

# Creating an IBM Cloud Container Registry Namespace



## Objectives

After completing this lab, you will be able to:

- Describe the IBM Cloud Container Registry service
- Create a Container Registry namespace

## Lab Overview

In this lab you will create an IBM Cloud Container Registry namespace, which you will use in a subsequent labs.

## Pre-requisites

You will need an IBM Cloud account to do this lab. If you have not created one already, click on this [link](#) and follow the instructions to create an IBM Cloud account.

## About IBM Cloud

The IBM Cloud platform is deployed across data centers around the world. It combines platform as a service (PaaS) with infrastructure as a service (IaaS) to provide an integrated experience. The platform scales and supports both large enterprise businesses and small development teams and organizations.

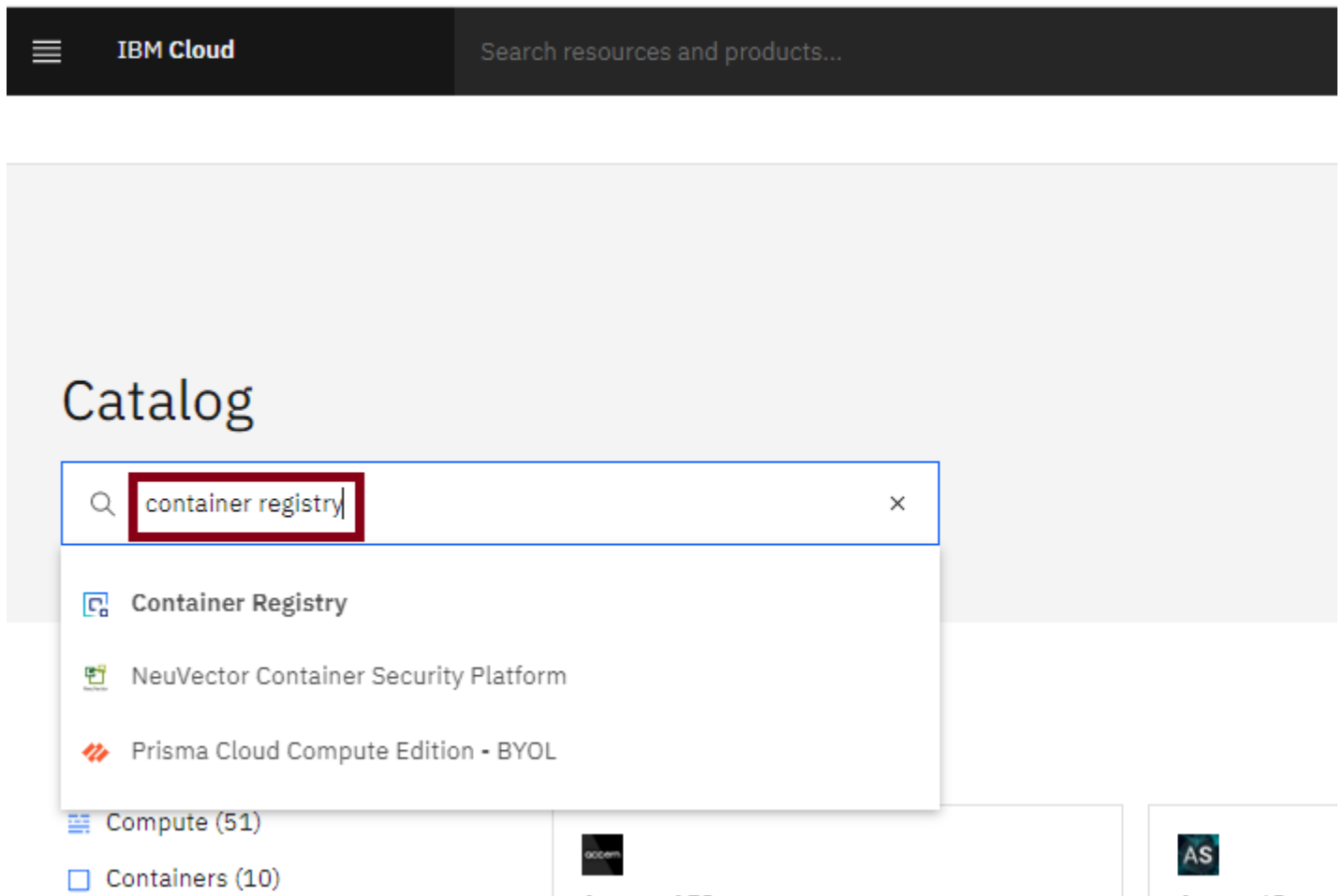
The platform is built to support your needs, whether it's working only in the public cloud or taking advantage of a multicloud deployment model. IBM Cloud offers a variety of services, including Compute, Network, Storage, Management, Security, Databases, Analytics, AI, and Cloud Paks.

## About IBM Cloud Container Registry namespaces

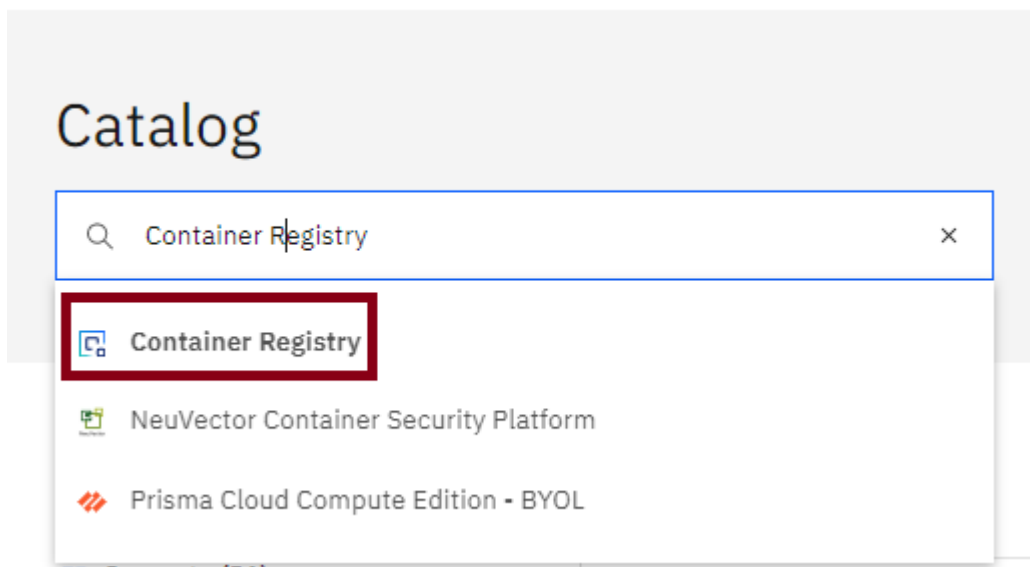
IBM Cloud® Container Registry provides a multi-tenant, encrypted private image registry that you can use to store and access your container images in a highly available and scalable architecture. The namespace is a slice of the registry to which you can push your images. The namespace will be a part of the image name when you tag and push an image. For example, `us.icr.io/<my_namespace>/<my_repo>:<my_tag>`.

## Create a Container Registry namespace

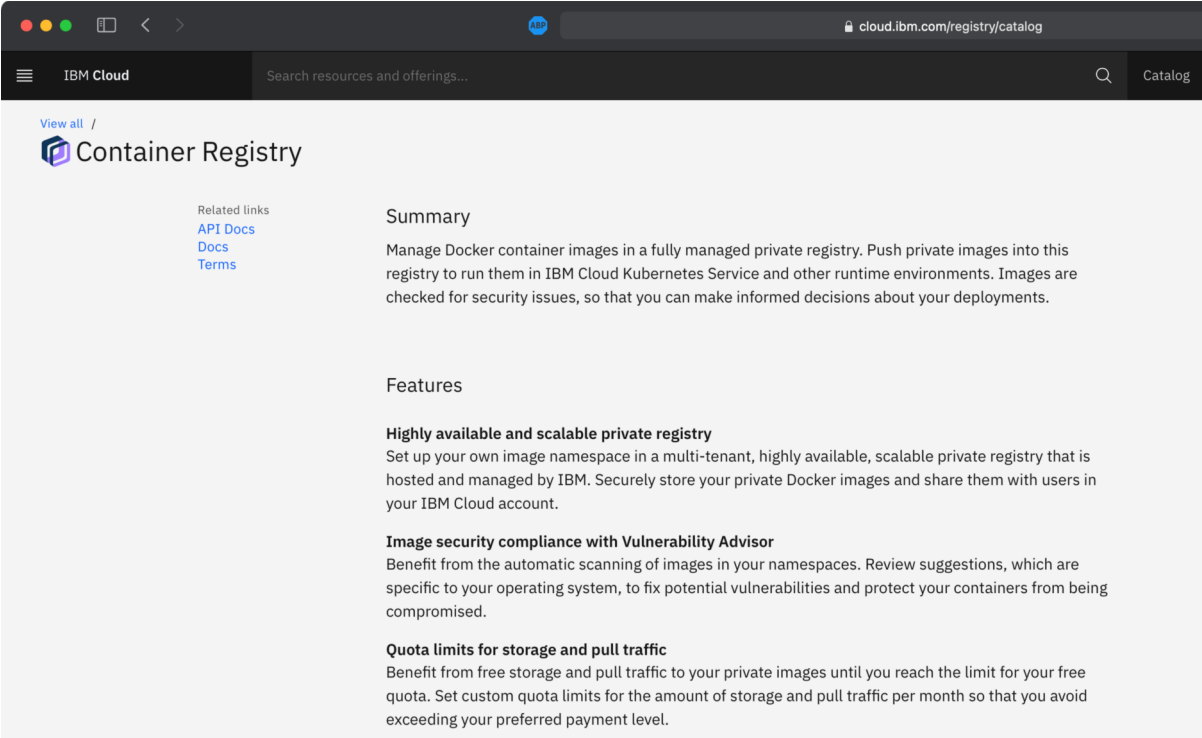
1. Go to the [IBM Cloud catalog](#) page.
2. In the **Catalog** search box, type Container Registry.



3. Click on **Container Registry** in the search results.



4. You can now read about the Container Registry service and visit links for API documentation and docs about how to use the service.



5. At the top right, click **Get started**.

[View all](#) /

# Container Registry

Author: IBM • [Docs](#) • [API docs](#)

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Related links  
[API Docs](#)  
[Docs](#)  
[Terms](#)

## Summary

Manage Docker container images in a fully managed private registry. can make informed decisions about your deployments.

## Features

### Highly available and scalable private registry

Set up your own image namespace in a multi-tenant, highly available

### Image security compliance with Vulnerability Advisor

Benefit from the automatic scanning of images in your namespaces. I

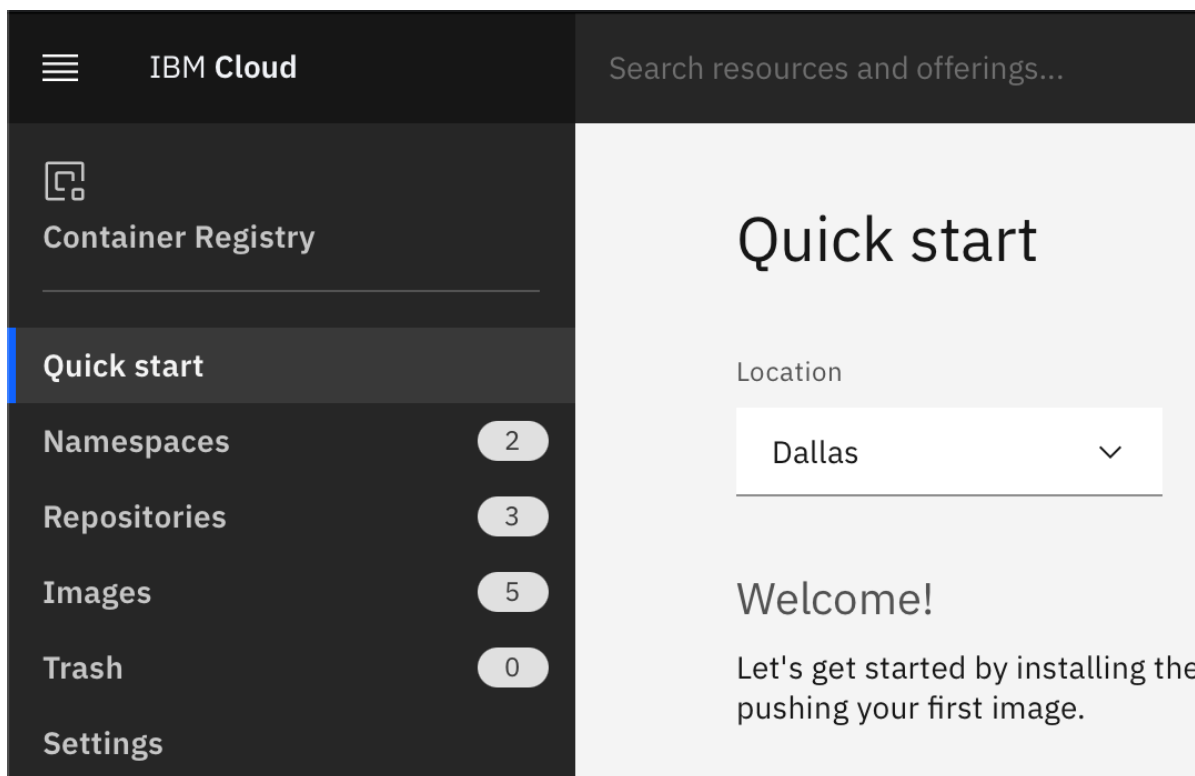
### Quota limits for storage and pull traffic

Benefit from free storage and pull traffic to your private images until level.

## Pricing plans

Plan	Features
Lite	Free Plan with limited r Storage (Gigabyte-Mont Pull traffic (Gigabytes) •
Container Registry	Namespaces for Contain
Standard	Pull traffic (Gigabytes) • Storage (Gigabyte-Mont The plan provides a free You can set limits to ma

6. Ensure that the location is set to **Dallas**.



IBM Cloud

Search resources and offerings...

Container Registry

Quick start

Namespaces 2

Repositories 3

Images 5

Trash 0

Settings

## Quick start

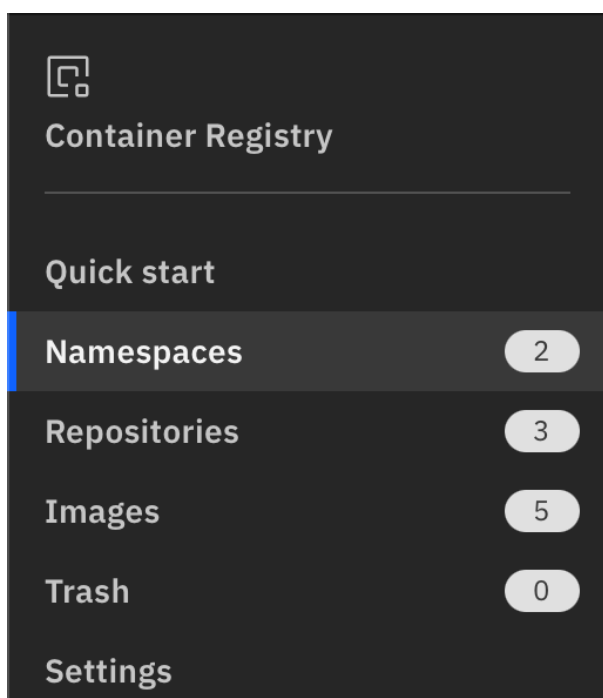
Location

Dallas

## Welcome!

Let's get started by installing the pushing your first image.

7. On the left hand side panel, click the **Namespaces** tab.



Container Registry

Quick start

Namespaces 2

Repositories 3

Images 5

Trash 0

Settings

8. On the right side of the Namespaces panel, click **Create**.

# Namespaces

Location

Dallas

Resource group: Filter...

▼

🔍

Search

☐

Name

Resource group

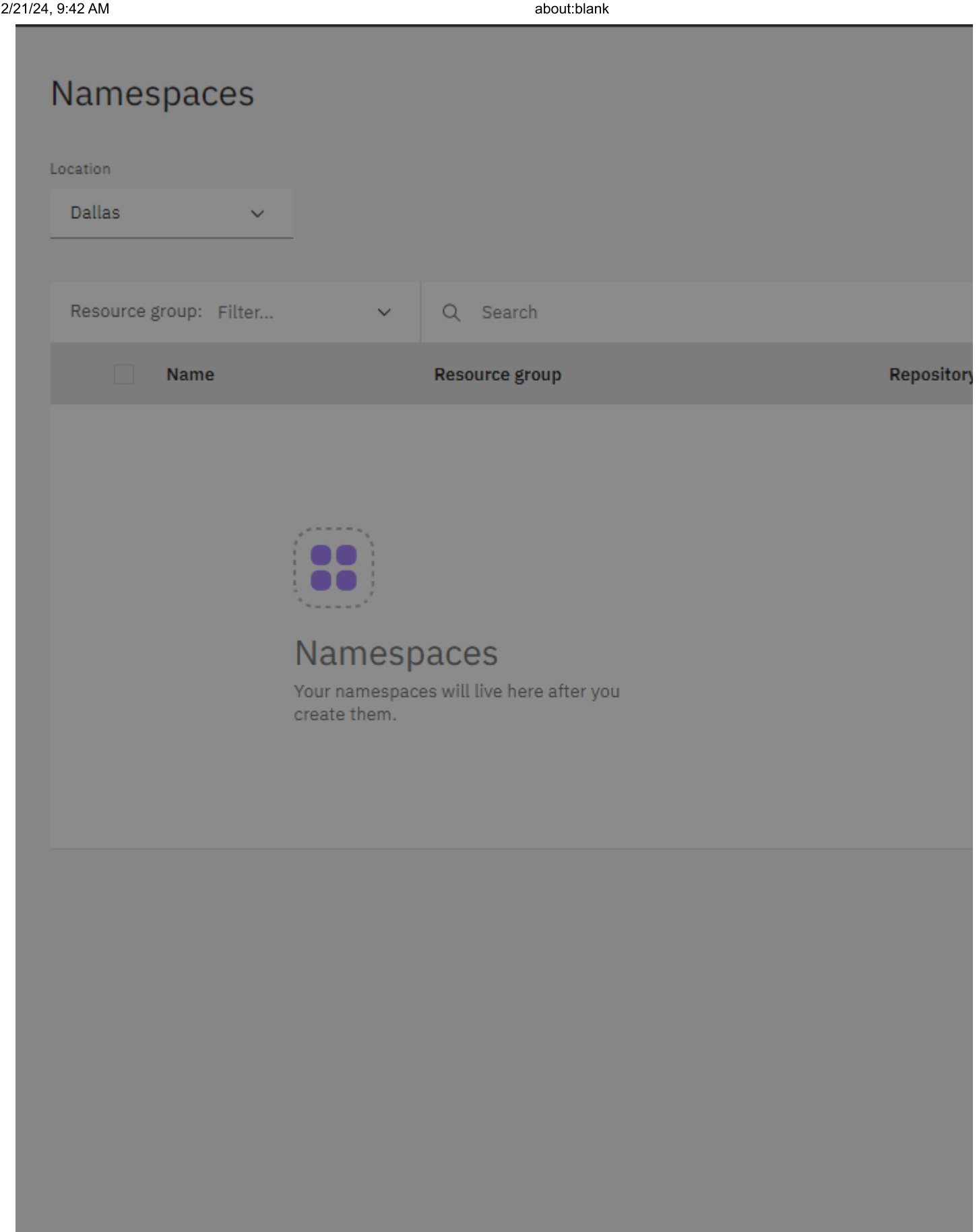
Repository co



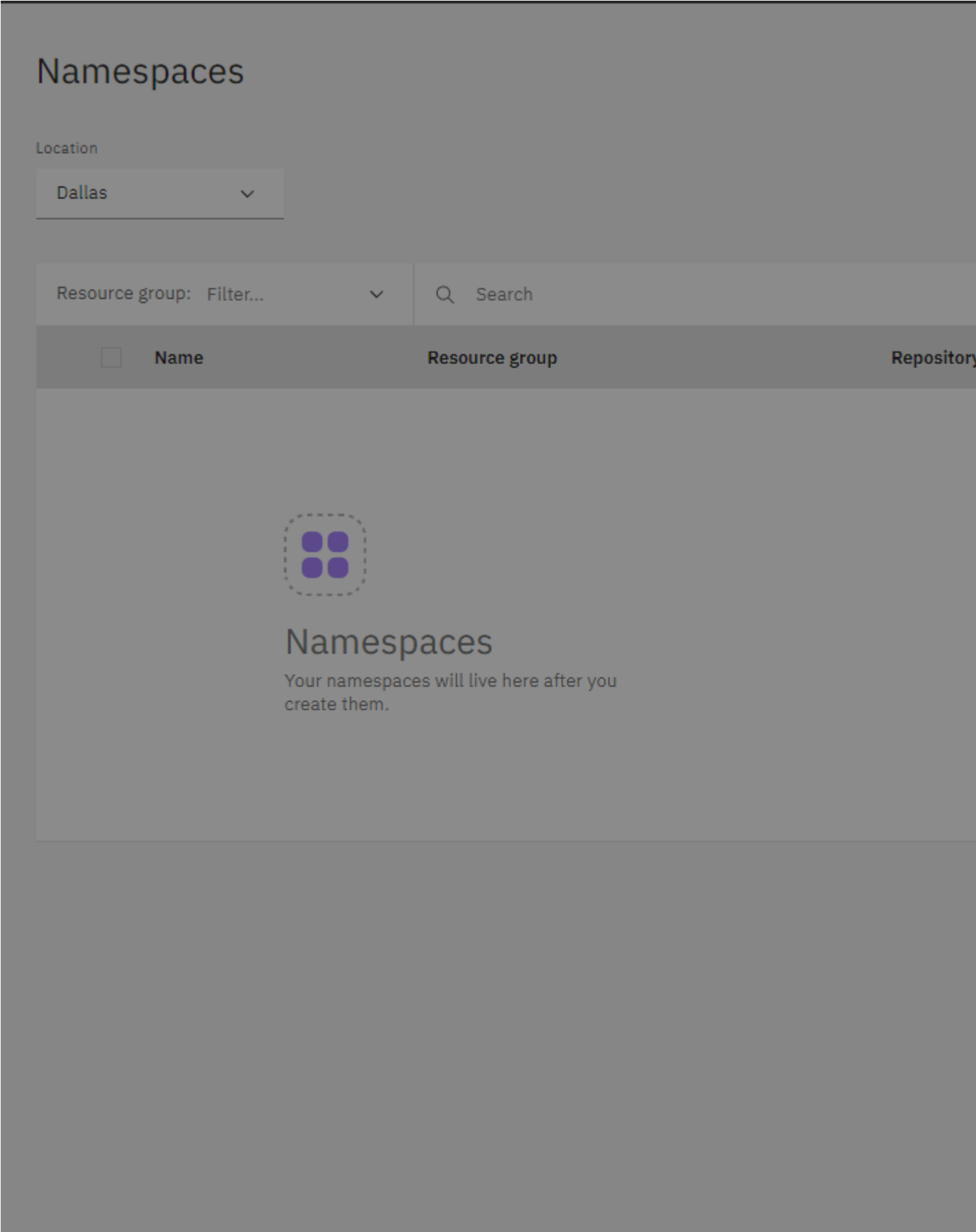
## Namespaces

Your namespaces will live here after you create them.

9. A **Create namespace** panel opens.

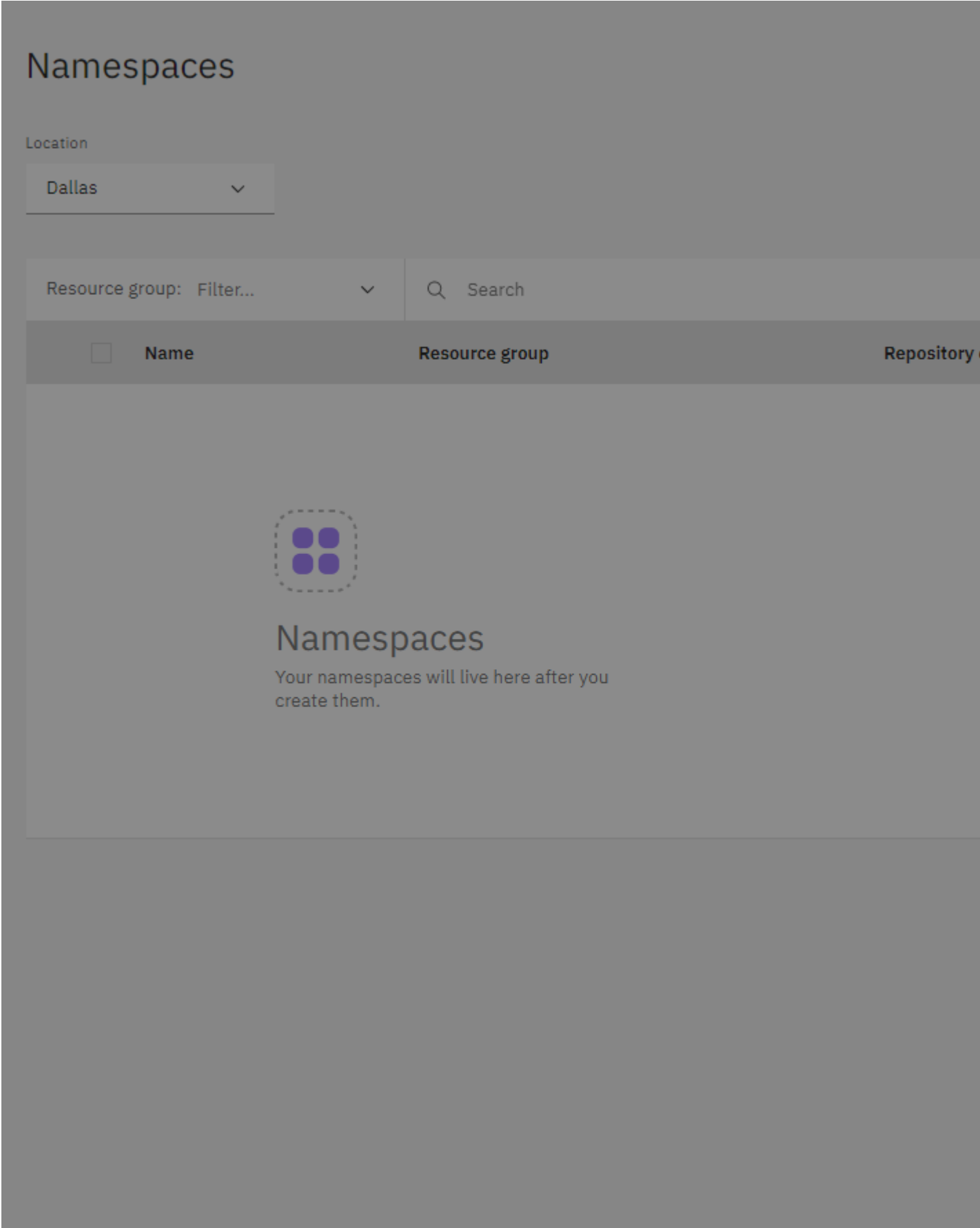


10. In the **Resource group** field, select the name of the resource group you would like this namespace to reside in. For this lab, you can simply leave the selection as **Default**.

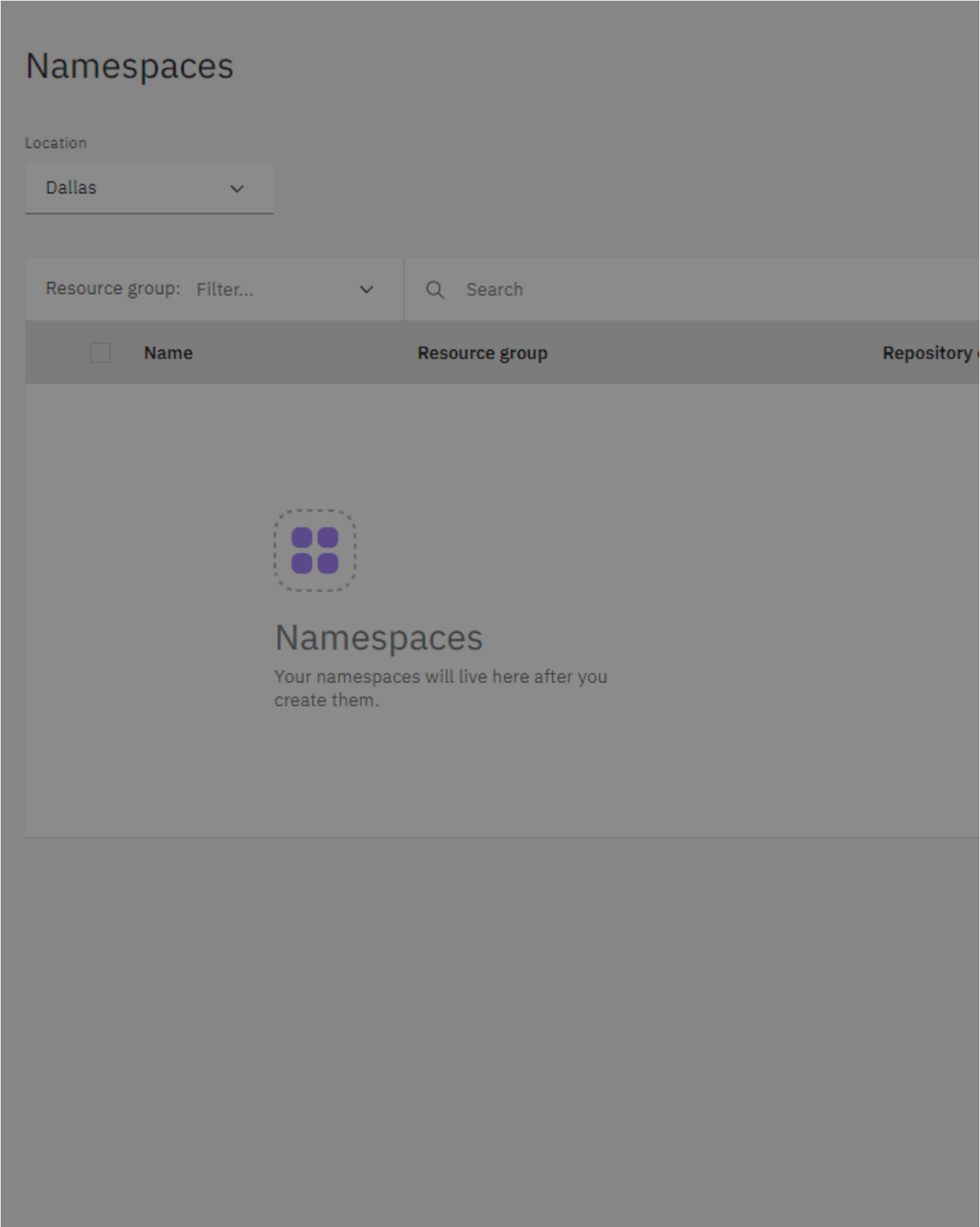


11. In the **Name** field, type a unique name for the namespace. The name must be unique across all users of the Container Registry service in this region.





12. Click **Create** at the bottom of the panel to create the namespace.



You now have a namespace (as below) to which you can push images.

# Namespaces

Location

Dallas

Resource group: Filter...

Search

<div></div>	Name	Resource group
<div></div>	<div><div></div>week1_kubernetes</div>	Default

Items per page: 25

1-1 of 1 item

Congratulations! You have completed the first lab for the first module of this course.

## Changelog

Date	Version	Changed by	Change Description
2022-04-08	1.1	K Sundararajan	Updated Lab instructions

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