethernet 1)

Enables or disables the use of an IP address with Ethernet 1. If you select **Yes**, the IPv4 Address, Netmask, and Media Next Hop fields are visible. These fields are required if set to **Yes**.

IPv4 Address (Ethernet 1)

Enter the IP address through which the SBC communicates over Ethernet. The IP address in this field will be configured onto Ethernet 1. This field is required if set to **Yes**.

Netmask (Ethernet 1)

The Netmask will be applied to the Ethernet 1 IPv4 address. This field is required if set to **Yes**.

Media Next Hop IP (Ethernet 1)

The Media Next Hop IP specifies the gateway for a particular interface subnet so that all the media traffic egress to that gateway. This field is required if set to **Yes**.



For Ethernet 1 - 4, when the **Configure IP** field is set to **Yes**, the corresponding fields for that Ethernet port are required.

Configure IP (Ethernet 2)

Enables or disables the use of an IP address with Ethernet 2. If you select **Yes**, the IPv4 Address, Netmask, and Media Next Hop fields are visible. This field is required if set to **Yes**.

Configure IP (Ethernet 3)

Enables or disables the use of an IP address with Ethernet 3. If you select **Yes**, the IPv4 Address, Netmask, and Media Next Hop fields are visible. This field is required if set to **Yes**.

Configure IP (Ethernet 4)

Enables or disables the use of an IP address with Ethernet 4. If you select **Yes**, the IPv4 Address, Netmask, and Media Next Hop fields are visible. These fields are required if set to **Yes**.

Local Users Pane

This section is used to create a local Administrative User and an optional REST User.

Admin User Name

Enter a Admin user name. This field is required.

Enter Password

Enter a password for the administrative user. This field is required.

Confirm Password

Re-enter the same password to confirm. This field is required.



Password Recovery for SBC SWe Lite

To recover a lost password:

- First check with other members of your organization who have Administrator privileges and have them assist you.
- If this is not possible, contact Sonus TAC at <https://www.sonus.net/company/maintenance/log-trouble-tickets>.

Configure REST User

Select **Yes** if you wish to configure and enable a REST user. If you select **Yes**, you will be required to enter the REST username, enter, and confirm the REST username password.

Connectivity Information Pane

Configure Default Route

If you plan to use a gateway to route IP traffic from the SBC, set this field to **Yes** and specify a Default Gateway IP address, which should be in the same subnet as the primary Ethernet port. This field is displayed only when **Static** is selected from the Network Configuration field.

Default Gateway

The IP Address of the default gateway. This field is displayed only when Configure Default Route is set to **Yes**. This field is required if Config Default Route is set to **Yes**.

Use Primary DNS

If you plan to use host names for routing network traffic from the SBC system, select **Yes** and provide a **Primary Server IP** address.

Primary Server IP

The IP address of the primary DNS server. This field is required if the **Use Primary DNS** field was set to **Yes**.

Use Secondary DNS

Optionally, set the **Use Secondary DNS** to **Yes** and provide a **Secondary Server IP** address.

Add Static Route Entry Pane

The Add Static Route Entry configuration enables you to create static routes/gateways for the additional Ethernet interfaces, if required. To create a static route, click the () icon in the **Static Subnet IP Routes** section. Populate the fields using the definitions below and then click **OK**.

Figure 3: Add Static Route Entry

The screenshot shows a dialog box titled "Add Static Route Entry". Inside the dialog, there are four input fields arranged vertically. Each field has a label to its left and a placeholder or range indicator to its right. The fields are: "Destination IP" with a placeholder "* x.x.x.x", "Mask" with a placeholder "* x.x.x.x", "Gateway" with a placeholder "* x.x.x.x", and "Metric" with the value "1" and a range indicator "[1..255]". The dialog box has a standard Windows-style title bar and a scroll bar on the right side.

Destination IP

Enter the destination IP Address. This field is required.

Mask

Enter the network mask of the destination host or subnet. This field is required.

Gateway

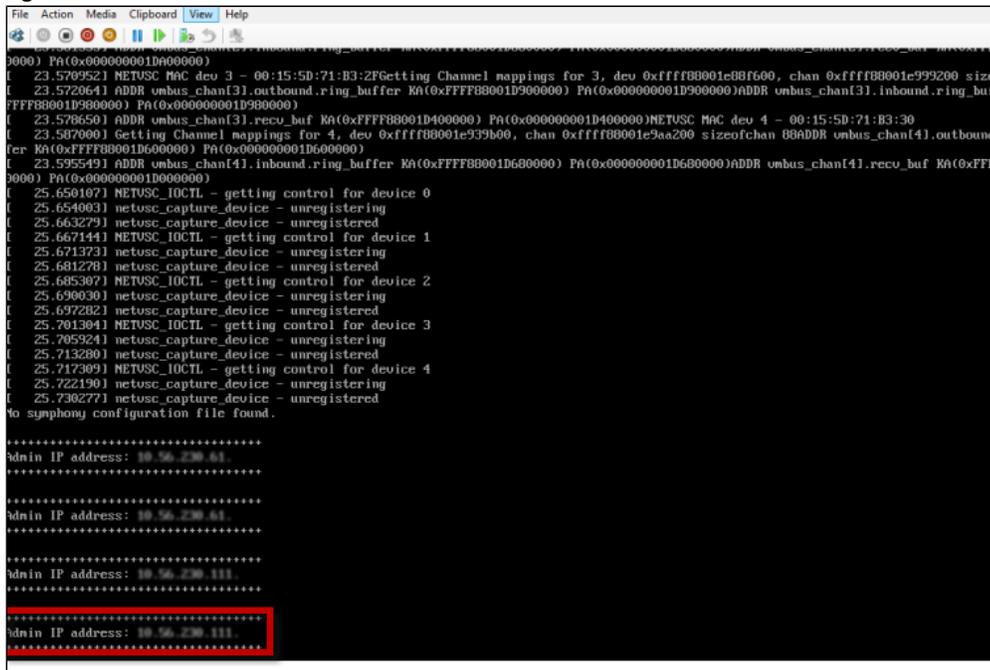
Enter the IP Address of the next-hop router to use for this Static Route. This field is required.

Metric

Enter the cost of this route, which indirectly specifies the preference of the route. Lower values indicate more preferred routes. Typical value is 1 for most static routes, which indicates that static routes are preferred to dynamic routes. Valid entry: 1 - 255. This field is required.

1. Populate the fields and then click **OK** to save the Initial Sonus SBC Setup. If you have a console, you will see the admin IP address.

Figure 4: Admin IP



```
0000) Pa(0x000000001D000000)
[ 23.570952] NETUSC MAC dev 3 - 00:15:5D:71:B3:2FGetting Channel mappings for 3, dev 0xffff8001e88f600, chan 0xffff8001e999200 size
[ 23.572064] ADDR umbus_chan[3].outbound_ring_buffer Ka(0xffff8001d900000) Pa(0x000000001D900000)ADDR umbus_chan[3].inbound_ring_buf
FFFF8001D900000) Pa(0x000000001D900000)
[ 23.578650] ADDR umbus_chan[3].recu_buf Ka(0xffff8001d400000) Pa(0x000000001D400000)NETUSC MAC dev 4 - 00:15:5D:71:B3:30
[ 23.587000] Getting Chamel mappings for 4, dev 0xffff8001e939b00, chan 0xffff8001e9aa200 sizeofchan 88ADDR umbus_chan[4].outbound
[er Ka(0xffff8001d600000) Pa(0x000000001D600000)
[ 23.595549] ADDR umbus_chan[4].inbound_ring_buffer Ka(0xffff8001d600000) Pa(0x000000001D600000)ADDR umbus_chan[4].recu_buf Ka(0xFF
0000) Pa(0x000000001D000000)
[ 25.650107] NETUSC_IOCTL - getting control for device 0
[ 25.654003] netusc_capture_device - unregistering
[ 25.663279] netusc_capture_device - unregistered
[ 25.667144] NETUSC_IOCTL - getting control for device 1
[ 25.671373] netusc_capture_device - unregistering
[ 25.681278] netusc_capture_device - unregistered
[ 25.685307] NETUSC_IOCTL - getting control for device 2
[ 25.690030] netusc_capture_device - unregistering
[ 25.697202] netusc_capture_device - unregistered
[ 25.701304] NETUSC_IOCTL - getting control for device 3
[ 25.705924] netusc_capture_device - unregistering
[ 25.713280] netusc_capture_device - unregistered
[ 25.717309] NETUSC_IOCTL - getting control for device 4
[ 25.722190] netusc_capture_device - unregistering
[ 25.730277] netusc_capture_device - unregistered
No symphony configuration file found.
*****
Admin IP address: 10.56.230.64.
*****
*****
Admin IP address: 10.56.230.64.
*****
*****
Admin IP address: 10.56.230.111.
*****
*****
Admin IP address: 10.56.230.111.
*****
*****
```

Access the Web UI

Use a Web browser to access the SBC Edge Web UI using either the Admin IP address or the IP address of the Ethernet port associated to the static IP address you just set. Please proceed to the license installation.

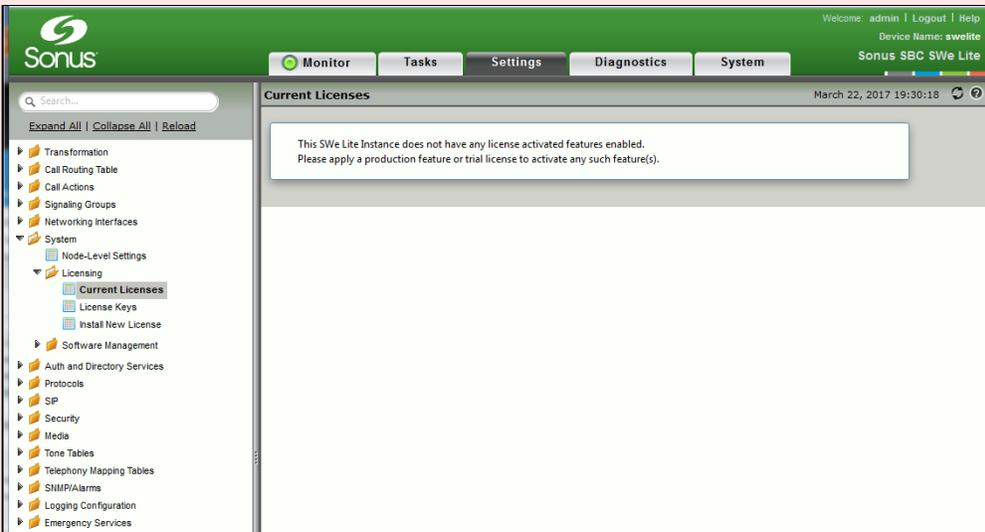


Easy Configuration Wizard Unavailable Prior to License Installation

The Easy Configuration Wizard does *not* open automatically upon the first login. A valid license must be applied first. In the absence of a license, the SBC SWe Lite displays the following message in the license page. Once a license has been applied, the Easy Configuration Wizard will be available under the **Tasks** tab.

Select the appropriate license type:

- Obtaining and Installing a SWe Lite License for Production installations
- Obtaining and Installing a SWe Lite Trial License for Trial Offer installations



IMPORTANT!

To prevent time drift, you must manually set an NTP time source. Instructions are located at [Configuring an NTP Time Source](#). Return to this section when complete.

