NGC Container Registry for DGX

User Guide

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Chapter 1. NGC Container Registry for Enterprise Overview

The content of this user guide has been moved to https://docs.nvidia.com/ngc/ngc-private-registry-user-guide/index.html.

If you are using the DGX registry at https://compute.nvidia.com, then be sure to get an NGC account and migrate your container images according to the instructions in the next section.

Chapter 2. Migrating from the DGX Registry to NGC

The legacy DGX Container Registry at https://compute.nvidia.com will soon be shut down and no longer available. All container images will be removed. At that time, if you attempt to access the DGX Container Registry service you will be redirected to the NGC website at https://ngc.nvidia.com.

The following is a summary of the process for migrating your container images from the DGX registry to the NGC registry.

1. Obtain an NGC private registry account.
2. Get an API Key for the NGC account.
3. Log in to nvcr.io using your DGX registry API key.
4. Pull your container from the registry.
5. Log out of the DGX registry and then log into the NGC registry at nvcr.io.
6. Push your container images to the NGC registry.

Obtaining an NGC Private Registry Account

Refer to the information at https://docs.nvidia.com/ngc/ngc-private-registry-user-guide/index.html for instructions on obtaining an NGC private registry account.

Get a New API Key for the NGC Registry

1. Log in to https://ngc.nvidia.com.
2. In the top right corner, click your user account icon and select **Setup**.
3. Click **Get API key** to open the Setup > API Key page.

   The API Key is the mechanism used to authenticate your access to the NGC container registry.
4. Click **Generate API Key** to generate your API key. A warning message appears to let you know that your old API key will become invalid if you create a new key.
5. Click **Confirm** to generate the key.

   Your API key appears.

You only need to generate an API Key once. NGC does not save your key, so store it in a secure place. (You can copy your API Key to the clipboard by clicking the copy icon to the right of the API key.)

Should you lose your API Key, you can generate a new one from the NGC website. When you generate a new API Key, the old one is invalidated.

Migrate Container Images to the NGC Registry

1. Log in using old API Key from compute.nvidia.com

   ```
   $ docker login nvcr.io

   Username ($oauthtoken):

   Password: <enter-old-compute-API-key>

   Login Succeeded
   ```

2. Pull image from nvcr.io

   ```
   $ docker pull nvcr.io/ <path-to-repository>/<image>:<tag>
   ```

   Perform this step for each container image that you need to transfer.

3. Log out of the registry.

   ```
   $ docker logout nvcr.io
   ```

4. Log in using new API Key from ngc.nvidia.com

   ```
   $ docker login nvcr.io

   Username ($oauthtoken):

   Password: <enter-new-NGC-API-key>

   Login Succeeded
   ```

5. Push image to nvcr.io

   ```
   $ docker push nvcr.io/ <org-name>/<image>:<tag>
   ```

   Or, if pushing to a team

   ```
   $ docker push nvcr.io/ <org-name>/<team>/<image>:<tag>
   ```

   If you are pushing to a team ensure that team is created and users are added to the team first in ngc.nvidia.com. To find your org name, see the top right hand of the screen after you log in.

   Repeat this step for all the container images that you need to transfer.

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