CommandX – Docker Cheat Sheet (100 Commands)

Professional Docker Commands with Clear Definitions

1. **docker --version** – Displays the installed Docker version

2. **docker info** – Shows system-wide information about Docker

3. **docker help** – Displays help for Docker commands

4. **docker pull image** – Downloads an image from Docker Hub

5. **docker push image** – Uploads an image to Docker Hub

6. **docker images** – Lists all local Docker images

7. **docker rmi image** – Removes a Docker image

8. **docker ps** – Lists running containers

9. **docker ps -a** – Lists all containers including stopped ones

10. **docker run image** – Creates and starts a new container

11. **docker run -it image bash** – Runs a container interactively

12. **docker start container** – Starts a stopped container

13. **docker stop container** – Stops a running container

14. **docker restart container** – Restarts a container

15. **docker rm container** – Removes a stopped container

16. **docker exec -it container bash** – Executes a command inside a running container

17. **docker logs container** – Shows logs of a container

18. **docker inspect container** – Displays detailed container information

19. **docker stats** – Shows live resource usage of containers

20. **docker top container** – Displays running processes inside container

21. **docker build .** – Builds an image from Dockerfile

22. **docker build -t name .** – Builds an image with a tag

23. **docker tag image tag** – Adds a tag to an image

24. **docker login** – Logs in to Docker Hub

25. **docker logout** – Logs out from Docker Hub

26. **docker network ls** – Lists Docker networks

27. **docker network create net** – Creates a Docker network

28. **docker network rm net** – Removes a Docker network

29. **docker volume ls** – Lists Docker volumes

30. **docker volume create vol** – Creates a volume

31. **docker volume rm vol** – Removes a volume

32. **docker-compose --version** – Shows Docker Compose version

33. **docker-compose up** – Starts services defined in docker-compose.yml

34. **docker-compose up -d** – Starts services in detached mode

35. **docker-compose down** – Stops and removes services

36. **docker-compose ps** – Lists services status

37. **docker-compose logs** – Shows logs of services

38. docker system df – Shows Docker disk usage

39. docker system prune – Removes unused Docker objects

40. docker system prune -a – Removes all unused images and containers

41. docker save image > file.tar – Saves image to tar archive

42. docker load < file.tar – Loads image from tar archive

43. docker cp src dest – Copies files between container and host

44. docker rename old new – Renames a container

45. docker pause container – Pauses a running container

46. docker unpause container – Unpauses a container

47. docker attach container – Attaches to a running container

48. docker diff container – Shows changes to container filesystem

49. docker history image – Shows image history

50. docker events – Displays real-time Docker events

51. docker context ls – Lists Docker contexts

52. docker context use – Switches Docker context

53. docker export container – Exports container filesystem

54. docker import file – Imports filesystem as image

55. docker commit container image – Creates image from container

56. docker stats container – Shows container resource usage

57. docker wait container – Blocks until container stops

58. docker kill container – Force stops a container

59. docker port container – Lists container port mappings

60. docker update container – Updates container resource limits

61. docker service ls – Lists Docker services

62. docker service create – Creates a Docker service

63. docker service rm – Removes a Docker service

64. docker stack deploy – Deploys a Docker stack

65. docker stack ls – Lists Docker stacks

66. docker stack rm – Removes a Docker stack

67. docker swarm init – Initializes Docker Swarm

68. docker swarm join – Joins a Docker Swarm

69. docker node ls – Lists Swarm nodes

70. docker node rm – Removes a Swarm node

71. docker secret ls – Lists secrets

72. docker secret create – Creates a secret

73. docker config ls – Lists Docker configs

74. docker config create – Creates a config

75. docker context inspect – Inspects Docker context

76. docker system info – Displays Docker system information

77. docker version – Displays detailed Docker version

78. docker run --rm image – Automatically removes container after exit

79. docker run -p host:container image – Maps ports

80. docker run -v host:container image – Mounts volume

81. docker inspect image – Shows image details

82. docker search image – Searches images on Docker Hub

83. docker image prune – Removes unused images

84. docker container prune – Removes stopped containers

85. docker volume prune – Removes unused volumes

Created by Walia Creations