**Lesson 02 Demo 03**

**Tagging an Image**

**Objective:** To demonstrate the process of tagging Docker images using various methods for easier management and distribution

**Tools required:** Docker

**Prerequisites:** None

Steps to be followed:

1. Pull a Docker image
2. Tag an image referenced by name
3. Tag an image for a private repository

**Step 1: Pull a Docker image**

1. Use the following command to pull the latest nginx image:

**sudo docker pull nginx:latest**

A screenshot of a computer

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1. List all the running images and check the newly pulled image:

**sudo docker images**

**A screenshot of a computer code

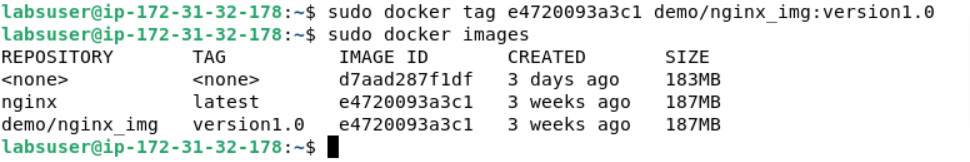
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1. Use the following command to tag the nginx image, referenced by Image ID, into the demo repository with version1.0:

**sudo docker tag IMAGE\_ID demo/nginx\_img:version1.0**

**sudo docker images**

**example:** **sudo docker tag e4720093a3c1 demo/nginx\_img:version1.0**

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| **Note**: Replace IMAGE\_ID with the Image ID of your nginx image |

**Step 2: Tag an image referenced by name**

1. Use the following commands to tag the nginx image, referenced by image name, into the demo repository with version2.0:

**sudo docker tag IMAGE\_NAME demo/nginx\_img:version2.0**

**sudo docker images**

**example: sudo docker tag nginx demo/nginx\_img:version2.0**

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| **Note:** Replace IMAGE\_NAME with the name of your nginx image |

1. Use the following command to tag the nginx image, referenced by name and tag, into the demo repository with version3.0:

**sudo docker tag nginx:latest demo/nginx\_img:version3.0.latest**

**A screenshot of a computer

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| **Note:** Replace IMAGE\_NAME and IMAGE\_TAG with the Name and Tag of your nginx image |

**Step 3: Tag an image for a private repository**

1. Use the following commands to tag an image for a private repository:

**sudo docker tag IMAGE\_ID myregistry:5000/demo/nginx\_img:version4.0**

**sudo docker images**

**example: sudo docker tag e4720093a3c1 myregistry:5000/demo/nginx\_img:version4.0**

**A close-up of a computer code

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| **Note:** Replace IMAGE\_ID with the Image ID of your nginx image  **Note:** Use sudo docker images command to see the newly tagged image under myregistry:5000/demo/nginx\_img repository |

By following these steps, you have successfully tagged Docker images with different versions and repository names for easier management and distribution.