

ORACLE

Oracle SBC Configuration Template Outline
for a Generic Deployment

Technical Application Note



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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 generic Oracle SBC configuration and can be used with all application and 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 Generic Template

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

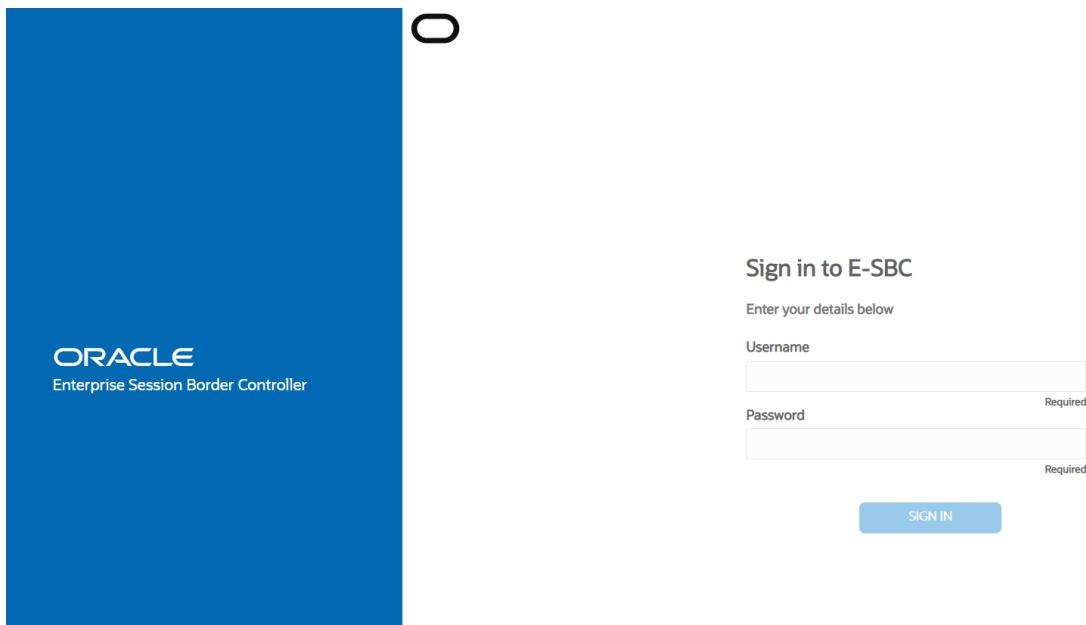
- Configured boot parameters for management access
- Setup Product
- Set Entitlements
- Configured HTTP-Server to establish access to SBC GUI

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 Generic.gz template



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

Configuration Assistant - Select Deployment

Let's Get Started

Upload a Configuration

Drag and Drop
Select a file or drop one here.

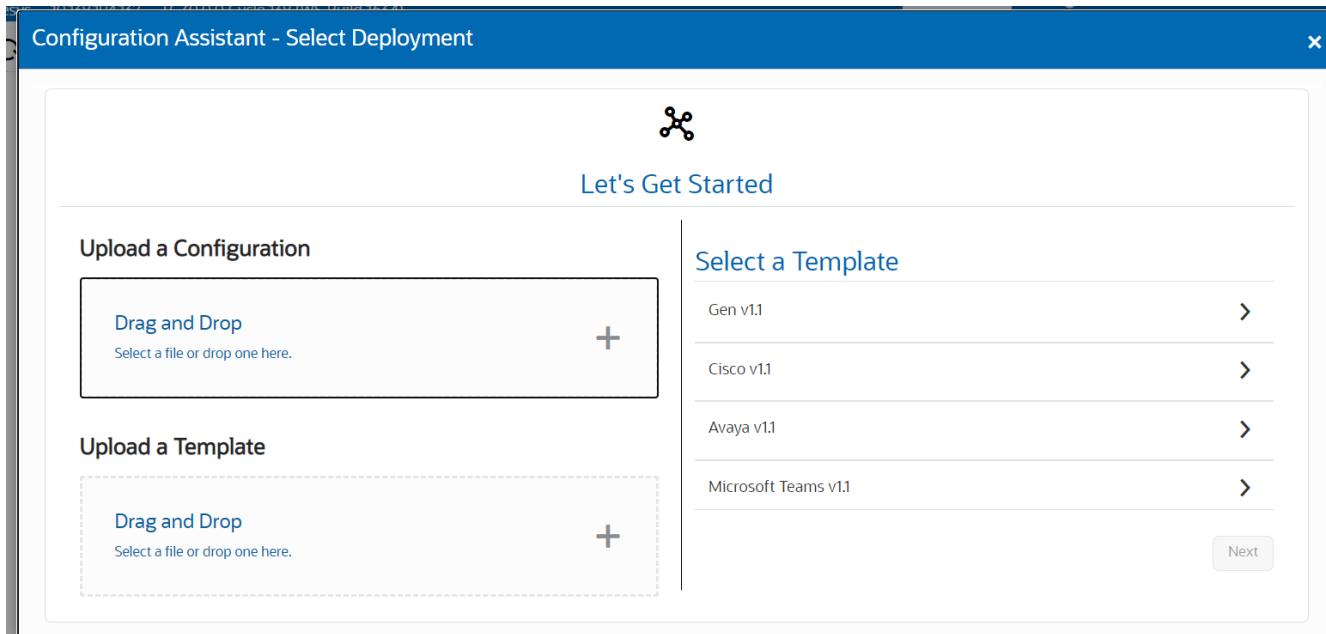
Upload a Template

Drag and Drop
Select a file or drop one here.

Select a Template

- Gen v1.1 >
- Cisco v1.1 >
- Avaya v1.1 >
- Microsoft Teams v1.1 >

Next



If you have already uploaded your template, then you can select Generic template as shown.

Configuration Assistant - Select Deployment

Let's Get Started

Upload a Configuration

Drag and Drop
Select a file or drop one here.

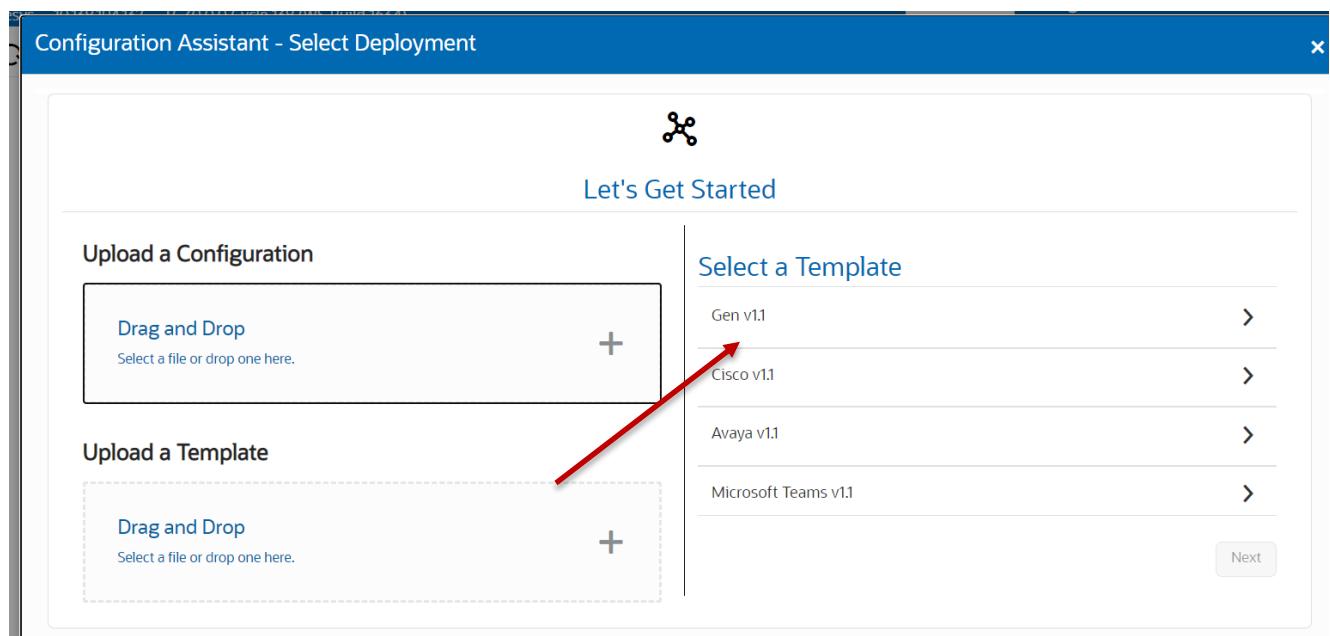
Upload a Template

Drag and Drop
Select a file or drop one here.

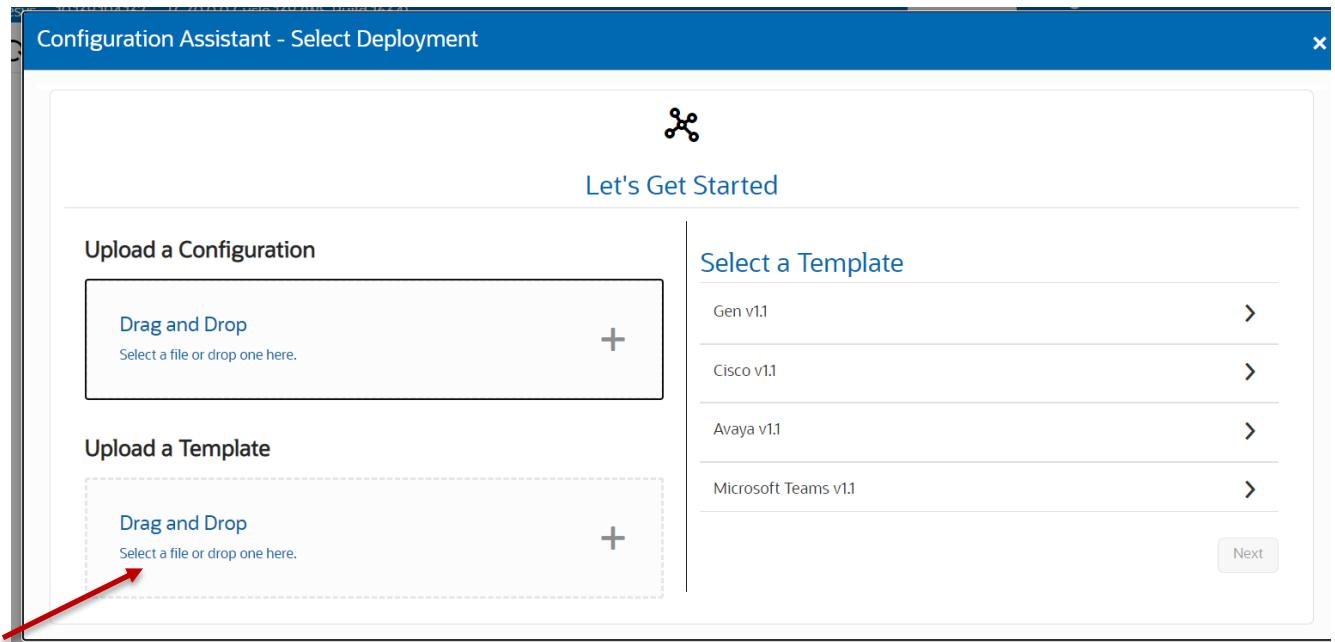
Select a Template

- Gen v1.1 >
- Cisco v1.1 >
- Avaya v1.1 >
- Microsoft Teams v1.1 >

Next



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

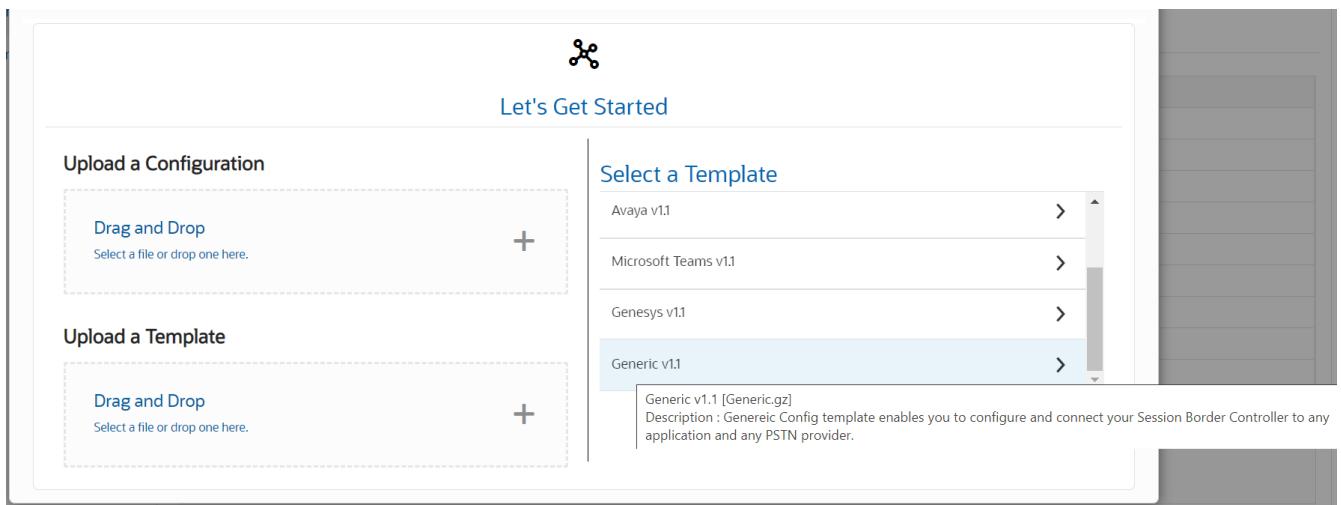


Note: The template is version controlled and has a version number next to the template name. Please specify this version while reporting issues.

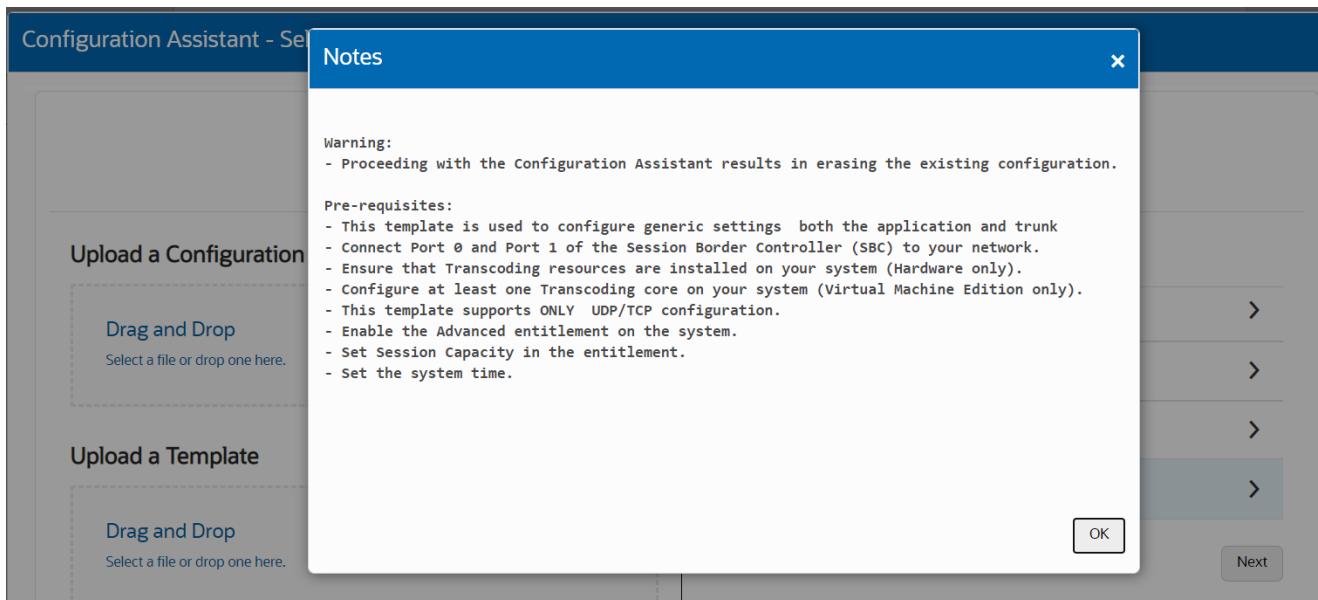
6.1.3 Step-by step instruction to configure template

- 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 PBX appears.

Tip: Always use the ? to know more

Here are some sample screenshots of the page.

Configuration Assistant - Configure your PBX here X

1 2 3 4 Skip >

Configure your PBX here PSTN Network Transcoding Additional Configuration

Let's configure the interface that communicates with your PBX

Enter the PBX IP here ?
172.18.0.124 Required

Enter the PBX port here ?
4080 Required

Port Number ?
Port 0 ▼
Required

Slot Number ?

Displaying 1 - 10 of 10

Configuration Assistant - Configure your PBX here

1 2 3 4

Configure your PBX here PSTN Network Transcoding Additional Configuration

Next >

Let's configure the interface that communicates with your PBX

Slot number: Slot 0 Required

Network IP Address: 172.18.0.139 Required

Network IP subnet mask: 255.255.0.0 Required

Network Gateway IP Address: 172.18.0.1

Configuration Assistant - Configure your PBX here

1 2 3 4

Configure your PBX here PSTN Network Transcoding Additional Configuration

Next >

Let's configure the interface that communicates with your PBX

Network IP subnet mask: 255.255.0.0 Required

Network Gateway IP Address: 172.18.0.1 Required

Primary DNS server IP Address: 8.8.8.8

DNS Domain: 8.8.8.9

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

Configure your PBX here **2** **3** **4** Skip >

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

Configure your PBX here **2** **3** **4** Next >

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 ⓘ
[empty input field]

DNS Domain ⓘ
[empty input field]

Configuration Assistant - PSTN Network

Configure your PBX here **PSTN Network** Transcoding Additional Configuration

Let's configure the interface that communicates with the PSTN

Slot Number ② Required
Slot 0

Network IP address ② Required
141.146.56.100

Network IP subnet mask ② Required
255.255.255.192

Next >

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

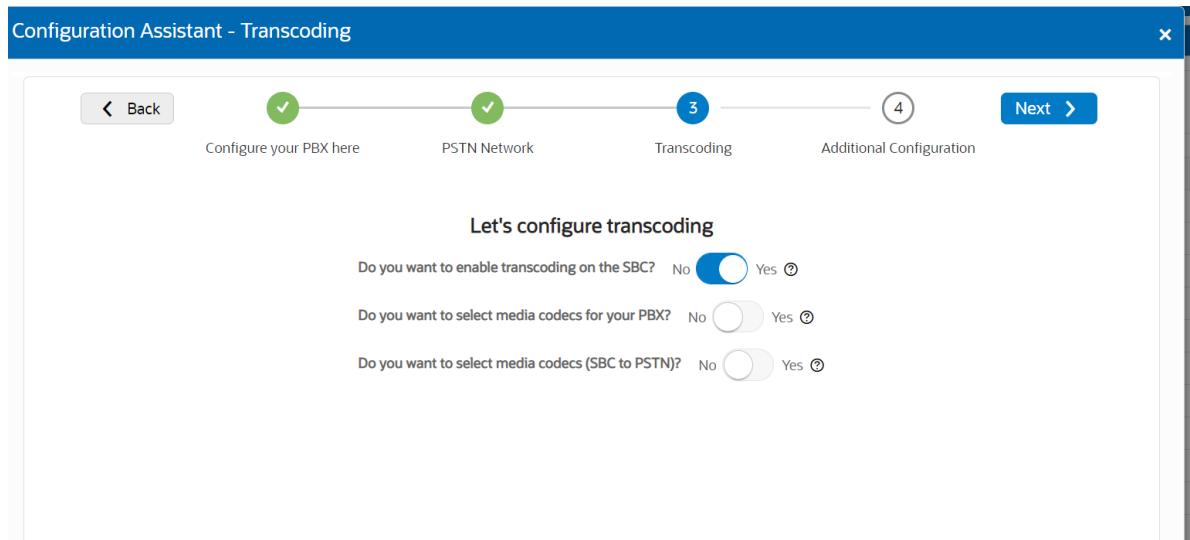
Configuration Assistant - Transcoding

Configure your PBX here **PSTN Network** **Transcoding** Additional Configuration

Let's configure transcoding

Do you want to enable transcoding on the SBC? No Yes ②

Next >



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

Configuration Assistant - Additional Configuration

Configure your PBX here PSTN Network Transcoding Additional Configuration

4

Review

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 PSTN? 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

Enter the PBX IP here
[Edit](#)

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

```

codec-policy
  name
  allow-codecs
  add-codecs-on-egress
  *
  GenericCodecPolicy
  G722

codec-policy
  name
  allow-codecs
  add-codecs-on-egress
  *
  PSTNCodecPolicy
  PCMA

http-server
  name
  webServerInstance

local-policy
  from-address
  to-address
  source-realm
  policy-attribute
    next-hop
    realm
  *
  *
  Generic-Core
  68.68.68.117
  PSTNRealm

local-policy
  from-address
  to-address
  *
  *

```

Configuration Assistant - Summary

Configure your PBX here

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

[Edit](#)

Download  [Apply](#)

Parameter	Value
netmask	255.255.255.192
gateway	141.146.36.65
phy-interface	PBXInterface
name	Media
operation-type	PSTNInterface
phy-interface	Media
name	1
operation-type	Port
realm-config	Generic-Core
identifier	PBXInterface:0.4
network-interfaces	enabled
mm-in-realm	GenericCodecPolicy
codec-policy	
realm-config	PSTNRealm
identifier	PSTNInterface:0.4
network-interfaces	enabled
mm-in-realm	PSTNCodecPolicy
out-translationid	
codec-policy	
session-agent	
hostname	172.18.0.124
ip-address	172.18.0.124
port	8000

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

Configuration Assistant - Summary

Download Apply

Genesys ESBC Network

Enter the Genesys IP here
172.18.0.124

Enter the Genesys port here
4080

Enter Genesys hostname here
hhhhhhh

Port Number

Port 0

Slot Number

Slot 0

Network IP Address
172.18.0.139

Network IP subnet mask

Generated Configuration

Apply Confirmation

Are you sure you want to apply the configuration?
If you proceed, the system erases the existing configuration and reboots.

Confirm

to-address
source-realm
policy-attribute
next-hop
realm
media-manager
network-interface
name
ip-address

68.68.117.67
PSTNRealm

session1-ip-add
Genesys-Core

GenesysInterface
172.18.0.139

webServerInstance Copy

*

*

Genesys-Core

*

*

PSTNRealm

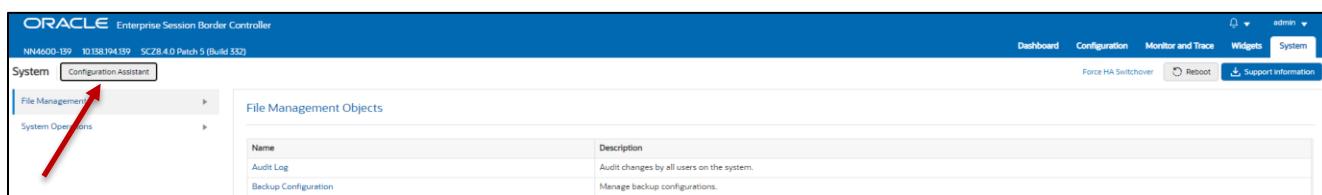
- On clicking the apply button a message to confirm the configuration appears.

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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