



Oracle SBC Configuration Template Outline for Genesys SIP SERVER Deployment

Technical Application Note





Disclaimer

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1 Revision History

Version	Date Revised	Description of Changes
1.1	5/05/2021	Initial publication

2 Intended Audience

This document is intended for use by Oracle Systems Engineers, third party Systems Integrators, Oracle Enterprise customers, partners and end users of the Oracle Enterprise Session Border Controller (SBC).

Please note, applying a configuration to the SBC via the Configuration Assistant will overwrite any existing configuration currently applied to the SBC. We highly recommend this only be used for initial setup of the SBC. This feature is not recommended to be used to make changes to existing configurations.

3 Introduction

When you first log on to the E-SBC, the system requires you to set the configuration parameters necessary for basic operation. To help you set the initial configuration with minimal effort, the E-SBC provides the Configuration Assistant. The Configuration Assistant, which you can run from the Web GUI or the Acme Command Line Interface (ACLI), asks you questions and uses your answers to set parameters for managing and securing call traffic. You can use the Configuration Assistant for the initial set up to make to the basic configuration. See "Configuration Assistant Operations" in the [Web GUI User Guide](#) and "Configuration Assistant Workflow and Checklist" in the [ACLI Configuration Guide](#)

4 Related Documentation

4.1.1 Oracle SBC

- [Oracle® Enterprise Session Border Controller Web GUI User Guide](#)
- [Oracle® Enterprise Session Border Controller ACLI Configuration Guide](#)
- [Oracle® Enterprise Session Border Controller Release Notes](#)
- https://docs.oracle.com/cd/F12246_01/doc/sbc_scz830_security.pdf

4.1.2 App Notes

App notes are available in our partner page.

- <https://www.oracle.com/technical-resources/documentation/acme-packet.html>

This template is designed for Oracle SBC configuration and Genesys SIP SERVER System Manager and can be used with all SIP Trunks.

5 Validated Oracle Versions

This template can be used for Oracle SBC version SCZ840p5 onwards.

These software releases with the configuration listed below can run on any of the following products:

- AP 1100
- AP 3900
- AP 4600
- AP 6350
- AP 6300
- VME

6 Configuring the SBC using Genesys Template

The following outline assumes you have established initial access to the SBC via console and completed the following steps:

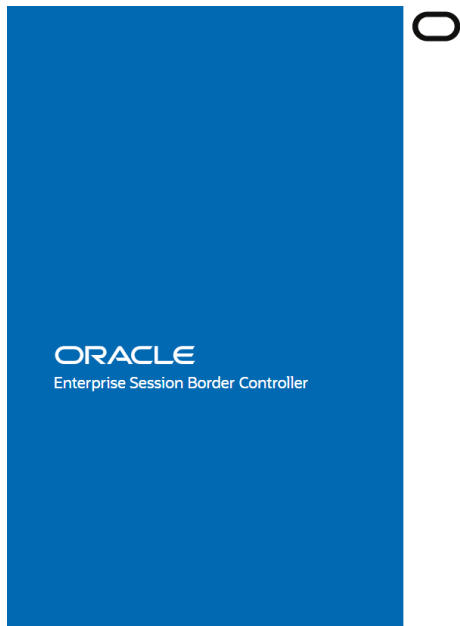
- Configured boot parameters for management access
- Setup Product
- Set Entitlements
- Configured HTTP-Server to establish access to SBC GUI

6.1.1 Loading the template on to the SBC using File transfer tools

The template downloaded for our partner's page is in .gz(zipped) format.

This file can be loaded to /code/configAssistant/templates folder of the SBC using WinSCP or any file transfer software.

6.1.2 Using the Genesys.gz template



Sign in to E-SBC

Enter your details below

Username

Required

Password

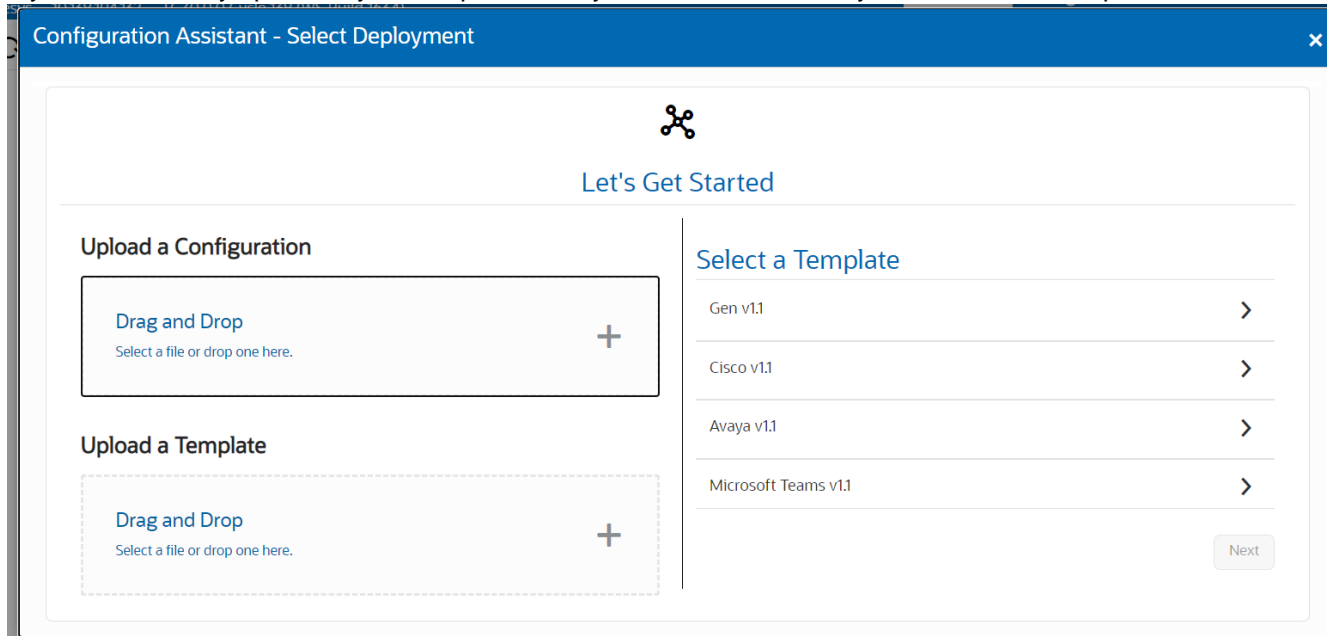
Required

SIGN IN

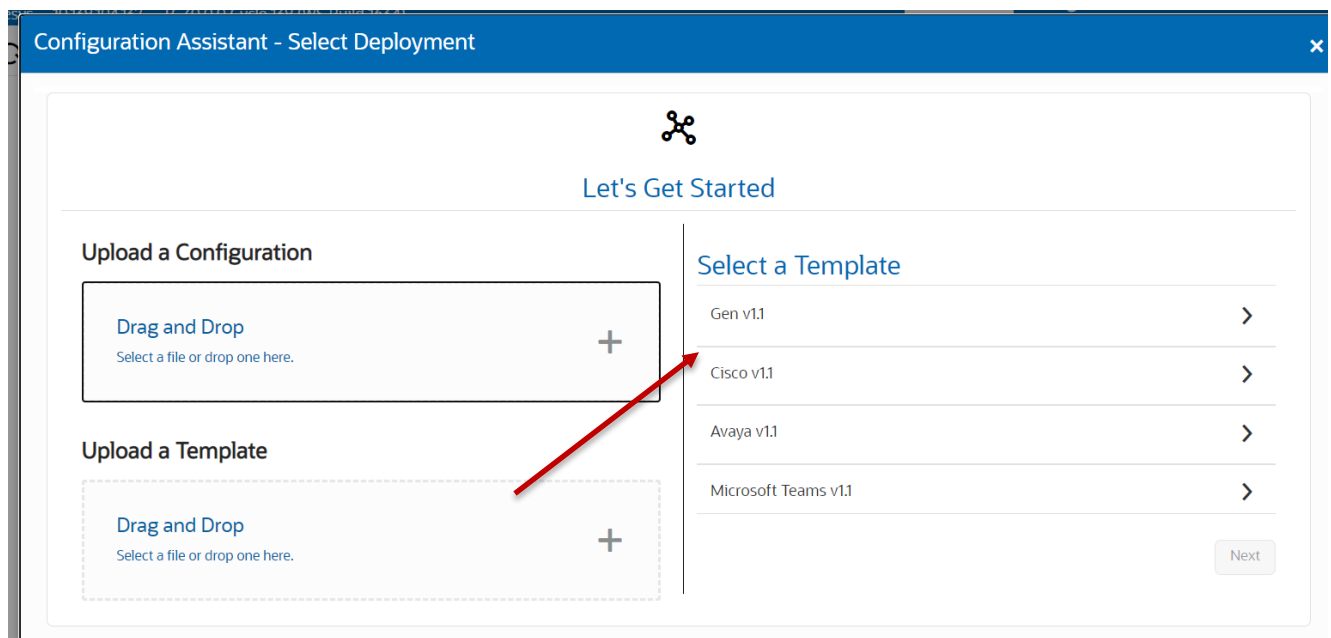
The WebGUI can be accessed through the url https://<SBC_MGMT_IP>. The username and password is the same as that of CLI.

Once you login , you will see the Configure Assistant- Select Deployment screen as shown

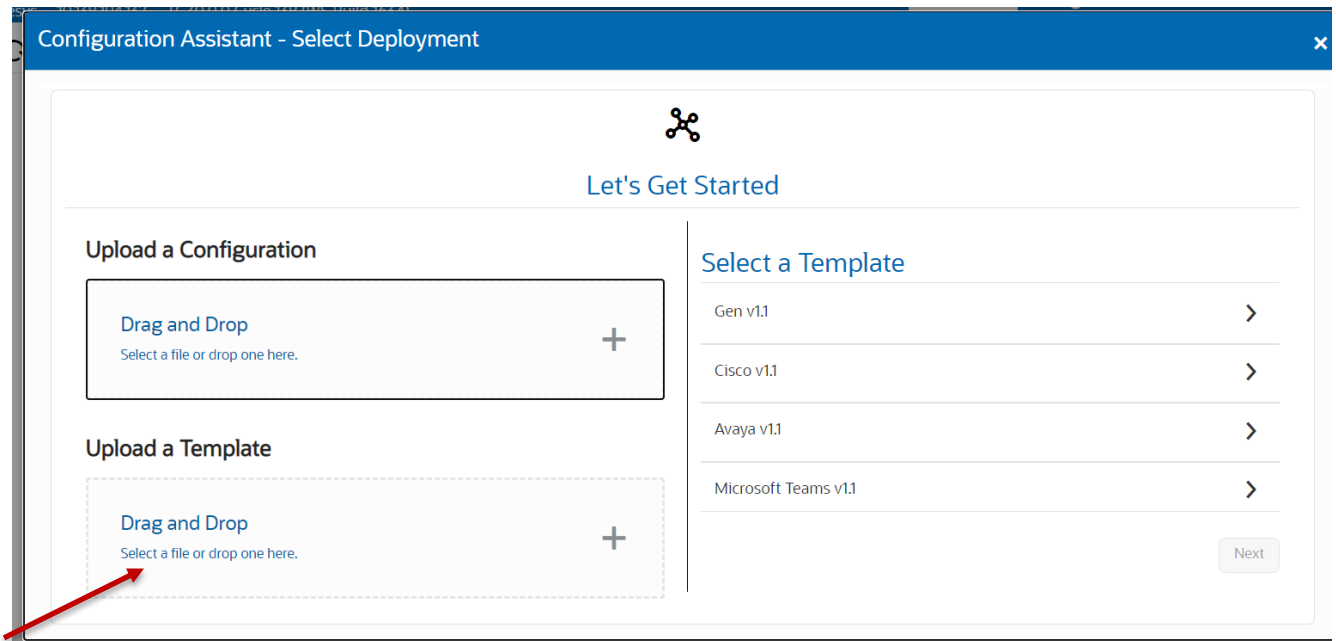
If you have already uploaded your template, then you can select Genesys SIP SERVER template as



shown.



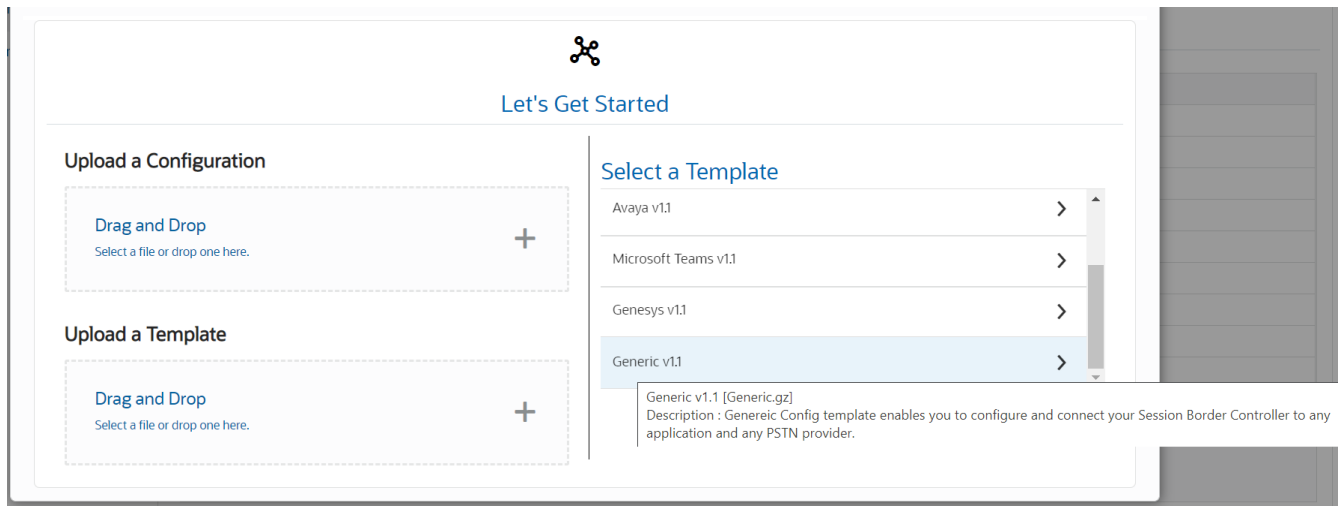
The Genesys template can also be uploaded directly to the SBC, by clicking on the upload a template option .



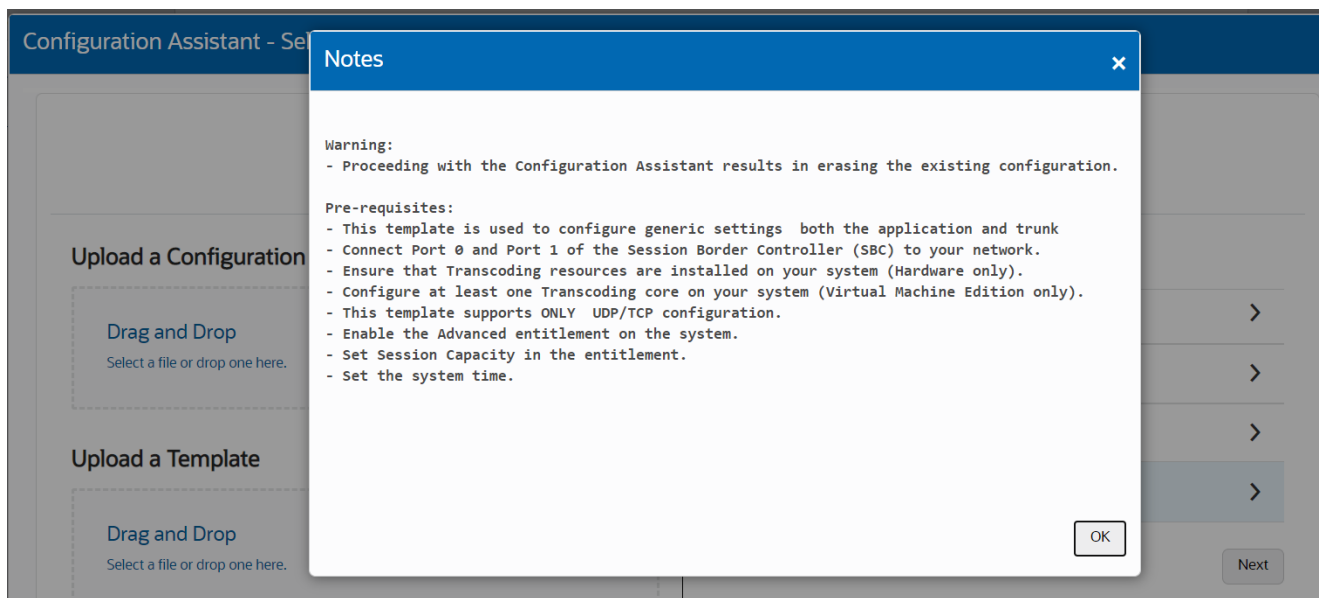
Note: The template is version controlled and has a version number next to the template name. Please specify this version while reporting issues.

6.1.3 Step-by step instruction to configure template

- Click on the template.
A brief description of the template appears.



- A notes section appears with Prerequisites and a Warning. Since it is a new setup you can ignore the warning. Read it carefully and make changes if required.



- On clicking next , the page to configure interface that communicates with Genesys SIP SERVER appears.

Tip: Always use the ? to know more

Here are some sample screenshots of the page.

Configuration Assistant - Genesys ESBC Network

1 2 3 4

Genesys ESBC Network PSTN Network Additional Configuration Transcoding

Let's configure the interface that communicates with Genesys ESBC

Enter Genesys hostname here ⓘ

Required

Enter the Genesys IP here ⓘ

Enter the Genesys port here ⓘ

Required

Port Number ⓘ

Port 0

Back Skip

Configuration Assistant - Genesys ESBC Network

1 2 3 4

Genesys ESBC Network PSTN Network Additional Configuration Transcoding

Let's configure the interface that communicates with Genesys ESBC

Slot Number ⓘ

Slot 0

Required

Network IP Address ⓘ

Required

Network IP subnet mask ⓘ

Required

Back Skip

Configuration Assistant - Genesys ESBC Network

1 Genesys ESBC Network 2 PSTN Network 3 Additional Configuration 4 Transcoding

Back Skip >

Let's configure the interface that communicates with Genesys ESBC

Network Gateway IP Address [?]
Required

Primary DNS server IP Address [?]
Required

DNS Domain [?]

Note: Once the mandatory parameters are filled in a page, a green tick appears on the top. There is also an option to skip a page and go to the next.

- On clicking next, the page to configure interface that communicates with PSTN appears.

Here are some sample screenshots of the page.

Configuration Assistant - PSTN Network

< Back

✓

2

3

4

Skip >

PSTN Network

Transcoding

Additional Configuration

Let's configure the interface that communicates with the PSTN

Enter the PSTN provider port here ⓘ

5060

Required

PSTN provider IP address ⓘ

68.68.117.67

Required

Port Number ⓘ

Port 1

Required

Configuration Assistant - PSTN Network

< Back

✓

2

3

4

Next >

PSTN Network

Transcoding

Additional Configuration

Let's configure the interface that communicates with the PSTN

Network IP subnet mask ⓘ

255.255.255.192

Required

Network Gateway IP Address ⓘ

141.146.36.65

Required

Primary DNS server IP Address ⓘ

DNS Domain ⓘ

- On clicking next , the page to configure transcoding on SBC appears.

12 | Page

1. You can enable or disable the configuration by clicking Yes or No
2. If you do not wish to configure transcoding click on Next.

Configuration Assistant - Transcoding

Back

✓

✓

3

4

Next

PSTN Network

Transcoding

Additional Configuration

Let's configure transcoding

Do you want to enable transcoding on the SBC? No Yes

Configuration Assistant - Transcoding

Back

✓

✓

3

4

Next

PSTN Network

Transcoding

Additional Configuration

Let's configure transcoding

Do you want to enable transcoding on the SBC? No Yes

Do you want to select media codecs for your PBX? No Yes

Do you want to select media codecs (SBC to PSTN)? No Yes

- Clicking next takes you to the next page where session agent capabilities can be configured

Configuration Assistant - Additional Configuration

Back

1 2 3 4 Review

PSTN Network Transcoding Additional Configuration

Lets configure Session Agent Capabilities

Do you want to enable OPTIONS ping towards your PBX? No Yes

Do you want SBC to handle call transfer from your PBX? No Yes

Do you want to enable OPTIONS towards your PSTN? No Yes

Do you want SBC to handle call transfer from your PBX? No Yes

Do you want to enable session translation on your PSTN? No Yes

Select your operation

Add

- Once review is clicked ,a brief summary of the configuration appears, where user can scroll down to check the whole configuration

Configuration Assistant - Summary

Download ▾
Apply

Configure your PBX here ✎ Edit

Enter the PBX IP here
172.18.0.124

Enter the PBX port here
4080

Port Number
Port 0

Slot Number
Slot 0

Network IP Address
172.18.0.139

Network IP subnet mask
255.255.0.0

Network Gateway IP Address

Generated Configuration

✎ Copy

```

codec-policy
  name GenericCodecPolicy
  allow-codecs *
  add-codecs-on-egress G722
codec-policy
  name PSTNCodecPolicy
  allow-codecs *
  add-codecs-on-egress PCMA
http-server
  name webServerInstance
local-policy
  from-address *
  to-address *
  source-realm Generic-Core
  policy-attribute next-hop 68.68.68.117
  realm PSTNRealm
local-policy
  from-address *
  to-address *
```

Configuration Assistant - Summary

Download ▾
Apply

Configure your PBX here ✎ Edit

Enter the PBX IP here
172.18.0.124

Enter the PBX port here
4080

Port Number
Port 0

Slot Number
Slot 0

Network IP Address
172.18.0.139

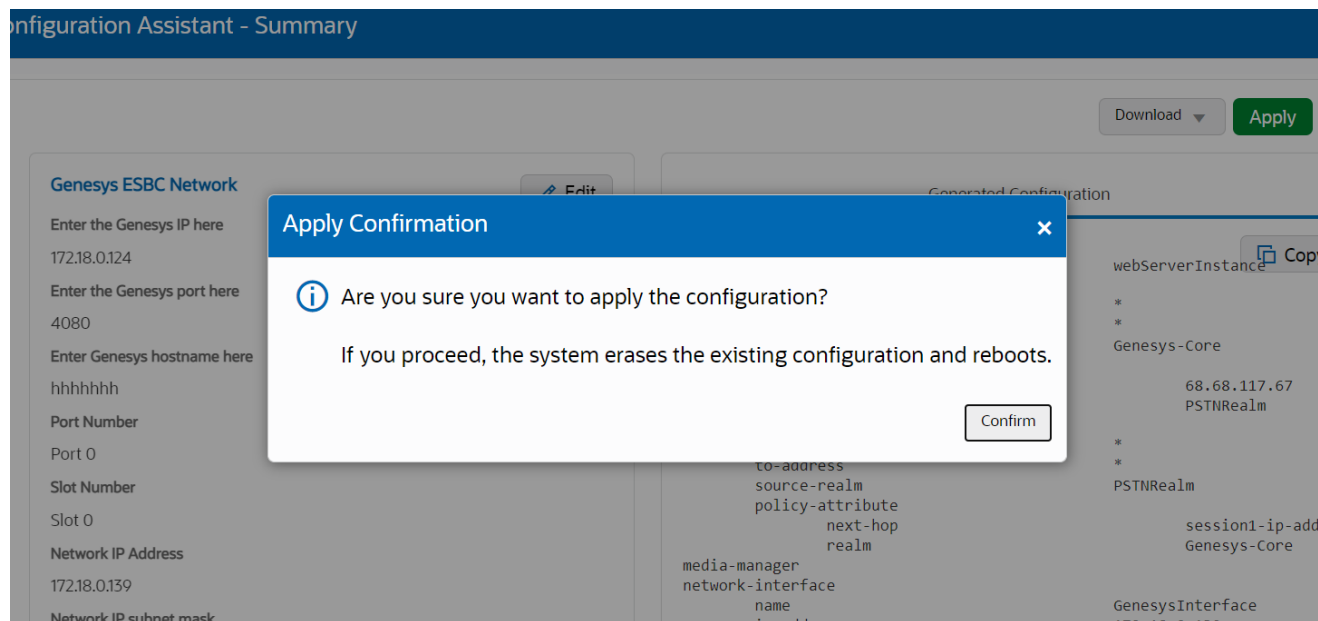
Network IP subnet mask
255.255.0.0

Network Gateway IP Address

```

ip-address 172.18.0.124
netmask 255.255.255.192
gateway 141.146.36.65
phy-interface
  name PBXInterface
  operation-type Media
phy-interface
  name PSTNInterface
  operation-type Media
  port 1
realm-config
  identifier Generic-Core
  network-interfaces PBXInterface:0.4
  mm-in-realm enabled
  codec-policy GenericCodecPolicy
realm-config
  identifier PSTNRealm
  network-interfaces PSTNInterface:0.4
  mm-in-realm enabled
  out-translationid addforPSTNtransl
  codec-policy PSTNCodecPolicy
session-agent
  hostname 172.18.0.124
  ip-address 172.18.0.124
  port 4080
```

Note: User can edit the entire configuration by clicking on the Edit button.



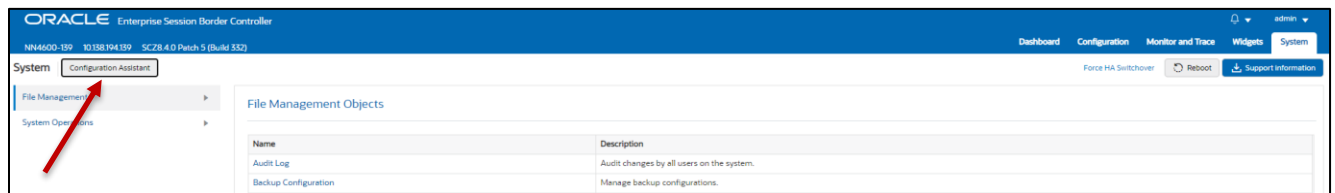
- On clicking the apply button a message to confirm the configuration appears.

Note: Once the Confirm button is selected, the SBC goes for a reboot and comes up with the above configuration.

6.1.4 Configuration Assistant Access

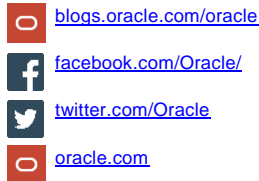
Upon initial login, if the Configuration Assistant Template does not immediately appear on the screen, you can access by clicking on the “**SYSTEM**” tab, top right of your screen.

Next, click on the “**Configuration Assistant**” tab, top left.



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