The *Configuration Workflows and Templates* object:

- guides you through a process in the application
- presents a series of steps so you can configure one at a time in sequence
- includes steps that contain text, images, or user-configurable settings and attributes
- may allow the repetition of certain steps
- supports committing the configuration to the SBC either by step or at the end of the workflow
- can be enhanced - new workflows may be made available in the Salesforce customer portal
- existing workflow can be customized or new workflow can be created and uploaded to EMA

A configuration template workflow is a sample configuration that guides you through the process of data entry for a particular scenario. The sample configuration includes default values for some of the settings - you can accept or override these settings before loading the workflow onto the SBC.

On the SBC main screen, navigate to *Configuration > Configuration Wizards*. The *Configuration Workflows and Templates* window is displayed.

**Figure 1:** EMA Workflow Screen
Generic Information

Workflow Source

The EMA workflow is sourced into two different types. This is indicated by the Source column in Configuration Template Workflows.

- **Sonus Workflow** – Sonus workflows are attached along with the SBC, which is indicated by **Sonus** in the Source column. You cannot delete the Sonus workflow.
- **User-added Workflow** – The workflows that are downloaded from Salesforce, customized you, and uploaded it back to the EMA using File Upload screen. This is indicated by **User** in Source column.
Launching Workflow

To launch the workflow, click

in the Launch column.

Deleting Workflow

To delete the workflow, click

in the Delete column.

Note
You can delete only user-added workflows.

Orientation of Workflow

This section describes the navigation of workflow and commands associated with it. After launching the workflow, the workflow home page opens.

Figure 2: Workflow Home Page

Workflow Title and Steps

After launching the template workflow, a new screen opens with the workflow title and the steps associated with it.

Figure 3: Workflow Title and Steps
The workflow steps are displayed in a vertical list and you can navigate through the steps using the **Next** and **Back** buttons.

**Navigation Buttons**

Navigation is sequential - you can navigate to the next step or previous step. You cannot skip a step.

**Table 1: Navigation Buttons**
<table>
<thead>
<tr>
<th>Navigation Buttons</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Next Button" /></td>
<td>Click the <strong>Next</strong> button to navigate to the next step in the workflow. This is displayed in all the steps in the workflow except the last step. The <strong>Next</strong> button is disabled on the mandatory steps until you submit the configuration. Once you submit the configuration, the <strong>Next</strong> button is enabled so you can navigate to the next step.</td>
</tr>
</tbody>
</table>

| ![Submit Button](image) | The **Submit** button is displayed in every step. You can perform the following using the **Submit** button.  
- Validate and check all the tokenized CLI fields in complete state. If any required fields are incomplete, an error message is displayed.  
- Submit the tokenized CLI values to the SBC.  
  - The **Submit** button is not visible for the static workflow steps.  
  - The **Submit** button is always enabled for the template workflow steps. |

| ![View Config Details Button](image) | The **View Config Details** button is displayed in every step. Click the **View Config Details** button to view:  
- CLI commands for non-tokenized workflow step.  
- CLI commands with all the tokens filled for tokenized workflow step. |

| Configuration Details | The **Configuration Details** dialog is generated after you click **View Config Details**. The dialog shows the CLI commands that will be submitted to the SBC.  
Click **X** to close the dialog. |

| Show only required fields | This option displays only the mandatory fields required for configuration in each template workflow steps that do not have default values provided. |

**Static Workflow Step**

These steps are provided to give an overview of the current workflow process and to inform you about any prerequisite required for the workflow. (Your interaction is required to proceed to next step.)

The static workflow step displays only text, images, and hyperlinks.

**Figure 4**: Static Workflow Step
Template Workflow Step

The template workflow steps are linked to CLI commands. For simplicity and ease of use, these commands are not visible to you in the UI (although you can still use the CLI if you wish). You will instead see text, images, hyperlinks, and forms in which to enter tokenized values.

Once you click the Submit button in that particular step, the EMA loads the CLI commands to the SBC. The CLI commands for a template step are categorized into:

- Tokenized CLI – You must input the value for the tokenized CLIs before submitting the configuration step. The workflow template identifies fields that can be customized through "tokens" in the CLI. The tokens in the CLI are replaced with the values you enter. You must complete all input fields before the tokens in tokenized CLIs can be updated. For example, if a CLI command includes a token for an
IP address, the IP address input field is presented to you, and the value entered in this field replaces the corresponding token in the CLI command before submitting it to the SBC.

**Figure 5**: Tokenized CLI Step

![Tokenized CLI Step](image1)

Non-Tokenized CLI Steps – Steps with CLI commands that do not require any input from you.

**Figure 6**: Non-Tokenized CLI Step

![Non-Tokenized CLI Step](image2)
Configuration Template Workflows

Templates are included in the Configuration Template Workflow sections. For example, the Sonus template named Skype for Business is included in the SBC. This template helps you configure inbound and outbound call flows between the SBC Core and Microsoft Skype for Business using TCP and SRTP.

<i>Note</i>
This workflow does not include TLS configuration.

Step 1 – Launching Workflow
Figure 7: Skype for Business - Step 1

Step 2 – Description

Figure 8: Skype for Business - Step 2

Step 3 – Reference Configuration

Figure 9: Skype for Business - Step 3
Step 4 – Prerequisites

**Figure 10**: Skype for Business - Step 4

Step 5 – Global Configuration

The concept of tokenized CLI starts from the Global Configuration. The tokenized CLIs (marked in red) are user-defined parameters, which are customized based on the requirements. Click View Config Details tab to view the configuration.
Figure 11: Skype for Business - Step 5

Figure 12: Global Config - View Config Details
Configuration Details

#DESCRIPTION: The following global configuration will be loaded
#DESCRIPTION:
#DESCRIPTION: Codec Entry
#DESCRIPTION: A Codec entry will be created with the supported codec on the network.
#DESCRIPTION: RTCP
#DESCRIPTION: The RTCP interval will be configured.
#DESCRIPTION: SIP Domain
#DESCRIPTION: The global SIP Domain will be specified.

#CODECS
configure
set profiles media codecEntry G711_2833_20
set profiles media codecEntry G711_2833_20 codec g711 dtmf relay rfc2833
set profiles media codecEntry G711_2833_20 packetSize 20
commit

set profiles media codecEntry G711S_2833_20 codec g711ss sendSid enable dtmf relay rfc2833
set profiles media codecEntry G711S_2833_20 packetSize 20
commit

set profiles media codecEntry G711A_2833_20 law ALaw codec g711 packetSize 20 dtmf relay rfc2833
commit

set profiles media codecEntry G712_2833_20 packetSize 20
commit

set profiles media codecEntry G711S_2833_20 codec g711ss sendSid enable dtmf relay rfc2833
set profiles media codecEntry G711S_2833_20 packetSize 20
commit

set profiles media codecEntry G711A_2833_20 law ALaw codec g711 packetSize 20 dtmf relay rfc2833
commit

#RTCP

set system media mediaRtcpControl senderReportInterval 5
commit

#SIP Domain

set global sipDomain med1.testnetwork.com
set global sipDomain med2.testnetwork.com
set global sipDomain med3.testnetwork.com
set global sipDomain med4.testnetwork.com
set global sipDomain med5.testnetwork.com
commit

#DESCRIPTION: DSP Resource Allocation
#DESCRIPTION: DSP resources will be configured. This configuration only applies if the SBC has been deployed with (hardware) DSP resources. If it was not - executing this configuration step has no negative impact. Subsequent configuration sections (Packet service profiles) do not attempt transcoding, so lack of compression resources will not impact the overall SBC configuration in this document.

#DSP Resources
set system mediaProfile compression 75 tone 25
commit

Figure 13: Skype for Business - Step 5 (continued)
Step 6 – Global Profiles

Figure 14: Skype for Business - Step 6

Figure 15: Global Profiles - View Config Details
Step 7 – Skype-side Profiles

Figure 16: Skype for Business - Step 7

Figure 17: Skype Side Profiles - View Config Details
Step 8 – Create Skype-side Interface Group

Figure 18: Skype for Business - Step 8

Figure 19: Skype Side Interface Group - View Config Details
#DESCRIPTION: IP Interface Group
#DESCRIPTION: Configure the IP Interface Group.
set ip interface
#IP Interface Group
set ip interface group 100
set ip address context li interface group 100
set ip address context li interface group 100 10.10.10.10 255.255.255.255
set interface li interface group 100
set interface li interface group 100 mode int-service data enabled
commit