Cloud Management System

User Manual

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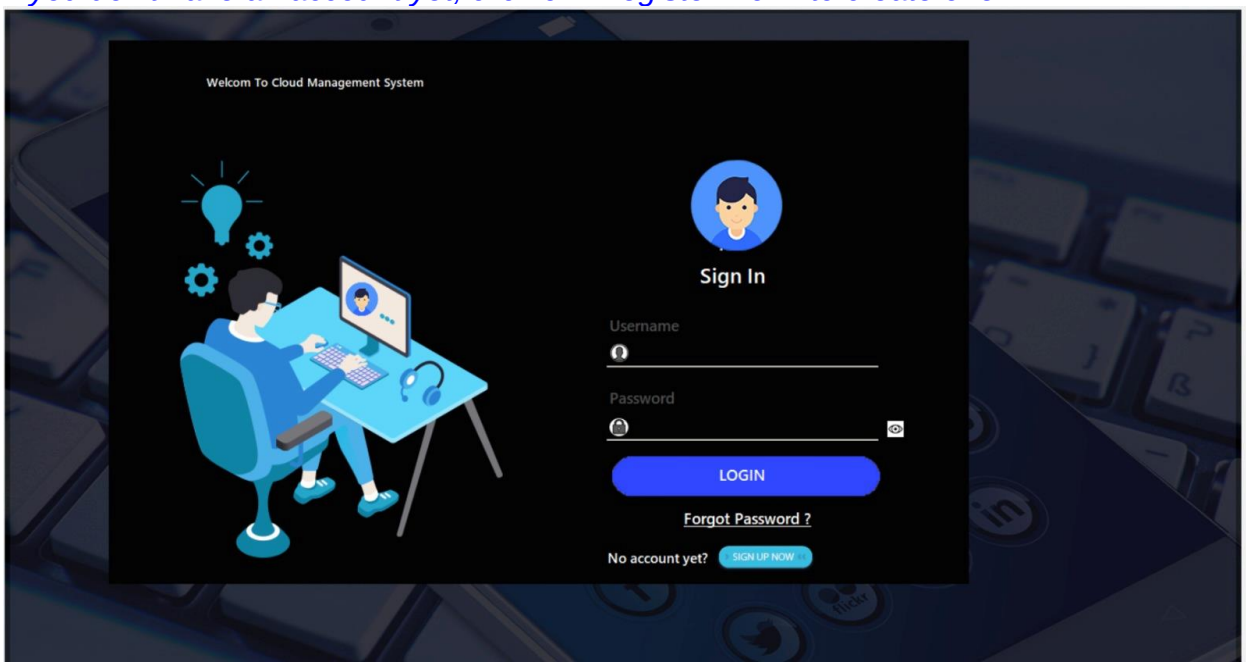
1. Using the System

Welcome to our user manual, where you'll discover comprehensive guidelines for utilizing our cutting-edge cloud management system.

1.1 Accessing the System

Navigate to the home page to initiate the sign-in process. Enter your username and password. In case you forget your password, simply click on the "Forgot Password" link. If you don't have an account yet, click on "Register Now" to create one.



1.2 System Organization & Navigation

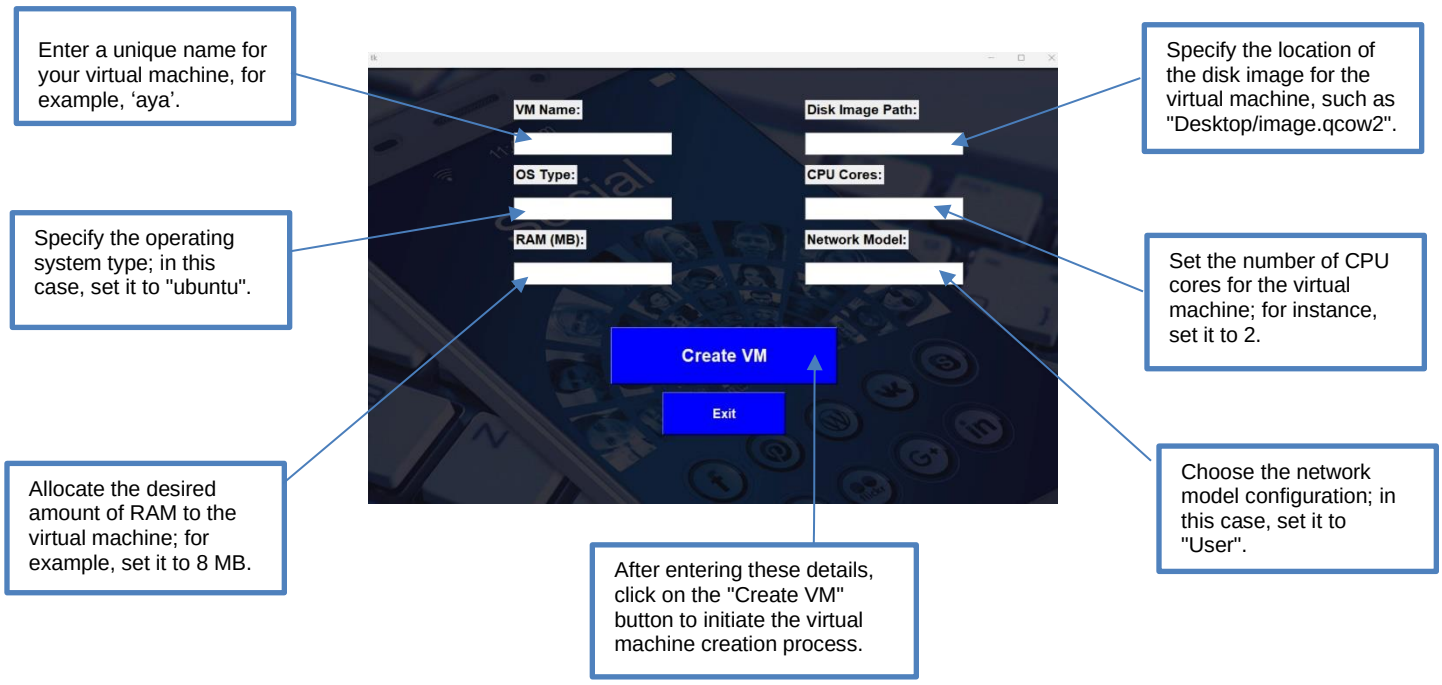
Upon successful login, you will encounter a range of options to cater to your needs:

- Create a Virtual Machine
- Create Docker File
- Build Docker Image
- List Docker Images
- List All Containers
- Stop a container
- Search Image
- Search for image on DockerHub
- Download/Pull image
- EXIT

These options are designed to provide you with a seamless and efficient experience in managing your cloud resources.

1.3 Create a Virtual Machine

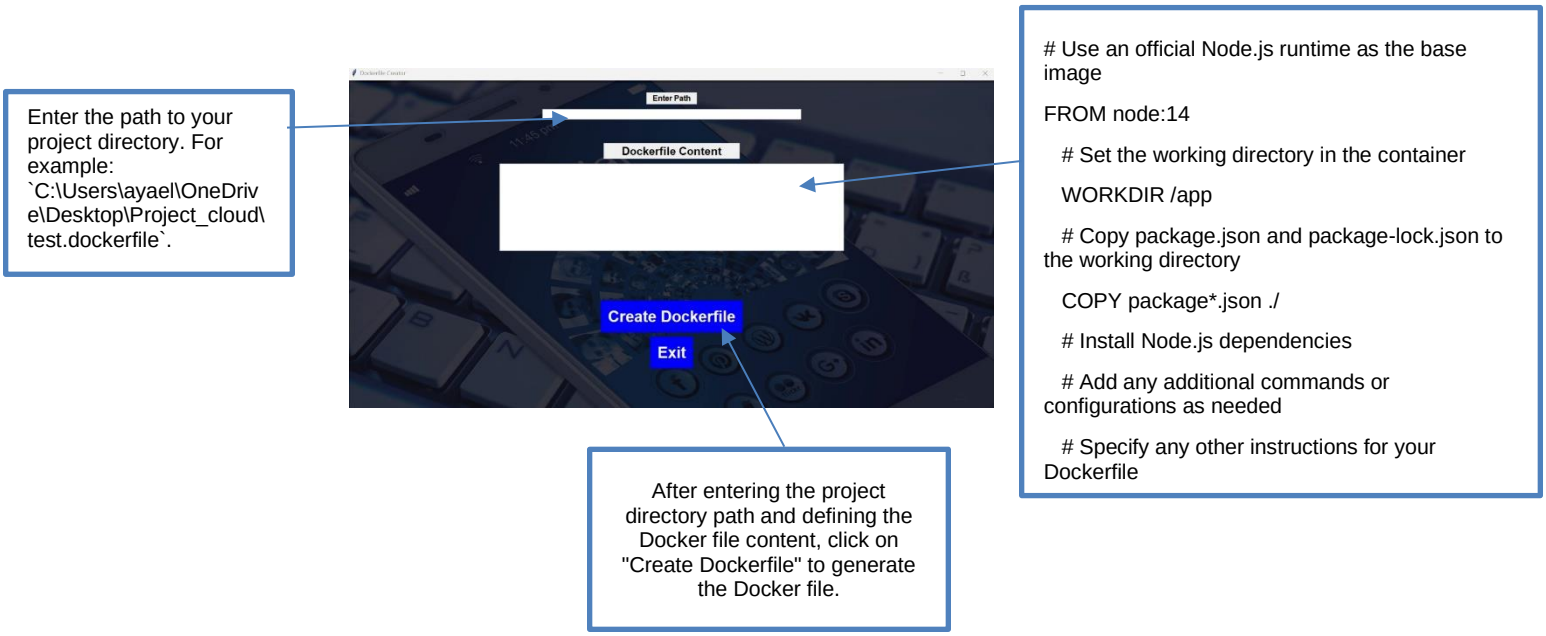
To initiate the creation of a virtual machine, follow these steps and provide the specified details:



By following these steps, you'll seamlessly create a virtual machine tailored to your specifications.

1.4 Create Docker File

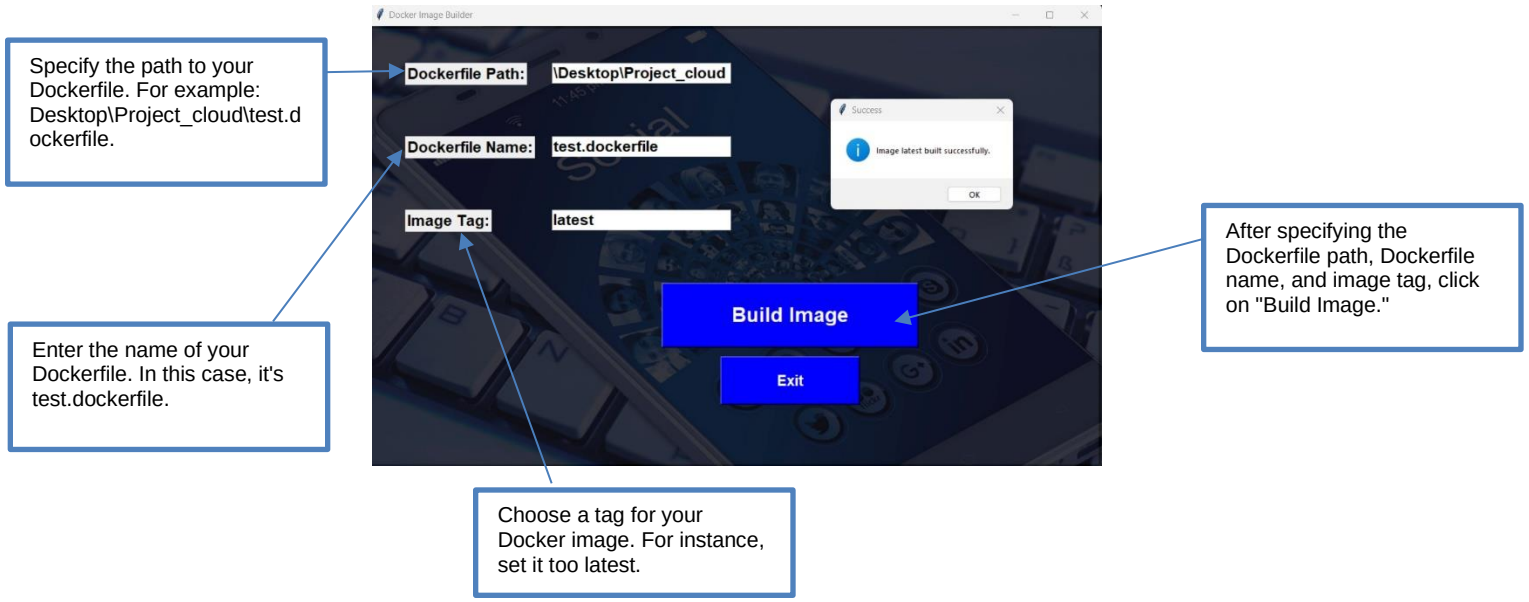
To generate a Docker file, follow these steps and provide the specified details:



By following these steps, you'll successfully create a Docker file tailored to your project, enabling you to build and deploy your application within a Docker container.

1.5 Build Docker Image

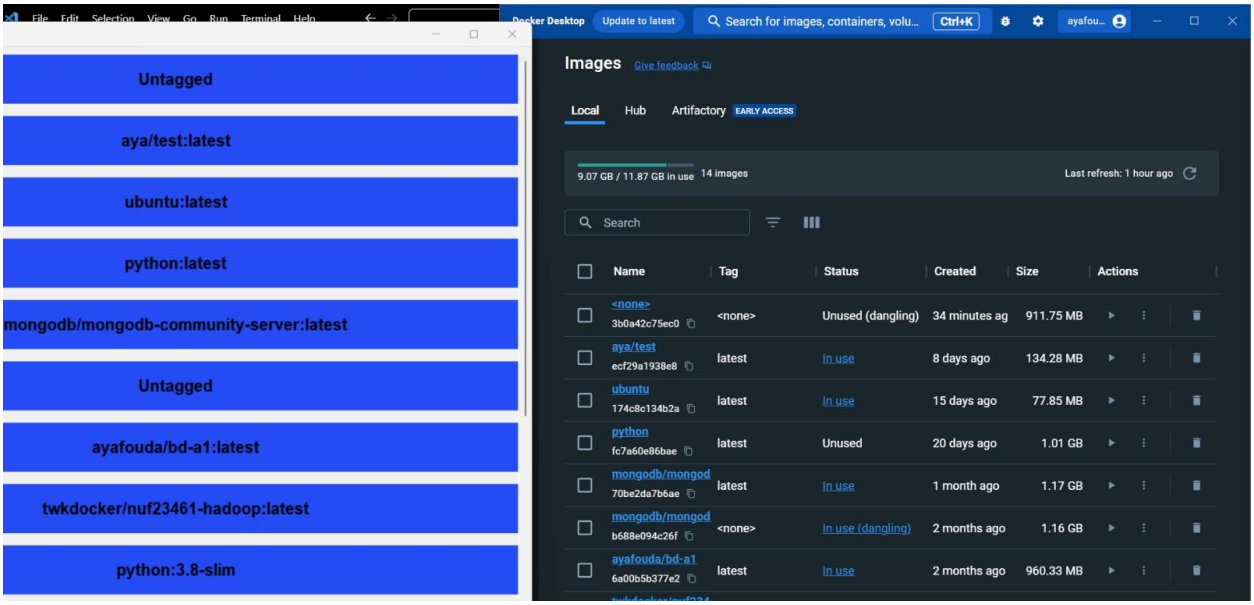
To build a Docker image, follow these steps and provide the specified details:



This process will initiate the Docker image building procedure based on the provided Dockerfile and configurations. Ensure that your Dockerfile and configurations are set up correctly to create a successful Docker image.

1.6 List Docker Images

Here you will be presented with a comprehensive overview. This function will list all the docker images found.

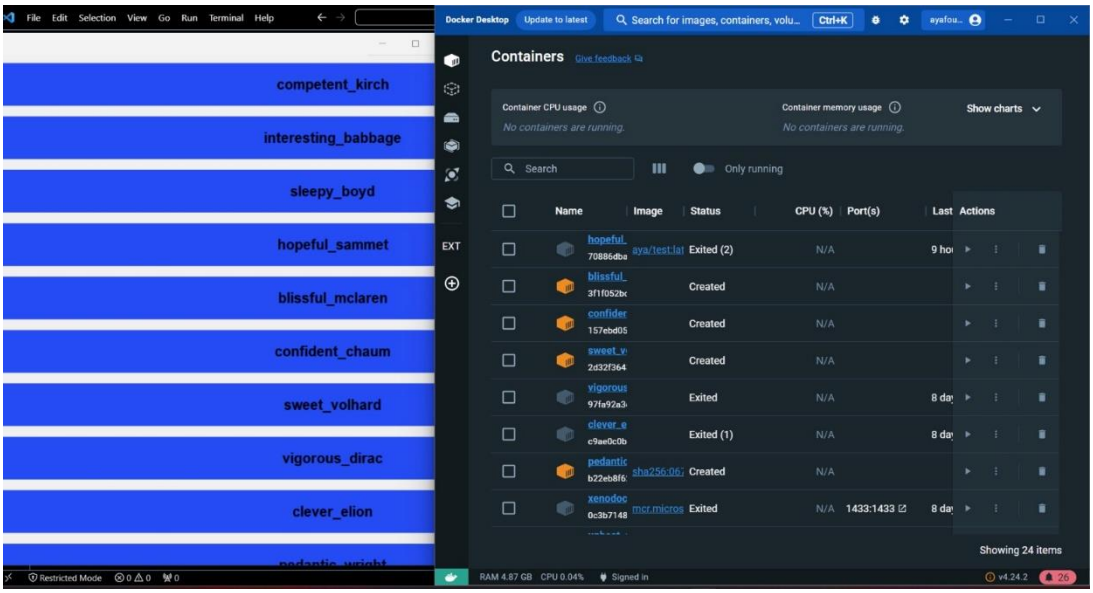


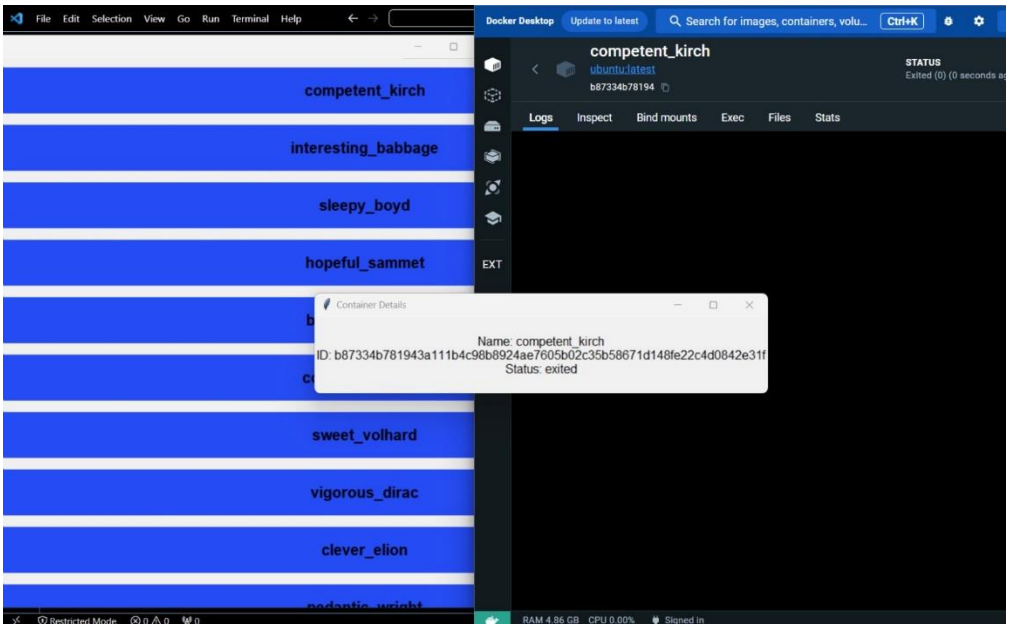
Clicking on a specific image will reveal detailed information, including tags and ID.

This functionality provides a convenient way to inspect and manage your Docker images efficiently.

1.7 List All Containers

Here a comprehensive list of all containers will be displayed. Clicking on a specific container will trigger the display of detailed information, encompassing its name, ID, and status. This feature allows for quick and convenient oversight of your containers, facilitating effective management and troubleshooting.

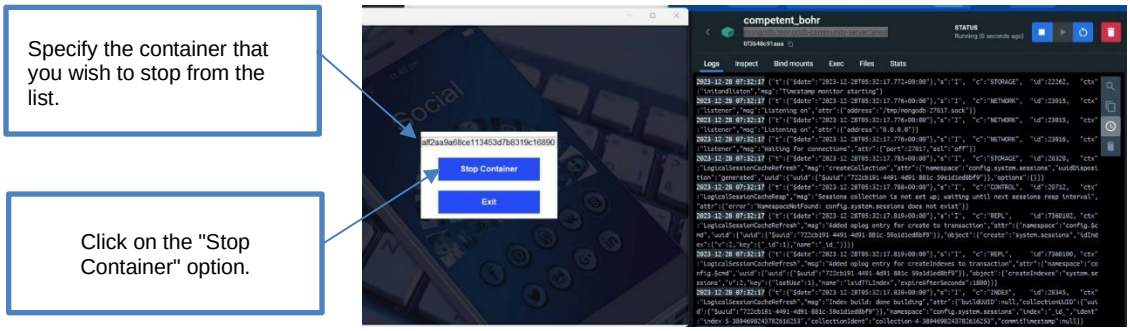

File Edit Selection View Go Run Terminal Help
competent_kirch
interesting_babbage
sleepy_boyd
hopeful_sammet
blissful_mclaren
confident_chaum
sweet_volhard
vigorous_dirac
clever_elion
Docker Desktop
Update to latest
Search for images, containers, volu...
Ctrl+K
Containers
Give feedback
Container CPU usage
No containers are running.
Container memory usage
No containers are running.
Show charts
Search
Only running
Name
Image
Status
CPU (%)
Port(s)
Actions
Exited (2)
Created
Exited
Exited (1)
N/A
Showing 24 items
RAM 4.87 GB CPU 0.04%
Signed in

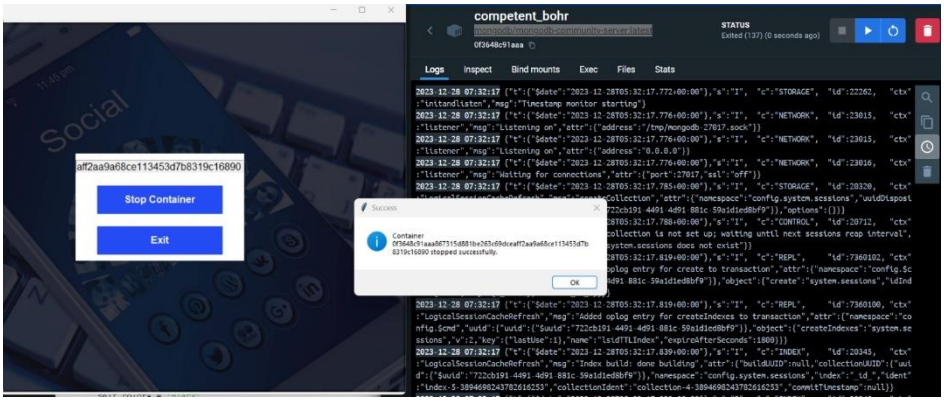

competent_kirch
interesting_babbage
sleepy_boyd
hopeful_sammet
sweet_volhard
vigorous_dirac
clever_elion
Container Details
Name: competent_kirch
ID: b87334b781943a111b4c98b8924ae7605b02c35b58671d148fe22c4d0842e31f
Status: exited
Docker Desktop
Update to latest
Search for images, containers, volu...
Ctrl+K
competent_kirch
ubuntu:latest
b87334b78194
STATUS
Logs
Inspect
Bind mounts
Exec
Files
Stats
RAM 4.86 GB CPU 0.00%
Signed in


competent_kirch
Container Details
Name: competent_kirch
ID: b87334b781943a111b4c98b8924ae7605b02c35b58671d148fe22c4d0842e31f
Status: exited

1.8 Stop A Container

To halt a specific container, follow these steps:



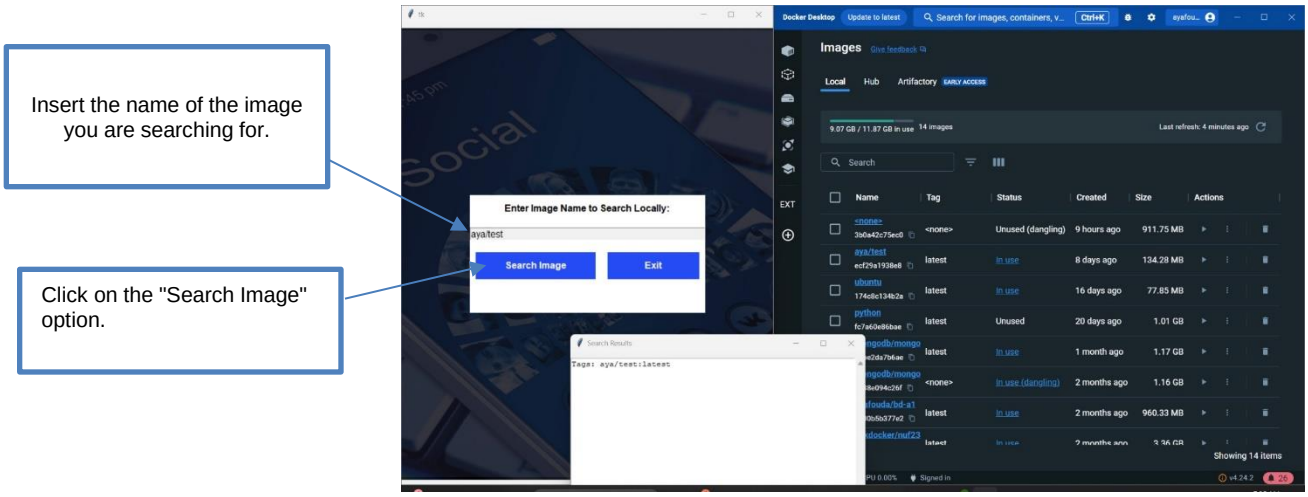


This action will initiate the process of stopping the chosen container.

Ensure that you've selected the correct container before confirming to prevent unintended disruptions.

1.9 Search Image

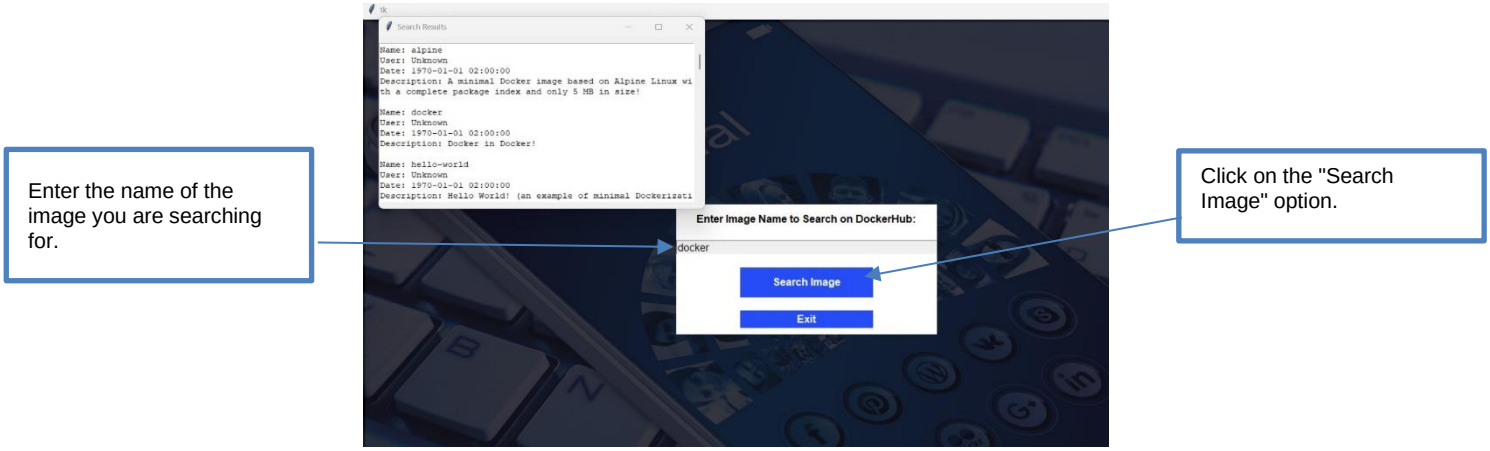
To find a specific Docker image, follow these steps:



This process will initiate a search for the specified image, providing you with relevant results based on the entered image name. Ensure accuracy in the image name to obtain the desired search outcome.

1.10 Search for image on DockerHub

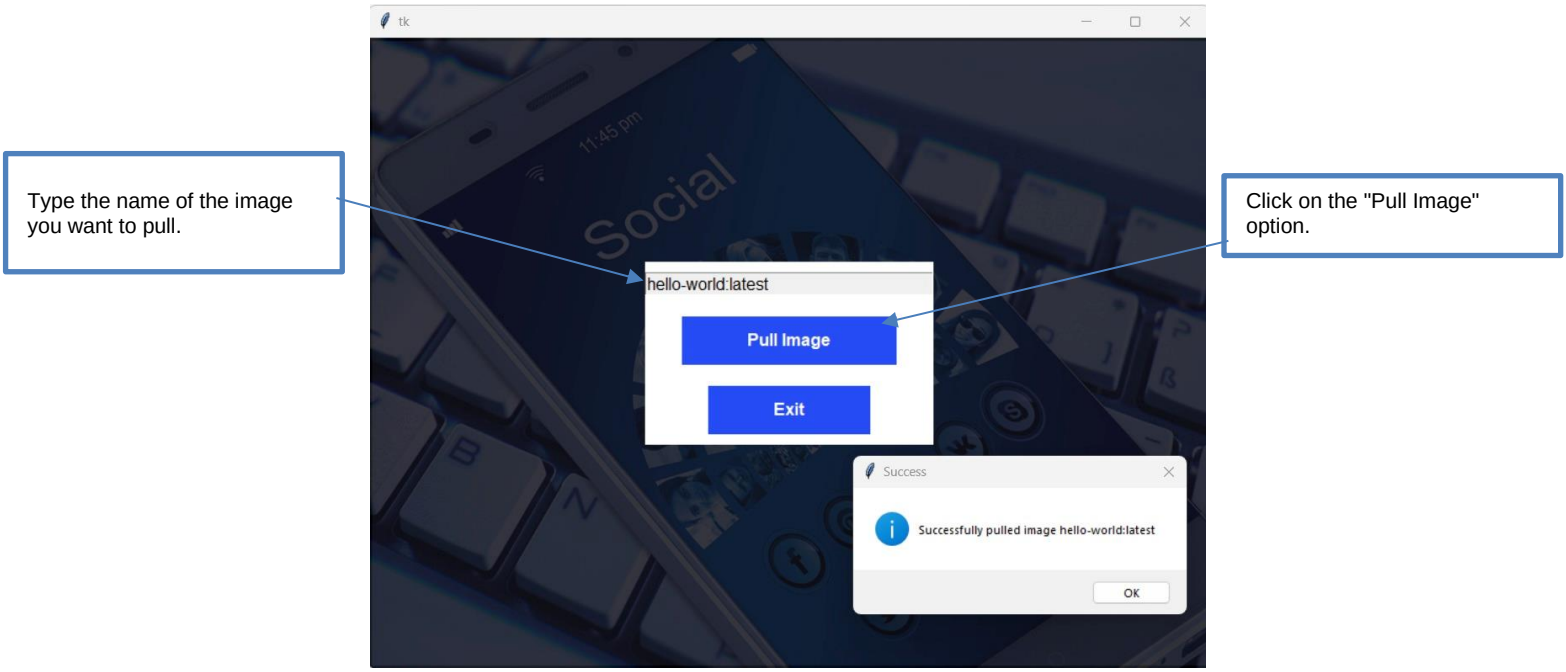
To locate an image on DockerHub, follow these steps:



Upon executing this command, detailed information about the specified image will be displayed. This includes the image name, user, date, and a description, offering valuable insights into the Docker image hosted on DockerHub.

1.11 Download/Pull image

To download or "pull" a Docker image, follow these steps:



This action will initiate the process of fetching the specified Docker image from the repository. Ensure that the image name is accurate, and by clicking "Pull Image," you will download the desired Docker image to your local environment.

1.12 Exit

To gracefully exit the system, follow these steps:

- Look for the "Exit" option.
- Click on "Exit" to close the system.

This action will safely conclude your session and exit the cloud management system.