

Example: Define an environment-specific login screen

This section illustrates how to create two SIT Deployments with different configurations. For each Deployment, different login screen background images will be created.

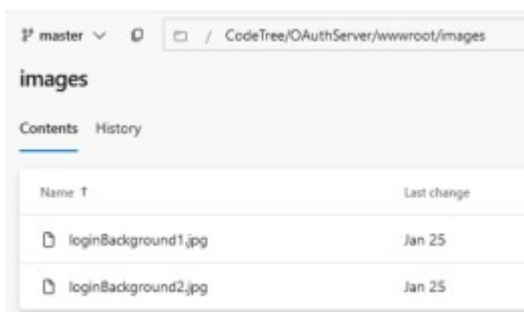
The following steps outline the process of creating different login screen background images:

1. Add a Transformation that adds custom Variable to a configuration file. The following is an example of a Transformation that sets the `$(imagePath)` value in the `BackgroundImageUrl` property. This should be added to the `TransformationsOfConfigFiles/OAuthServer/OAuthServer.config` folder:

```
<?xml version="1.0" encoding="utf-8"?>
<configuration xmlns:xdt="http://schemas.microsoft.com/XML-Document-Transform">
  <appSettings>
    <add key="BackgroundImageUrl" xdt:Locator="Match(key)" xdt:Transform="SetAttributes(value)" value="$(imagePath)" />
  </appSettings>
</configuration>
```



New background images should be added to the `CodeTree/OAuthServer/wwwroot/images` folder.



2. Commit the Transformation and images and push them to Work Repository in Azure DevOps.



3. Next, set the values for Variables for each Environment. By default, the project has the following five Variable Groups defined for custom configurations:

Pipelines	fx CustomConfigValues-CI
Pipelines	fx CustomConfigValues-PROD
Environments	fx CustomConfigValues-SIT
Releases	fx CustomConfigValues-STG
Library	fx CustomConfigValues-UAT

4. Select **CustomConfigValues-SIT** Variable Group.

Pipelines	fx CustomConfigValues-CI
Pipelines	fx CustomConfigValues-PROD
Environments	fx CustomConfigValues-SIT
Releases	fx CustomConfigValues-STG
Library	fx CustomConfigValues-UAT

5. Add a Variable with the Name **imagePath** and the Value `~/images/loginBackground1.jpg`

Library > CustomConfigValues-SIT

Variable group | Save | Clone | Security | Pipeline permissions | Approvals and checks | Help

Properties

Variable group name
CustomConfigValues-SIT

Description
This Variable Group was created automatically and is used to define environment-specific variables

Link secrets from an Azure key vault as variables ⓘ

Variables

Name ↑	Value
imagePath	~/images/loginBackground1.jpg

+ Add

6. Run **ContinuousIntegration Pipeline**.

7. Run **Deploy Pipeline** with default parameters using the Continuous Integration from step 6 as a Resource.

This **Pipeline** creates a new Deployment using the **CustomConfigValues-SIT** Variable Group for custom configuration. The **BackgroundImageUrl** Value will be set to the Value of **imagePath** from the Variable Group as defined in the Transformation.



Environment-specific Variables from the **CustomConfigValues-SIT** Variable Group are always applied by Deploy Aras Innovator Pipelines during initial Deployment or Redeployment.

Run pipeline

Select parameters below and manually run the pipeline

Branch/tag

master

Select the branch, commit, or tag

Deployment type:

SIT

Deploy timeout in minutes

180

Optional variable group name: (Default one is used if none provided)

-

Custom config variable group name: (Default one is used if none provided)

-

Advanced options

Variables

8 variables defined

Stages to run

Run as configured

Resources

Use latest version of all resources

Enable system diagnostics

Cancel Run

8. Visit the Deployed Aras Innovator to verify the change in the background image on the Login page.

To create another Deployment using another configuration of the image path, modify the default Variable Group (**CustomConfigValues-SIT**) or create a new Variable Group for the second Deployment.

The following is the example of deployment with a new Variable Group with **my-custom-group** Name:

- In Azure DevOps, select **Library** and click **+ Variablegroup** to create a new Variable Group.
- Set the name to **my-custom-group**.
- Add the **imagePath** Variable and set the path to the second image as the Value (**~/images/loginBackground2.jpg**).



Library > my-custom-group

Variable group | Save | Clone | Security | Pipeline permissions | Approvals and checks | Help

Properties

Variable group name

Description

Link secrets from an Azure key vault as variables ⓘ

Variables

Name ↑	Value
imagePath	~/images/loginBackground2.jpg

+ Add

- Run **Deploy Pipeline** again with the new **Variable group name** set as the parameter.

Run pipeline ✕

Select parameters below and manually run the pipeline

Branch/tag

Select the branch, commit, or tag

Deployment type:

Deploy timeout in minutes

Optional variable group name: (Default one is used if none provided)

Custom config variable group name: (Default one is used if none provided)

Advanced options

Variables
 0 variables defined >

Stages to run
 Run as configured >

Resources
 Use latest version of all resources >

Enable system diagnostics

- Go to the deployed Aras Innovator to check that the background image on the Login page has changed.

