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Practical No: 10

Date Of Performance: 10/09/2025

Aim: To understand Docker Hub's purpose, install Docker on an AWS EC2 Ubuntu instance, work with container images, and learn essential Docker commands for container management.

1. What is hub.docker.com?
2. What is docker hub used for?
3. Install docker on AWS EC2 –Ubuntu by using curl

#curl -fsSLhttps://get.docker.com -o get-docker.sh

#sh get-docker.sh

1. Run hello-world from docker hub and explain the steps
2. Pull 3 or 4 images ,one of the python , run “ Hello World “ inside container.
3. Demonstrate any 15 docker command and explain its uses   
   [Terminate the resources after performing the practical- terminate environment and application both]

****ANS.1:****

**hub.docker.com, commonly known as Docker Hub, is the world's largest public repository and community for container images. Think of it as:**

* **GitHub for Docker Images: Just as GitHub hosts code, Docker Hub hosts pre-built, ready-to-run application packages called container images.**
* **A Public Library: It's a central, cloud-based registry where developers and companies can store, share, and distribute their container images.**
* **A Source of Official Software: Major software vendors like Ubuntu, Python, Node.js, Nginx, Redis, and MySQL publish their official, verified images on Docker Hub. This ensures you get a trusted, standard version of the software.**

****ANS.2:****

**Docker Hub serves several critical purposes in the container ecosystem:**

* **Image Storage: It provides a centralized place to store your public and private Docker images.**
* **Image Discovery: Developers can search for and discover pre-built images for almost any software, saving immense time and effort.**
* **Image Distribution: It facilitates the easy pulling (docker pull) and pushing (docker push) of images to and from any machine running Docker.**
* **Collaboration: Teams can use Docker Hub to share images privately within their organization or publicly with the world.**

****ANS.3:****