Oracle Applications Cloud

Getting Started with Oracle Digital Assistant for Cloud Applications

22B
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Get Help

There are a number of ways to learn more about your product and interact with Oracle and other users.

Get Help in the Applications
Use help icons to access help in the application. If you don't see any help icons on your page, click your user image or name in the global header and select Show Help Icons.

Get Support
You can get support at My Oracle Support. For accessible support, visit Oracle Accessibility Learning and Support.

Get Training
Increase your knowledge of Oracle Cloud by taking courses at Oracle University.

Join Our Community
Use Cloud Customer Connect to get information from industry experts at Oracle and in the partner community. You can join forums to connect with other customers, post questions, suggest ideas for product enhancements, and watch events.

Learn About Accessibility
For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program. Videos included in this guide are provided as a media alternative for text-based topics also available in this guide.

Share Your Feedback
We welcome your feedback about Oracle Applications user assistance. If you need clarification, find an error, or just want to tell us what you found helpful, we'd like to hear from you.

You can email your feedback to oracle_fusion_applications_help_ww_grp@oracle.com.

Thanks for helping us improve our user assistance!
1 Get Started

About This Guide

If you want to configure digital assistant for Cloud Applications, this guide is for you. Use it to learn how to do general tasks, such as configure, access, set up, export, and import digital assistant for your Cloud Applications.

You can also learn how to configure several channels to associate them with digital assistant. If you're looking for information about any product-specific skills, refer to the product-specific guides.

Overview

Use Oracle Digital Assistant to improve user satisfaction and make your application more engaging. With digital assistant, your users get instant responses from the application through conversations. You can configure digital assistant and use it.

Related Topics

- Oracle Digital Assistant Documentation

Before You Start

Consider these points before you get started with configuring digital assistant for your users.

- Make sure you have subscribed to the services related to digital assistant.
- Get a Twilio account to configure Oracle Digital Assistant on SMS channel. Make sure that you note down the account SID, authentication token, and phone number from your Twilio account. For more information on Twilio account, see https://www.twilio.com/.

Here are a few URLs you must know:

<table>
<thead>
<tr>
<th>Application</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identity Cloud Service</td>
<td>https://&lt;Identity Domain ID&gt;.identity.oraclecloud.com/ui/v1/adminconsole</td>
</tr>
<tr>
<td>Oracle Applications Cloud</td>
<td>https://&lt;Fusion domain&gt;.fa.&lt;data center&gt;.oraclecloud.com/fscmUI/faces/FuseWelcome</td>
</tr>
</tbody>
</table>
Related Topics
• Enterprise Resource Planning
• Digital Assistant
• Oracle Applications Products
• Twilio

Where to Find Information About Product-Specific Digital Assistants

Here are some resources to help you get going.

Oracle Sales Assistant
• Get started with Oracle Sales Assistant.
  See: Oracle Sales Assistant

Oracle Expense Assistant
• Get started with Oracle Expense Assistant.
  See: Overview of Expense Assistant
• Learn about setting up Oracle Expense Assistant.
  See: Overview of Setting up Expense Assistant

Oracle Account Reconciliation Cloud Service Skill (EPM)
• Get started with ARCS for Oracle Digital Assistant.
  See: Using the EPM Account Reconciliation Skill with Fusion Applications Digital Assistant

Oracle Public Sector Compliance and Regulation Assistant
• Get started with digital assistant for Community Development Permits.
  See: Using Digital Assistance for Community Development Permits Assistant
• Get started with digital assistant for Community Development Planning and Zoning.
  See: Using Digital Assistance for Community Development Planning and Zoning
2 Configure Digital Assistant

Overview of Configuring Digital Assistant

Your project users access digital assistant with a specific user role. So you can assign the user roles to them, such as administrator, developer, and business user.

Watch video

You must train your digital assistant, configure channels, and associate them with your digital assistant. Once you set up your digital assistant, you can test it to check whether it's working correctly on your desktop and mobile devices.

Security Integration of Digital Assistant with Cloud Applications

Here are the key security aspects of the integration between Oracle Digital Assistant (ODA) and Fusion-based Oracle Cloud Applications services.

Security Overview

Oracle Digital Assistant is a native Oracle Cloud Infrastructure (OCI) service, which is available in both the Public Commercial and Government regions. Digital Assistant is also accredited as FedRAMP compliant. Digital Assistant uses FIP encryption everywhere for data in transit and for data at rest.

You integrate Oracle Cloud Applications with Digital Assistant at provisioning time. When an FA customer pod is provisioned, a dedicated Digital Assistant service instance is provisioned for that Fusion pod. This pairing enables Oracle Cloud Applications and Digital Assistant to be associated with each other.

Here are the key aspects of the pairing:

- The Oracle Cloud Application Digital Assistant package, which includes the Oracle Cloud Application Authentication Service, is installed and configured on the Oracle Cloud Application pod. Among other things, this configuration sets up the security groups and policies.
- In Digital Assistant, an Authentication Service is set up and configured to the Oracle Identity Cloud Service (IDCS) stripe of the Oracle Cloud Application pod.
- In Digital Assistant, an Oracle Web channel is configured. You may also add additional channels based on your needs.

Runtime Security

This diagram illustrates how a conversation works at runtime and the security features that supports it.
This table describes the steps illustrated in the diagram.

<table>
<thead>
<tr>
<th>Callout Number</th>
<th>Data Flow</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fusion End User to Channel</td>
<td>The Fusion End user starts a conversation by entering a message through an Oracle Web channel in Digital Assistant. Note: Configuration of the Web settings is a manual process in both the Digital Assistant service instance and the FA Designer.</td>
</tr>
<tr>
<td>2</td>
<td>Channel to ODA Service Instance</td>
<td>The channel sends the Digital Assistant service instance the encrypted message through the channel security. See Configure Client Authentication</td>
</tr>
<tr>
<td>3</td>
<td>FA Skill to FA Authentication Service within ODA Service Instance</td>
<td>The message is routed to the Digital Assistant-based (FA) skills in the Digital Assistant service instance, which then triggers the FA Authentication Service.</td>
</tr>
<tr>
<td>4</td>
<td>FA Authentication Service to Fusion IDCS App</td>
<td>The FA Authentication Service (FAAS) checks if the user has been authenticated with IDCS. If not, FAAS sends an OAuth access token request to the IDCS server. This redirects to the IDCS Sign In page, prompting the user to sign in.</td>
</tr>
<tr>
<td>5</td>
<td>Fusion End User to Fusion IDCS App</td>
<td>The FA user enters the user name and password.</td>
</tr>
<tr>
<td>6</td>
<td>Fusion IDCS App to FA Authentication Service</td>
<td>After the user is successfully authenticated, the IDCS server returns both an access token and a refresh token back to the FA Authentication Service. This process happens within the FA skill’s OAuth access token flow. The access token has default expiration period of 8 hours, and the refresh token has expiration period of 7 days.</td>
</tr>
<tr>
<td>7</td>
<td>FA Authentication Service to FA Skill</td>
<td>In the same channel if the user sends any additional requests within the 8-hour expiration window, the same access token will be used. In the same channel if the user sends any additional requests beyond the 8 hours and less than 7 days, then FAAS will request a new access token via refresh token.</td>
</tr>
<tr>
<td>8</td>
<td>FA Skill to a Fusion Application Pod</td>
<td>The FA Skill sends a rest API request with the access token received in step 6. The FA app proceeds to do the authentication using the OAuth access token.</td>
</tr>
</tbody>
</table>
Set up Privileges to Access Oracle Digital Assistant

You can set up privileges for yourself and other users to access predefined digital assistant using Oracle Identity Cloud Service.

As a primary cloud administrator, you get the URL to the Oracle Identity Cloud Service instance and its credentials through a Welcome email. If you don’t have your cloud administrator account credentials, or if you want to update your primary administrator details to receive your welcome email, ask your help desk to create a technical service request.

Open the URL in your browser and do any of these tasks:

- Sign in using your credentials.

  **Note:** If you’re signing in to the Identity Cloud Service application for the first time, you must create a new password. To do so, on the Oracle Cloud Account Sign In page, click the link for **Need help signing in**, and then follow the instructions.

- Sign in with the available Oracle Identity Cloud instance using your SSO credentials.
Enable and Verify User Synchronization

The Identity Cloud Service application is set up to represent your Oracle Applications Cloud instance. The Identity Cloud Service application is an intermediary to synchronize your user accounts between Oracle Applications Cloud and digital assistant. So, you must enable user synchronization.

1. Enable user synchronization.
   a. Click **Navigator > Oracle Cloud Services**
   b. Search for and select the Oracle Applications Cloud instance.
   c. Click the Provisioning tab.
   d. Turn on **Enable Provisioning**.
   e. In the Select Provisioning Operations section of the page, select the **Authoritative Sync** check box.
   f. Turn on **Enable Synchronization**.
   g. Click **Save**.

2. Verify that the users are available and synchronized in the application.
   a. Click the Users tab.
   b. Check whether the users are available in the application. If not, import the users. To do so, click the Import tab, and then click **Import**.
Find Digital Assistant URL in Identity Cloud Service

You can find and use digital assistant URL in Identity Cloud Service and also share the URL with other users.

1. Click **Navigator > Oracle Cloud Services**.
2. Search for the application name that starts with **idcs-oda**.
3. Open the application.
4. Click the Configuration tab.
5. In the Resources section, copy the URL from the **Primary Audience** field, and share the URL with other users if required.

**Related Topics**
- **Sign In to Your Cloud Account**

Digital Assistant User Roles

You must assign appropriate roles to your users so that they can administer, configure, or analyze digital assistant. Based on their roles, users can access digital assistant, import skills, add utterances, test skills, or extend digital assistant.

This table shows the roles you can assign to your users and what they can do.

<table>
<thead>
<tr>
<th>User Roles</th>
<th>What They Can Do</th>
</tr>
</thead>
<tbody>
<tr>
<td>ServiceAdministrator</td>
<td>• Get complete access to the Bots instance for the draft and published skills.</td>
</tr>
<tr>
<td></td>
<td>• Access or import skills.</td>
</tr>
<tr>
<td></td>
<td>• Clone or extend skills.</td>
</tr>
<tr>
<td></td>
<td>• Delete a published skill or digital assistant.</td>
</tr>
<tr>
<td></td>
<td>• Do data management tasks, such as purging data when the instance is out of memory.</td>
</tr>
<tr>
<td>ODA Service Administrator Role</td>
<td></td>
</tr>
<tr>
<td>ServiceDeveloper</td>
<td>• Delete a draft skill but not a published one.</td>
</tr>
<tr>
<td>ODA Service Developer Role</td>
<td>• Get full access to build and test skills and digital assistant.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Users with this role can't access the data management tasks and so they can't purge data.</td>
</tr>
<tr>
<td>ServiceBusinessUser</td>
<td>• Get access to the analytics insights.</td>
</tr>
<tr>
<td>ODA Service Business User Role</td>
<td>• Test the dialog flows and whether the intent and entity match.</td>
</tr>
<tr>
<td></td>
<td>• Add sample utterances to the training corpus to retrain a skill. But a business user can't add sample utterances to the skill directly. Instead, the business user can use analytics insights to train the skill again with user patterns.</td>
</tr>
</tbody>
</table>
Chapter 2
Configure Digital Assistant

User Roles | What They Can Do
--- | ---
Note: This role is primarily specific to an analyst in the company, or someone who's in the line of business, such as expenses, and wants to see the analytics. Users with this role can only view the skills or settings but can't modify them. They can’t access the data management tasks to purge data.

Related Topics
- What Are Skills?

Assign Digital Assistant User Roles

With the Identity Domain Administrator role, you can access the Identity Cloud Service application, and assign appropriate roles to your users.

Users who use single sign-on to access Oracle Applications Cloud, make sure your login credentials are synchronized with that of Identity Cloud Service automatically during hybrid provision.

1. Sign in to Oracle Identity Cloud Service.
2. Click **Navigator > Oracle Cloud Services**.
3. Search for the application name that starts with **idcs-oda**.
4. Open the application.
5. Click the Application Roles tab.
6. Select a role and click the corresponding menu icon.
7. Click **Assign Users**.

8. Search for the user you want to assign a role to.
   - **Note:** You can search for the user by name or email address.
9. Select the user and click **OK**.

Enable Insights in Digital Assistant

You can enable Insights, an analytics feature that reports performance indicators for the skills and the digital assistant. You can diagnose problems with your skills and also improve their understanding of user input.

- Sign in to Oracle Digital Assistant.
Configure Digital Assistant

- Click Navigator > Development > Skills.
- Select the skill that you have configured.
- Click Navigator > Settings.
- Click Enable Insights to provide insight into how the skill is performing.
- Click Navigator > Insights.
  
  Here you can see how the skill is performing, for example, complete versus incomplete conversations and what are the top resolved intents.

Access the Skill Store

You can access all the available pre-defined Oracle digital assistants and skills from the Skill store.

To get a skill or digital assistant from the Skill store:

1. Click Navigator > Development > Store.
2. In the Skill Store, search for the required digital assistant or skill, for example: FADigitalAssistant.
3. In the tile for FADigitalAssistant, click Options icon and select Pull.

Train the Digital Assistant

Before you can use the digital assistant, you need to train it.

1. Click Navigator > Development > Digital Assistant.
2. Open the digital assistant by clicking its tile.
3. In the navigation bar for the digital assistant, click the Train button.
4. In the Train dialog, leave Trainer Tm as the default, click Submit, and wait for the training to complete.

Note: When you pull the digital assistant from the tile, it gets trained automatically. But, if the training process fails, you need to manually train the digital assistant.

Set up Digital Assistant

Use Oracle Applications Cloud to open and set up digital assistant. You must have the ODA Service Administrator or ODA Service Developer role to do this task.

You can configure the Oracle Web channel to associate it with your digital assistant.

1. Sign in to Oracle Applications Cloud.
2. In the Setup and Maintenance work area, go to the Manage Digital Assistant task.

   Your paired digital assistant opens in a separate tab.
3. In the digital assistant instance, pull FADigitalAssistant from the Skill Store.
Note: You can extend pre-defined digital assistant and skill. That means, you can create a new version of your digital assistant and skill, which you can modify. The modified version remains compatible with the original version.

Related Topics
- Get a Skill from the Skill Store
- Extending Digital Assistants and Skills
- Update Existing Setup Data

Configure Channels

You can use digital assistant in various channels, such as Twilio, Oracle Web, and Microsoft Teams. You can configure these channels to associate them with your digital assistant.

This table lists the different skills and the supported channels.

<table>
<thead>
<tr>
<th>Skill</th>
<th>Description</th>
<th>Channels Supported</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenses</td>
<td>You use this skill to do your day-to-day expenses-related tasks.</td>
<td>• Oracle Web</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MS Teams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Twilio SMS</td>
</tr>
<tr>
<td>Project Time Entry</td>
<td>You use this skill to record your project-based time entries and submit time cards.</td>
<td>• MS Teams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Twilio SMS</td>
</tr>
<tr>
<td>Project Management</td>
<td>You use this skill to do your project management activities, such as view and update tasks, deliverables, issues, and action items. You can also check the project progress and financial status.</td>
<td>• MS Teams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Twilio SMS</td>
</tr>
<tr>
<td>Sales</td>
<td>You use this skill to do your day-to-day sales-related tasks.</td>
<td>• MS Teams</td>
</tr>
<tr>
<td>Internal Candidate Experience</td>
<td>You use this skill to help your employees to search for jobs, check their application status, and withdraw their application.</td>
<td>• Oracle Web</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MS Teams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Twilio SMS</td>
</tr>
<tr>
<td>Hiring</td>
<td>You use this skill to help your recruiters and the hiring team to check requisition status and candidate status and review any pending offers.</td>
<td>• Oracle Web</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MS Teams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Twilio SMS</td>
</tr>
<tr>
<td>HCM</td>
<td>You use this skill to initiate manager self-service transactions and to clarify your employment-related questions.</td>
<td>• Oracle Web</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MS Teams</td>
</tr>
</tbody>
</table>
Configure Twilio SMS Channel

Before you configure the Twilio SMS channel, make sure that you have a Twilio account. You must make a note of the account SID, authentication token, and phone number from your Twilio account.

1. Sign in to Oracle Digital Assistant.
2. Click Navigator > Development > Channels.
3. Click Channel.
4. In the Create Channel dialog box, do these tasks:
   a. Enter the name and description of your channel.
   b. From the Channel Type list, select Twilio SMS.
   c. Specify your account SID, authentication token, and phone number.
   d. Click Create.
5. To associate this channel with FADigitalAssistant, click the drop-down button for the Route To list, search for the latest version of FADigitalAssistant, and select it.
6. Copy the Webhook URL or make a note of it.
   You need this URL while configuring Webhook URL for Twilio SMS.
7. Sign in to Twilio application.
8. Click Navigator > Phone Numbers > Active Numbers.
9. On the Active Numbers page, click a Twilio number.
   **Note:** You must have the Twilio phone number. When you buy the Twilio account, you receive the phone number.
10. Click the Configure tab.
11. In the A Message Comes In field in the Messaging section, paste the webhook URL.
12. Click Save.

Configure Oracle Web Channel

Use the Oracle Digital Assistant application to configure Oracle Web channel.

1. Sign in to Oracle Digital Assistant.
2. Click Navigator > Development > Channels.
3. Click Channel.
4. In the Create Channel dialog box, do these tasks:
   a. Enter the name and description of your channel.
   b. From the Channel Type list, select Oracle Web.
   c. In the Allowed Domains field, enter the URL of your application or enter *
   **Note:** Add a comma-separated list of URLs.
Configure Digital Assistant to Work with Web Channel

After you configured the Oracle Web channel, set up digital assistant to work with the Oracle Web channel and add digital assistant in Cloud Applications. You can also enable attachment sharing for your users. After you enable it, users can then share attachments, such as images, while interacting with digital assistants.

1. Enable digital assistant for Cloud Applications.
   a. Sign in to Oracle Applications Cloud.
   b. Click Navigator > Others > Setup and Maintenance.
   c. In the Setup and Maintenance work area, go to the Manage Administrator Profile Values task.
   d. On the Manage Administrator Profile Values page, search and select Profile option to enable digital assistant (FA_ENABLE_DIGITAL_ASSISTANT) profile option.
   e. In the FA_ENABLE_DIGITAL_ASSISTANT: Profile Values section, click the New icon.
   f. From the Profile Level list, select Site.
   g. In the Profile Value field, enter Y.
   h. Click Save and Close.

2. Add digital assistant to Cloud Applications.
   a. Activate a sandbox that has the HCM Experience Design Studio tool in it.
      After you activate the sandbox, all tools activated in it are listed on the Tools menu on the sandbox bar.
   b. On the Tools menu, select HCM Experience Design Studio.
   c. On the HCM Experience Design Studio page, click the Digital Assistant Configuration tab.
   d. In the Network Configuration section, enter values in these fields.
      - Server URL of the ODA Instance: Enter a server URL of your digital assistant instance.
      - Web Channel ID: Enter the web channel ID that you got when you configured Oracle Web channel for your digital assistant.
      | Note: When you enter a web channel ID, make sure that it doesn't contain any spaces.
   e. If you want to enable attachment sharing in digital assistant, in the Features and Functionality Configuration section, select the Share attachment in chat window check box.
   f. Click Save and Close.
   g. Publish your sandbox.

Configure Microsoft Teams Channel

You can configure a Microsoft Teams channel so that your users can chat with digital assistant in Microsoft Teams. But before you start, create an app using App Studio in Microsoft Teams, and add a bot to the app.
Here's how you can configure Microsoft Teams channel.

1. Sign in to Oracle Digital Assistant.
2. Click Navigator > Development > Channels.
3. Click Channel.
4. In the Create Channel dialog box, do these tasks:
   a. Enter the name and description of your channel.
   b. From the Channel Type list, select Microsoft Teams.
   c. Enter the Microsoft application ID and password.
   d. Optionally, set the availability duration for the Microsoft Teams channel. The default value is 60 minutes.
5. Click Create.
6. To associate this channel with FADigitalAssistant, click the drop-down button for the Route To list, search for the latest version of FADigitalAssistant, and select it.
7. Turn on Channel Enabled.
8. Copy the Webhook URL or make a note of it.

| Note: You get the ID and password after you add an app in Microsoft Teams.

You need this URL while configuring Webhook URL for Microsoft Teams.

| Note: After you create the Microsoft Teams channel, you must configure Webhook URL for Microsoft Teams, enable apps in your Office 365 tenant, and test your assistant in Microsoft Teams. For more information about configuring Microsoft Teams channel, see https://www.oracle.com/pls/topic/lookup?ctx=en/cloud/paas/digital-assistant&id=DACUA-GUID-7E688AA4-6C63-4F1E-99CB-06773BD0A878.

**Related Topics**
- Before You Start
- Twilio/SMS
- Microsoft Teams
- Create and Activate Sandboxes

**Test Digital Assistant**

You can test digital assistant in your Oracle Digital Assistant application. You can also test whether digital assistant is working after you configure Twilio SMS and Oracle Web channels.

**Test Digital Assistant in the Oracle Digital Assistant Application**

1. Sign in to Oracle Digital Assistant.
2. Click Navigator > Development > Digital Assistants.
3. Click FADigitalAssistant.
4. Click the **Skill Tester** icon that you can see at the bottom left corner of the page with FADigitalAssistant details. You see a test page.

5. In the text box at the bottom left corner of the test page, type **Hello**.

The FADigitalAssistant responds with a list of supported skills and intents.

6. Click any of the intents and proceed as per your requirements.

**Test Digital Assistant for the Twilio SMS Channel**

When you configure the Twilio SMS channel, use a mobile device to test your digital assistant.

1. Open Oracle Digital Assistant on your mobile device.
2. Text **Hello** to the phone number that you configured.

Digital assistant responds with the tasks it can do for you as shown in this image.

3. Respond by typing something on your mobile device. For example, you can type **Taxi for $30**.

Digital assistant sends an URL to sign in to the Oracle Applications Cloud.

4. Sign in to your application, and follow the steps provided in the SMS.

**Test Digital Assistant for the Oracle Web Channel**

After you configure the Oracle Web channel, test the digital assistant in your Cloud Applications.

1. Sign in to Oracle Applications Cloud.
2. You can view the digital assistant, which is displayed as the Chat icon on the home page. This image shows the Chat icon on the home page of the application.

3. Click the Chat icon to open a chat window.
4. In the chat window, enter some text. For example, my expenses today. You must get a response in the chat window.

Related Topics
• System Intents for Digital Assistants

About Personalizing Digital Assistants

If you deploy your out-of-the-box skills as part of a single digital assistant, here are some things you can do with the digital assistant.

• Add and remove skills from the digital assistant on the Skills page of the digital assistant.
• Personalize Your Digital Assistant.
• Tune Routing Behavior.

Upgrade Digital Assistant

You must upgrade your digital assistant to get the latest updates in it.

1. Sign in to Oracle Digital Assistant using your SSO credentials.
2. Click Navigator > Development > Store.
3. Search for FADigitalAssistant.
4. To display all the available versions of the digital assistant, click the Click to show all versions of this skill icon.
5. Do either of these steps:
   - Click the **Options** icon for the digital assistant that you want to upgrade, and select **Pull**.
   - Select the digital assistant that you want to upgrade, and click **Pull**.

6. On the Pull Digital Assistant dialog box, click **Pull**. You get a confirmation after the pull is complete.
7. To confirm that the digital assistant is upgraded, check the version on the Digital Assistant page.

After upgrading, you must associate the required channels with the upgraded version of your digital assistant.

1. Click **Navigator** > **Development** > **Channels**.
2. Click **Channel**.
3. In the Create Channel dialog box, enter the details, and from the **Channel Type** list, select required channel type.
4. Click **Create**.
5. To associate this channel with FADigitalAssistant, click the drop-down button for the **Route To** list, search for the latest version of FADigitalAssistant, and select it.
6. On the Change Channel Routing dialog box, click **Change**.

### Export and Import Digital Assistant

You can export your digital assistant from one environment, and import it to another one. But you can export only the custom digital assistants or the predefined digital assistants that were extended.

1. Sign in to the source environment, where you want to export the digital assistant from.
2. Click **Navigator** > **Development** > **Digital Assistants**.
3. Search for the digital assistant that you want to export.
4. Click the **Options** icon for the digital assistant that you want to export, and select **Export**.
   
   **Note:** If you want to export a specific version of a digital assistant, click the **Click to show all versions of this digital assistant**, click the **Options** icon for the version that you want to export, and then select **Export**.

5. Save the .zip file.
6. Sign out of your current session.
7. Sign in to the target environment, where you want to import the digital assistant to.
8. Click **Navigator** > **Development** > **Digital Assistants**.
9. On the Digital Assistant page, click **Import Digital Assistant**.
10. Browse and select the .zip file you want to import. You get a confirmation after the import is complete.

### Add Custom Skills

You can create and add your own skills to digital assistant. If you want to add skills that aren't available in your digital assistant environment, you can export the skills from another environment, import to your environment, and then add them.

To add skills that aren't available in your digital assistant environment, you must export the skills from another environment, import to your environment, and then add them.

If the skills you want to add are available in your environment, do these steps:

1. Sign in to Oracle Digital Assistant.
2. Click **Navigator** > **Development** > **Digital Assistant**.
3. Search for the digital assistant that you want to add the skills to.
4. Select the digital assistant.
5. Click **Add Skill**.

   **Note:** Ensure that the Skills tab is selected.

6. Click the add icon for the skills that you want to add to your digital assistant. Here's how the add icon looks like:

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### About Extending Published Skills

After you buy the pillar SKUs for Oracle Applications Cloud, you can access FADigitalAssistant and its skills from the Oracle Digital Assistant platform Skill Store associated with your Oracle Applications Cloud.

Once you pull a skill or digital assistant from the Skill Store, you can do these tasks:

- Add synonyms to existing entity values.
- Add list of values to existing entities.
- Configure channels supported by Oracle Digital Assistant. For example, Twilio, Oracle Web, and Microsoft Teams.
- Enable and disable skills as per your organization’s needs.

You can buy the Oracle Digital Assistant Platform for SaaS (**ODAP4SaaS**) SKU to make more changes in the digital assistant, a few of which are listed here:

- Add utterances to existing intents and retrain to configure the FADigitalAssistant.
- Add intents.
- Add entities.
- Change the dialog flow.
- Add or modify custom components (change the common response components or add integrations).
- Add other channels supported by Oracle Digital Assistant.
- Add resource bundles for the dialog.
- View and analyze diagnostics, analytics, and transaction logs.

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Related Topics

- Developing Custom Skills and Digital Assistants

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Related Topics

- Extending Skills
Export and Import Skills

You can export a skill from one environment, and import it to another one. But you can export only custom skills or the predefined skills that were extended.

1. Sign in to the source environment, where you want to export a skill from.
2. Click Navigator > Development > Skills.
3. Search for the skill that you want to export.
4. Click the Options icon for the skill that you want to export, and select Export. **Note:** If you want to export a specific version of a skill, click the Click to show all versions of this skill, click the Options icon for the version that you want to export, and then select Export.
5. Save the .zip file.
6. Sign out of your current session.
7. Sign in to the target environment, where you want to import the skill to.
8. Click Navigator > Development > Skills.
10. Browse and select the .zip file you want to import. You get a confirmation after the import is complete.

Set the Duration for User Session Timeout

You must use Identity Cloud Service and Oracle Digital Assistant applications to set the duration for session timeout.

In Identity Cloud Service, the duration is 7 days by default. So if the users leave the application idle for 7 days, their session will expire. The duration for the session timeout can be the same in both the applications, but if it isn't, then the minimum duration is applied.

Here's how you can set the duration for session timeout using Identity Cloud Service:

1. Sign in to Oracle Identity Cloud Service.
2. Click Navigator > Oracle Cloud Services.
3. Click the Configuration tab.
4. In the Resources section, select the Is Refresh Token Allowed check box if it's not selected.
5. In the Refresh Token Expiration field, enter the duration in seconds.
6. Click Save.
Here's how you can set the duration for session timeout using Oracle Digital Assistant:

1. Sign in to Oracle Digital Assistant.
2. Click **Navigator > Settings > Authentication Services**.
3. Select the service that you want to set the duration for.
4. In the **Refresh Token Retention Period** field, enter the duration in days. The maximum timeout duration you can set is 30 days.

Your changes are saved automatically.

**FAQs for Configuration of Digital Assistant**

Why can't I access Oracle Identity Cloud Service to configure digital assistant?

That's probably because you don't have the Identity Domain Administrator role.

Check with your help desk. If needed, ask them to create a technical service request for your cloud service to get the Identity Domain Administrator access, but only for these cases:

- You (or someone else) are the existing administrator, and you can't sign in to Oracle Identity Cloud Service or have lost your password.
- The existing administrator is no longer available, for example, they have resigned from your company.

The problem type for the request must be **Cloud Hosting Services (Outage, P2T/T2T, Enable SSO, Resize, CloudPortal, MyServices, User/Password, Network, Schedule Maintenance)**.

How can users sign in to digital assistant?

The methods for signing in to digital assistant varies based on the Oracle Identity Management setup for Cloud Applications.

- Single Sign-On: If SSO is enabled for Cloud Applications
- Single Sign-On with two-factor authentication: If SSO is enabled with two-factor authentication for Cloud Applications
Can I use the same Twilio number for the custom skills and the digital assistant?

Yes, you can do so. But you must first add your custom skills to the digital assistant and then configure the Twilio SMS channel.

What happens if I add a custom skill to a digital assistant, and then upgrade the digital assistant?

There won't be any impact on your custom skill. When you upgrade the digital assistant, the upgraded version will contain the predefined as well as custom skills that you already added in your digital assistant.

What are the different channels available in digital assistant?

This table lists the different skills and the supported channels.

<table>
<thead>
<tr>
<th>Skill</th>
<th>Description</th>
<th>Channels Supported</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenses</td>
<td>You use this skill to do your day-to-day expenses-related tasks.</td>
<td>• Oracle Web</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MS Teams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Twilio SMS</td>
</tr>
<tr>
<td>Project Time Entry</td>
<td>You use this skill to record your project-based time entries and submit time cards.</td>
<td>• MS Teams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Twilio SMS</td>
</tr>
<tr>
<td>Project Management</td>
<td>You use this skill to do your project management activities, such as view and update tasks, deliverables, issues, and action items. You can also check the project progress and financial status.</td>
<td>• MS Teams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Twilio SMS</td>
</tr>
<tr>
<td>Sales</td>
<td>You use this skill to do your day-to-day sales-related tasks.</td>
<td>• MS Teams</td>
</tr>
<tr>
<td>Internal Candidate Experience</td>
<td>You use this skill to help your employees to search for jobs, check their application status, and withdraw their application.</td>
<td>• Oracle Web</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MS Teams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Twilio SMS</td>
</tr>
<tr>
<td>Skill</td>
<td>Description</td>
<td>Channels Supported</td>
</tr>
<tr>
<td>---------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Hiring</td>
<td>You use this skill to help your recruiters and the hiring team to check requisition status and candidate status and review any pending offers.</td>
<td>• Oracle Web</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MS Teams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Twilio SMS</td>
</tr>
<tr>
<td>HCM</td>
<td>You use this skill to initiate manager self-service transactions and to clarify your employment-related questions.</td>
<td>• Oracle Web</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MS Teams</td>
</tr>
<tr>
<td>Helpdesk</td>
<td>You use this skill to clarify the queries of your employees.</td>
<td>• Oracle Web</td>
</tr>
</tbody>
</table>