



ORACLE

Oracle SBC Configuration Template Outline for AT&T-IPFlex Sip Trunk with Avaya Session Manager

Technical Application Note

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COMMUNICATIONS



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1 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.

2 Introduction

When you first log on to the Oracle 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 Oracle 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](#)

3 Revision History

Version	Date Revised	Description of Changes
1.0	11/05/2021	Initial publication

4 Document Overview

This Oracle document describes how to use our Configuration Assistant feature as a quick and simple way to configure the Oracle SBC for integration with ATTIPFLEX SIP Trunk and Avaya Session Manager.

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 ATTIPFlexTrunkwithAvayaSM 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 Uploading the Template.

There are two ways the Template can be uploaded on the Oracle SBC.

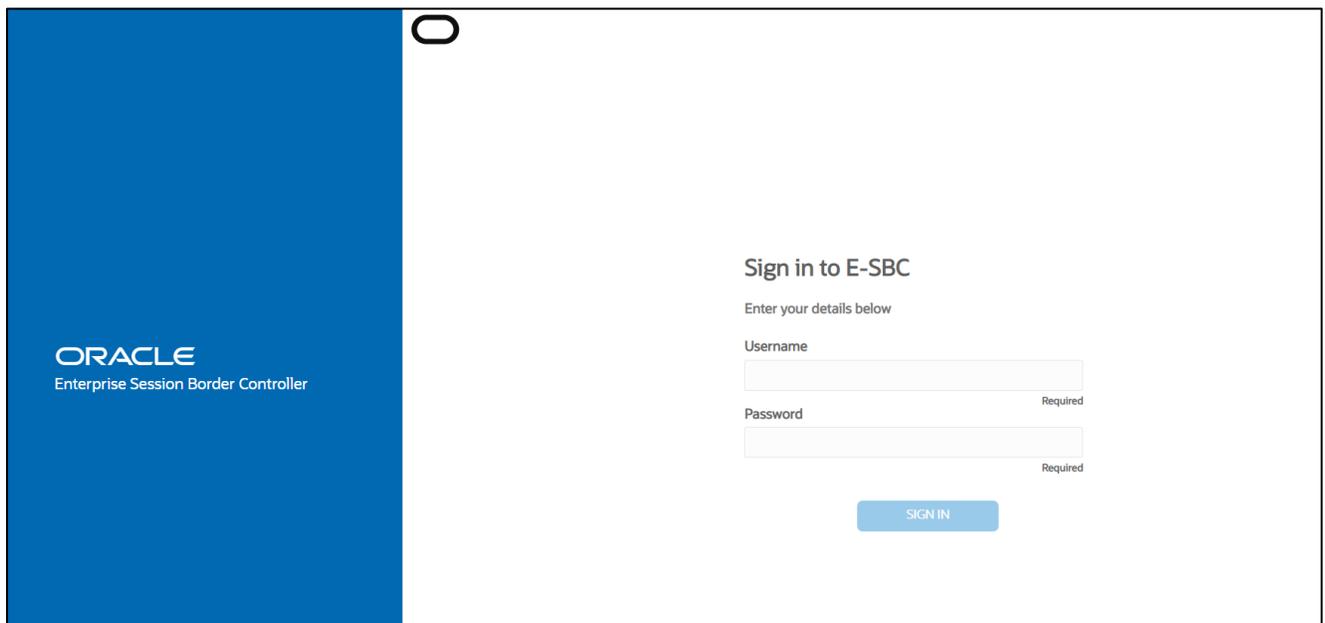
6.1.1 Through Oracle SBC WebGUI

The Oracle SBC WebGui can be access by entering the following in your web browser:

http(s)://<SBC Management IP>. The username and password are the same as that of the CLI.

You can Drag and Drop or Click on Drag and Drop to upload the Template

ATTIPFlexTrunkwithAvayaSM.xml.gz by clicking on the upload a template option on the SBC.



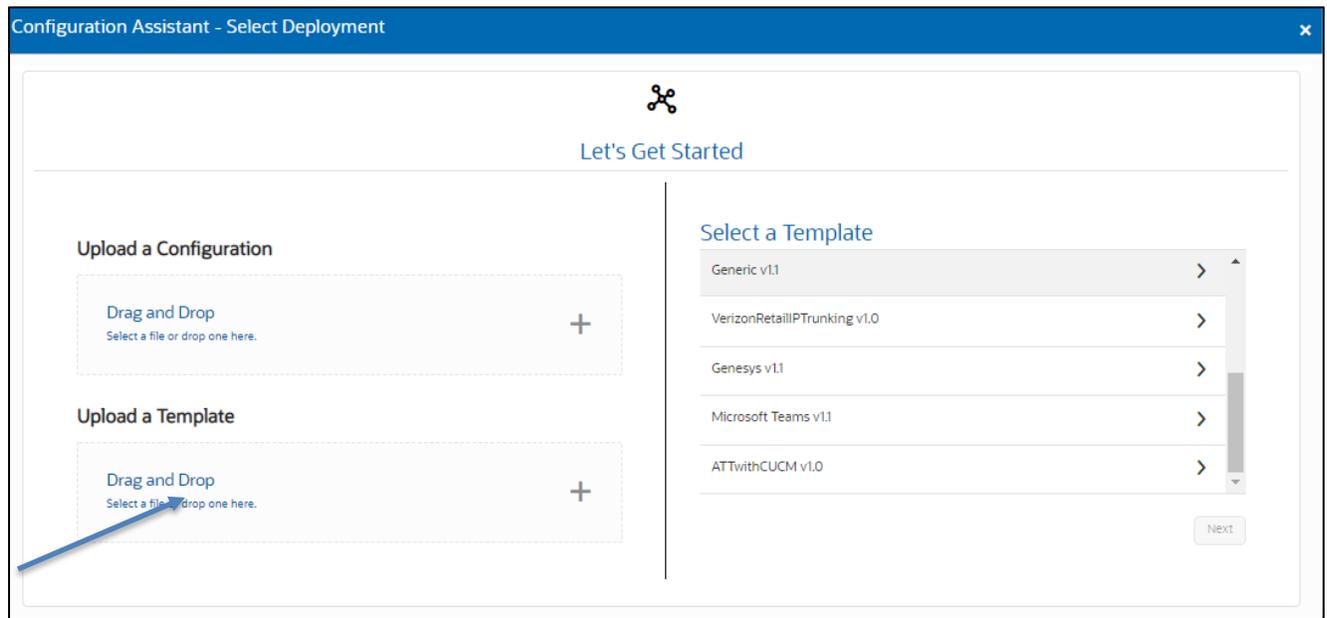
ORACLE
Enterprise Session Border Controller

Sign in to E-SBC
Enter your details below

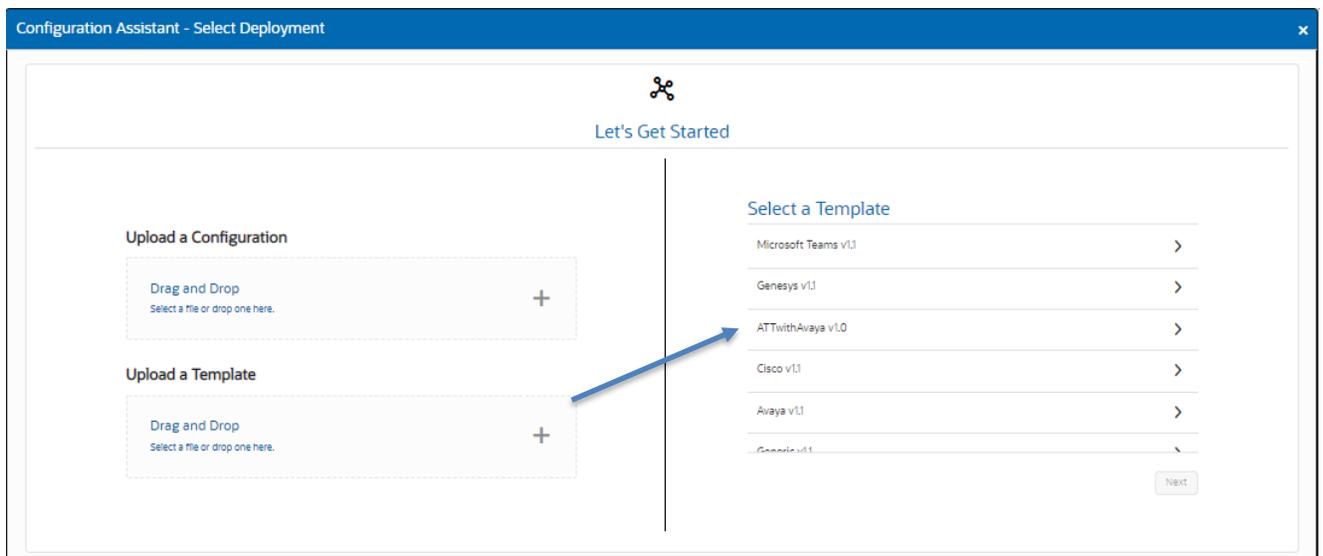
Username Required

Password Required

SIGN IN



Once uploaded, the Template will start reflecting on the Right hand side of the Configuration Assistant Widget.

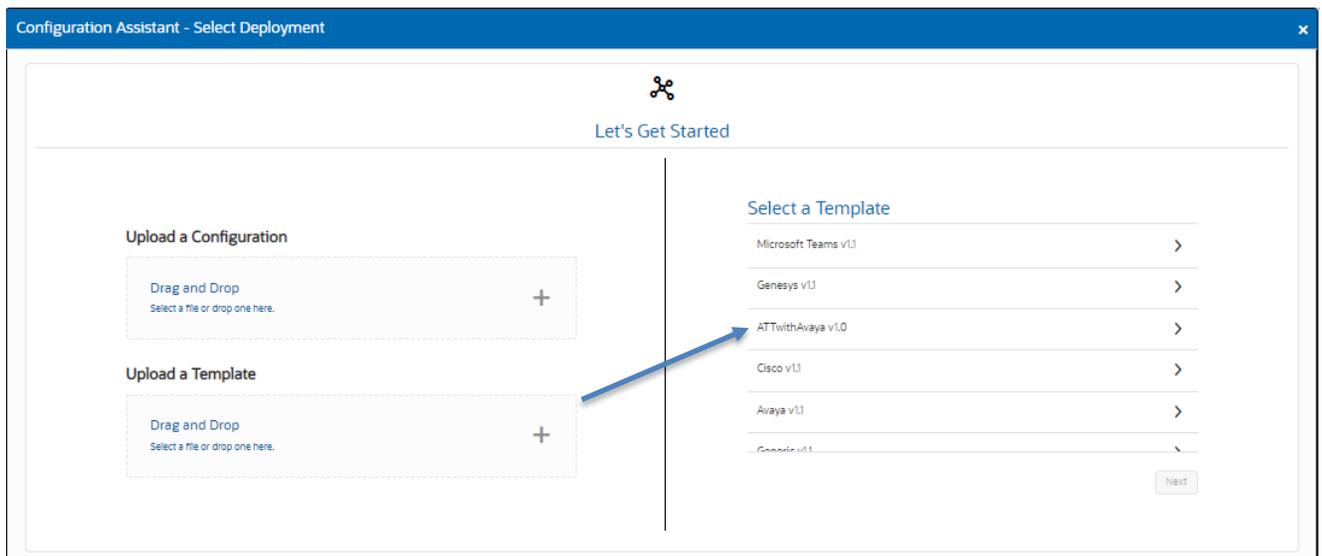


6.1.2 Through File Transfer Tools

You can also upload the Template onto the Oracle SBC through external file transfer tools such as Winscp or FileZilla. Upload the File into the /code/configAssistant/templates Directory of the SBC.

Below is a screenshot for an example upload through SFTP. Once uploaded, the Template will start reflecting on the Right hand side of the Configuration Assistant Widget on the Oracle SBC WebGUI.

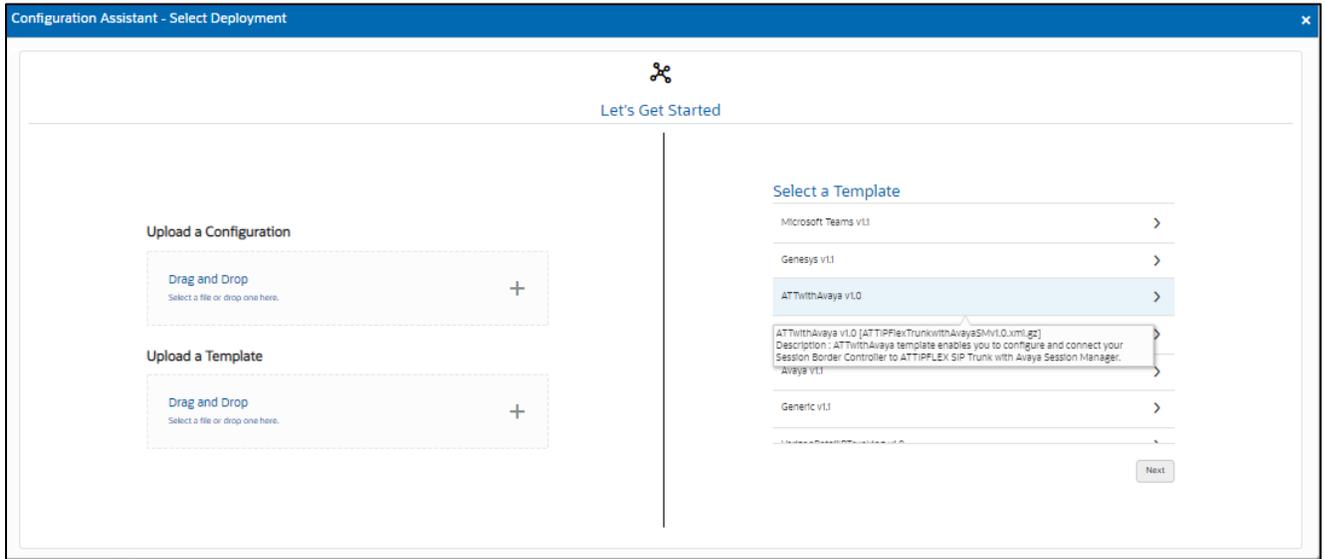
Name	Size	Changed	Rights	Owner
↑		2/25/2021 10:22:33 PM	rwxrwxr--	acme
MSTeams.gz	6 KB	5/11/2021 9:14:48 PM	rwxrwxr--	acme
ATTIPFlexTrunkwithAvayaSMv1.0.xml.gz	5 KB	5/11/2021 11:51:00 AM	rw-rwxr--	acme
ATTIPFlexTrunkwithCUCMv1.0.xml.gz	6 KB	5/11/2021 11:46:16 AM	rw-rwxr--	acme
VerizonRetailIPTrunking.gz	6 KB	5/7/2021 11:23:02 PM	rwxrwxr--	acme
Gen.gz	5 KB	5/7/2021 4:06:11 PM	rwxrwxr--	acme
Gen.xml.gz	5 KB	5/7/2021 3:28:16 PM	rwxrwxr--	acme
Avaya.gz	6 KB	5/4/2021 10:08:21 PM	rwxrwxr--	acme
Generic.gz	5 KB	5/4/2021 9:50:24 PM	rwxrwxr--	acme
Cisco.gz	6 KB	5/4/2021 9:50:08 PM	rwxrwxr--	acme
MSTeams-final.gz	6 KB	3/19/2021 9:27:38 PM	rwxrwxr--	acme



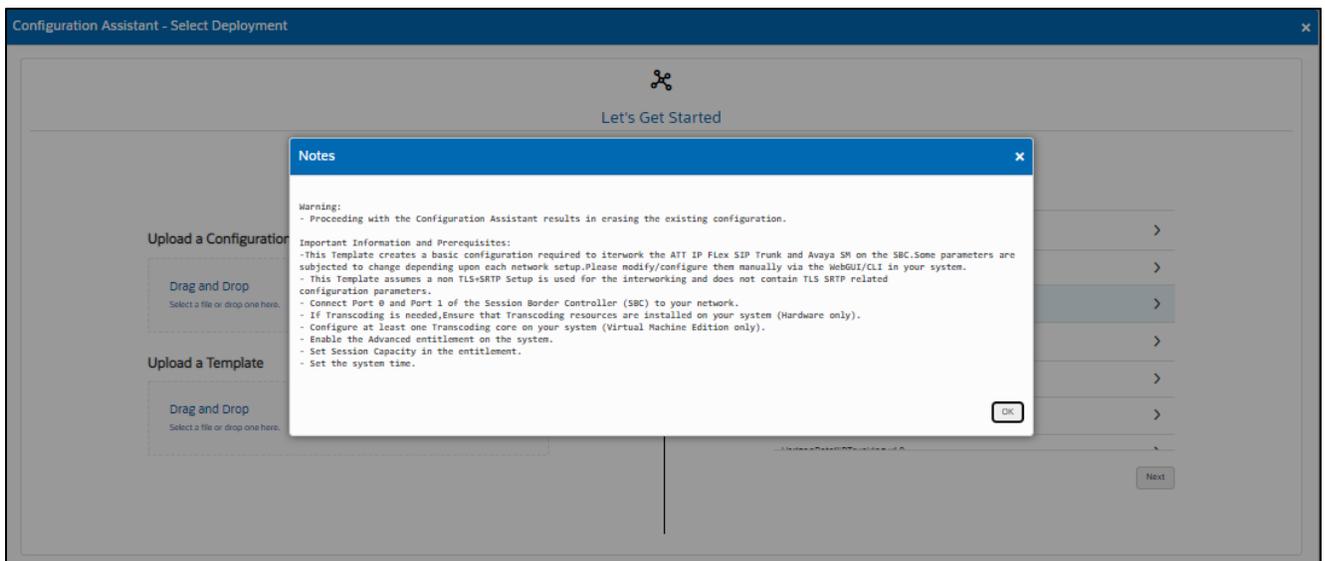
Note: The template is version controlled and has a version number next to the template name. Please specify this version while reporting issues.

6.2 Template Configuration

Once you highlight the ATTwithAvaya v1.0 template, you will see a pop up with the filename and description of the templates purpose:



A notes section appears with Prerequisites and a Warning. Read carefully before proceeding.



- Click **OK**

6.2.1 Page 1 – Configure AVAYA SM here.

You will arrive at the Page 1 of the Template where you will provide the information to connect to Avaya Session Manager.

Configuration Assistant - Configure Avaya SM here

1 Configure Avaya SM here 2 Configure ATTIPFLEX SIP Trunk Here 3 Transcoding 4 Additional Configuration Skip >

Let's configure the Avaya Session-Agent and the Network-Interface

Enter Avaya Session-Agent hostname here Required

Enter the Avaya Session-Agent IP Address here Required

Enter the Avaya Session-Agent SIP port here Required

Port Number Port 0 Required

Slot Number Slot 0 Required

Network IP Address Required

Network IP subnet mask Required

Network Gateway IP Address Required

Primary DNS server IP Address

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 Page if required.

6.2.2 Page 2 – Configure ATTIPFLEX SIP Trunk here.

After filling, the necessary details Click Next to go to Next page. You will configure AT&T IP Flex SIP Trunk side here.

Configuration Assistant - Configure ATTIPFLEX SIP Trunk Here

[Back](#)
✓
2
✓
4
5
[Skip](#)

Configure CUCM here
 Configure ATTIPFLEX SIP Trunk Here
 Offerless SDP configuration
 Transcoding
 Additional Configuration

Let's configure the ATTIPFLEX SIP Trunk Session-Agent and the Network-Interface

Enter ATT Session-Agent hostname here Required

Enter ATT Session-Agent IP Address here

Enter the ATT Session-Agent SIP Port here Required

Port Number Required

Slot Number Required

Network IP address Required

Network IP subnet mask Required

Network Gateway IP Address Required

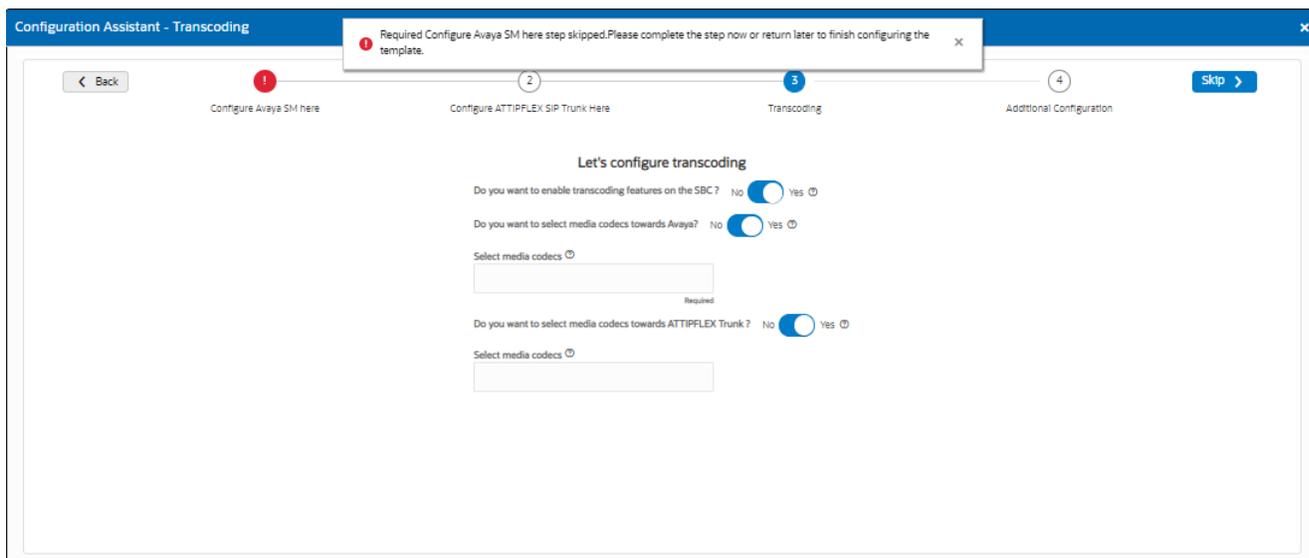
Primary DNS server IP Address

DNS Domain

6.2.3 Page 3 - Transcoding

Click Next to Navigate to Transcoding Section of the Template.

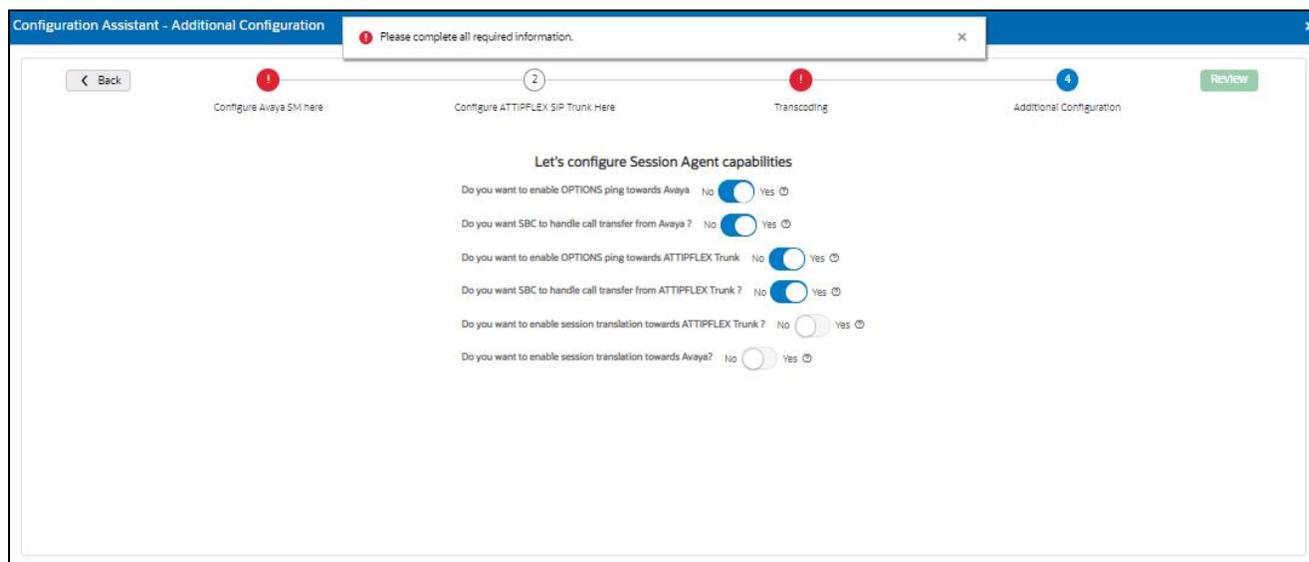
- You can enable or disable the configuration by clicking Yes or No
- If you do not wish to configure transcoding click on Next.
- We have created default set of Codec Profiles on the SBC. If this does not suit your Network requirement you can skip the section and configure relevant Codec-Policy on the SBC manually through the WebGUI or the ACLI configuration.



6.2.4 Page 4 - Additional Configuration

Click Next and the Template will navigate to Additional Configuration Section.

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



6.2.5 Review

At the end of the template, you will notice in the top right, a "Review" tab. If all pages presented across the top are showing green, indicating there are no errors with the information entered, click on the "Review" tab:

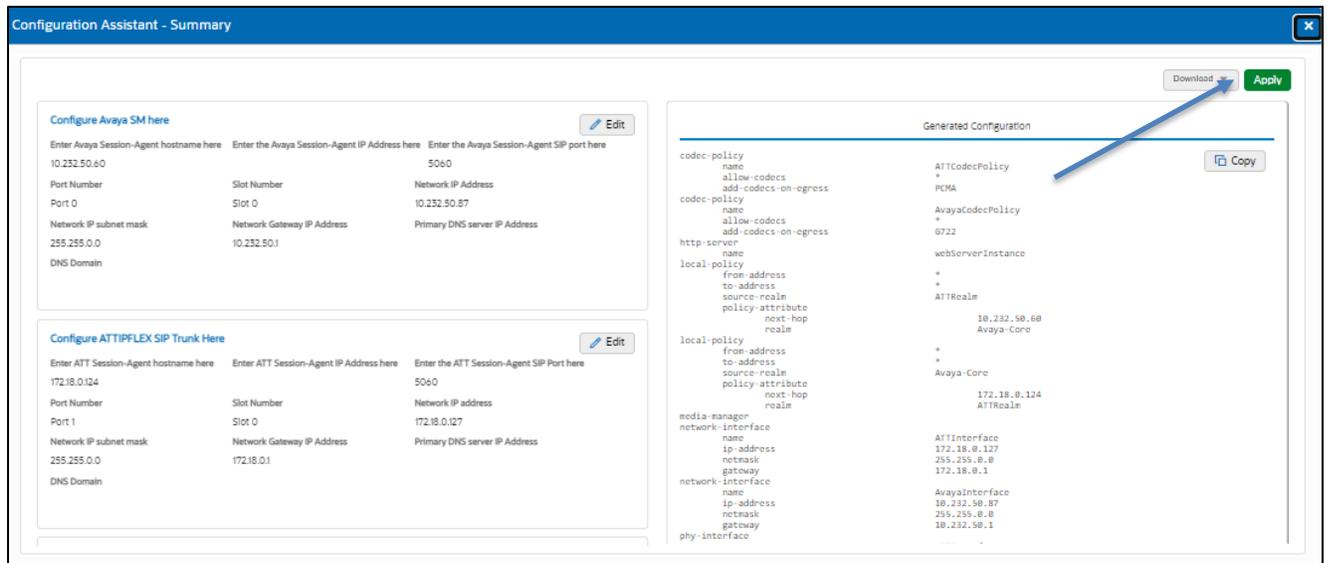
- On the left side of the review contains the entries for each page. Each page has an “*Edit*” tab that can be used to make changes to the information entered on that specific page without having to go through the entire template again.
- On the right side of the review page, under the “*Generated Config*” tab is the ACLI output from the SBC. This is the complete configuration of the SBC based on the information entered throughout the template.

The screenshot shows the 'Configuration Assistant - Summary' interface. On the left, there are two configuration sections: 'Configure Avaya SM here' and 'Configure ATIPFLEX SIP Trunk Here'. Each section contains a table of fields for hostname, IP address, port, and network settings. On the right, the 'Generated Configuration' section displays the resulting ACLI output for the SBC, including codecs, policies, and network interfaces.

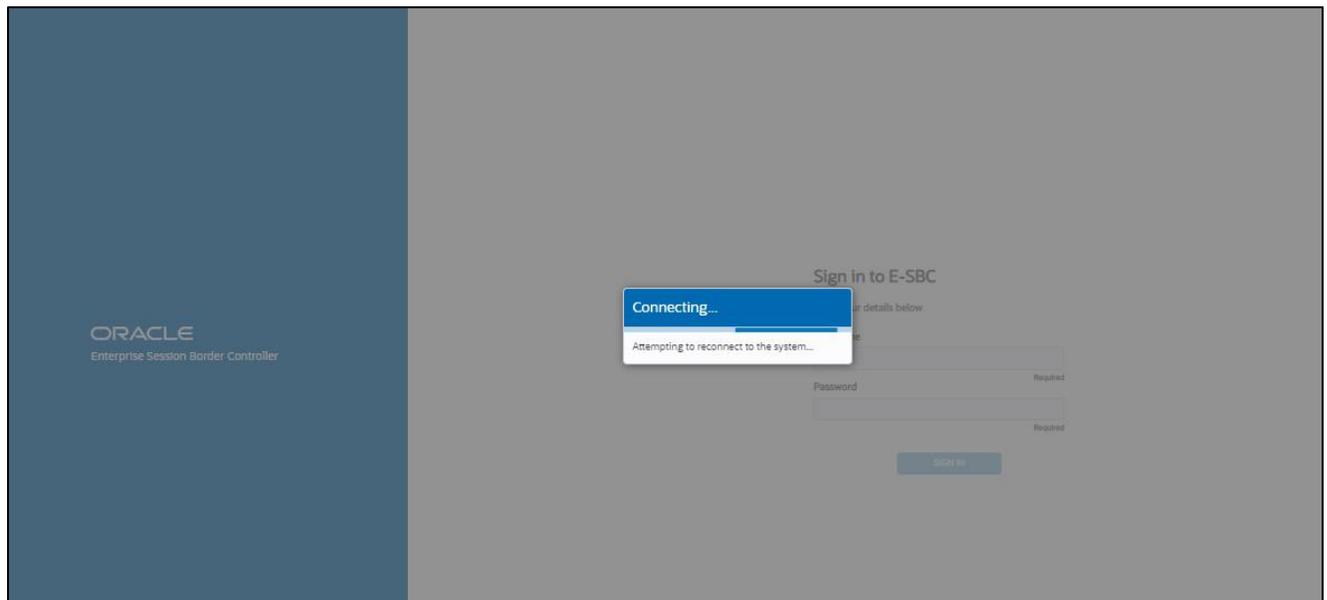
User can edit the entire configuration by clicking on the Edit button.

This screenshot is identical to the previous one, but with a red arrow pointing to the 'Edit' button located at the top right of the 'Configure Avaya SM here' configuration table.

- The template provides you with the ability to “Download” the config by clicking the “*Download*” tab on the top right. Once you are ready Click Apply to apply the configuration onto the SBC.



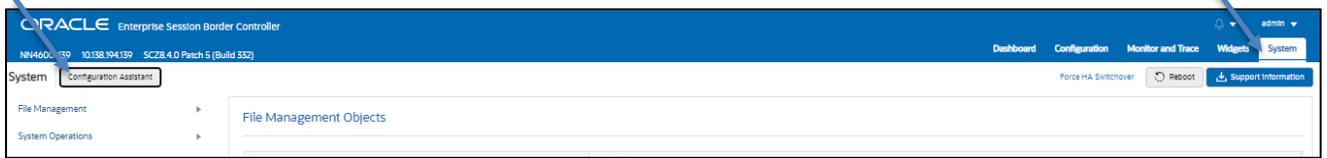
Now you can click **“Confirm”** to confirm you want to apply the configuration to the SBC. The SBC will reboot. When SBC comes back up, the SBC will have a basic configuration in place for interworking of Oracle SBC with ATTIPFLEX SIP Trunk and Avaya Session Manager.



7 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.



This allows end users to access the Configuration Assistance at any time through the SBC GUI.



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