# **Introduction**

## Purpose of the Document

The purpose of this document is to provide the details for migrating code from Lower environments to Higher environments.

OIC Code Migration

VBCS Migration

BIP Report Migration

VBCS Migration:

Before you can migrate your visual application, an administrator needs to configure the Oracle Visual Builder Studio instance and an Oracle Visual Builder instance to make sure that your visual application can access the correct services and resources.

An administrator or project owner will also need to create the project that will contain your migrated visual application.

## Migrate Your Visual Application Sources

After the project is set up for you, you can migrate your visual application sources from an Oracle Visual Builder instance by importing the application as an archive or by importing it from a Git repository.

The credentials for services used by the application are not imported. You'll need to supply the credentials after creating the new application from the imported sources. Similarly, the artifacts that are part of mobile build configurations (such as iOS provisioning profiles, keystores, and passwords) are not imported. You'll need to re-enter these details in the new application after you import it.

# **Migration steps**

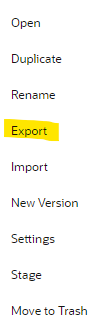
## Export a Visual Application Archive from Oracle Visual Builder

In your old Oracle Visual Builder instance, use the Export action to create a ZIP archive of the visual application you want to migrate to a project in VB Studio.

When you export the application you can choose if you want the archive to include the development data contained in the application’s custom business objects. If you choose not to include the data in your archive, you can export and import the data later.

Some information, such as credentials for external REST end points, is removed when you export an application. This information needs to be provided after the archive is imported.





To export a visual application and its custom business objects:

1. Open the Oracle Visual Builder instance.
2. On the Visual Applications home page, open the Application Options menu for the application version you want to export and select **Export**.

If there are multiple versions of an application you must use the Options menu of the version that you want to export.

Alternatively, when a visual application is open, you can choose **Export** in the application’s options menu in the toolbar.

1. Click **Export with Data** in the Export Application dialog box.

When you choose to export the application with data, the archive will include a json file (entity. json) and spreadsheet (entity-data.csv) for each custom business object. The json file describe the business object and the spreadsheet contains the business object data in the development database. If you choose to export the application without data, the archive will only contain the json file describing the business objects.

The archive will always include the data for any business objects that are identified as containing Application Setup Data.

The visual application and its resources are exported as an archive file. The archive is saved to your local system in the location specified for your browser’s downloads.

## Import a Visual Application Archive into VB Studio

In your new VB Studio instance, you can create a new visual application by importing the archive of the visual application you exported from the Oracle Visual Builder instance.

To import a visual application archive:

1. On the Organization page in VB Studio, select the project where you want to import the visual application.

Typically the project owner will have created the project for you and added you as a team member. Best practice is for a project to only contain one visual application.

A screenshot of a computer

Description automatically generated

1. Open the Designer page and click **+ Create Workspace**.
2. In the Create Workspace dialog, type a name for your workspace and click **Import from File**.
3. Drag your visual application archive file from your local system into the upload area. Alternatively, click the upload area in the dialog box and use the file browser to locate the archive on your local system.
4. In the Git Repository field, enter a repository name and working branch name for the Git repository that VB Studio will create when it creates the workspace.
5. In the Development Environment dropdown list, select the environment to use.
6. Click **Create Workspace**.

VB Studio creates a workspace with the name and the repository option you specified. Once VB Studio completes set up of the workspace, it opens the workspace where you can work with the visual application that you imported. After you import a visual application, you might need to provide additional details such as **service credentials** for the application you imported.

When you import the archive, VB Studio automatically performs some migration tasks for you, including creating a repository in the project containing the sources and data in the archive, and setting up a build pipeline that is configured to use the new repository and deploy the application to the environment you selected.

## Update Your Visual Application Settings

After you import your visual application into a Oracle Visual Builder Studio project, update the application settings with a root URL and app version.

Unlike apps created in VB Studio, those created in Oracle Visual Builder aren't configured with a root URL. You'll need to provide one for your app before you deploy it. You'll also want to specify a version number at the same time.

You can provide the root URL and version number through the Application tab of the Settings editor or update both by opening the visual-application.json file from the Source View tab in the Navigator and editing it directly.

The root URL and version are used to generate a unique URL for the app when you deploy it. For example, a root URL of "MyVBApp" and a version of "1.0" results in a URL of:

https://*<host>*/MyVBApp/1.0/index.html

To provide a root URL and version number for your imported app:

1. From your application's workspace, click the Menu option in the upper right corner of the application's workspace toolbar, then select **Settings**.
2. Open the Application tab of the Settings editor, then type a version number in the **Version** field.

You can use any numbering scheme that makes sense to you.

1. Type a unique name for your app in the **Root URL** field.

This name is used as the root URL for the app when it is deployed. Don't use a root URL that is already used by other apps on the Visual Builder instances that you’ll deploy to.

These setting are saved in the visual-application.json file for your app. You can open and edit this file from Source View.