Docker cheat sheet with the top 50 commands:

**Managing Images and Containers:**

1. **docker pull [image\_name]**: Pull an image from Docker Hub.
2. **docker images**: List all images available locally.
3. **docker rmi [image\_id/name]**: Remove an image.
4. **docker run [options] [image\_name]**: Run a container from an image.
5. **docker ps**: List running containers.
6. **docker ps -a**: List all containers (both running and stopped).
7. **docker start [container\_id/name]**: Start a stopped container.
8. **docker stop [container\_id/name]**: Stop a running container.
9. **docker rm [container\_id/name]**: Remove a container.
10. **docker logs [container\_id/name]**: View logs of a container.
11. **docker inspect [container\_id/name/image\_id]**: Display detailed information about a container or image.
12. **docker exec [options] [container\_id/name] [command]**: Execute a command in a running container.

**Building Images:**

1. **docker build [options] [path]**: Build an image from a Dockerfile.
2. **docker tag [image\_id/name] [new\_image\_name]**: Tag an image with a new name.
3. **docker push [image\_name]**: Push an image to Docker Hub.

**Managing Volumes and Networks:**

1. **docker volume ls**: List all volumes.
2. **docker volume create [volume\_name]**: Create a volume.
3. **docker volume rm [volume\_name]**: Remove a volume.
4. **docker network ls**: List all networks.
5. **docker network create [network\_name]**: Create a network.
6. **docker network rm [network\_name]**: Remove a network.

**Docker Compose:**

1. **docker-compose up**: Create and start containers defined in the docker-compose.yml file.
2. **docker-compose down**: Stop and remove containers defined in the docker-compose.yml file.
3. **docker-compose build**: Build or rebuild services defined in the docker-compose.yml file.
4. **docker-compose logs [service\_name]**: View logs of a specific service.
5. **docker-compose exec [service\_name] [command]**: Execute a command in a running service container.

**Container Management:**

1. **docker pause [container\_id/name]**: Pause a running container.
2. **docker unpause [container\_id/name]**: Unpause a paused container.
3. **docker rename [old\_container\_name] [new\_container\_name]**: Rename a container.
4. **docker update [options] [container\_id/name]**: Update configuration of one or more containers.

**Miscellaneous:**

1. **docker version**: Check Docker version.
2. **docker info**: Display Docker system-wide information.
3. **docker search [term]**: Search for an image on Docker Hub.
4. **docker login**: Log in to a Docker registry.
5. **docker logout**: Log out from a Docker registry.
6. **docker commit [container\_id/name] [new\_image\_name]**: Create a new image from a container's changes.
7. **docker stats**: Display a live stream of container resource usage statistics.
8. **docker events**: Get real-time events from the Docker server.
9. **docker system df**: Show Docker disk usage.
10. **docker system prune**: Remove all unused containers, networks, volumes, and images.
11. **docker port [container\_id/name]**: List port mappings or a specific mapping for a container.
12. **docker top [container\_id/name]**: Display the running processes of a container.
13. **docker wait [container\_id/name]**: Block until a container stops, then print its exit code.

**Docker Swarm:**

1. **docker swarm init**: Initialize a Docker Swarm.
2. **docker swarm join**: Join a Docker Swarm as a worker or manager node.
3. **docker node ls**: List nodes in the Docker Swarm.
4. **docker service ls**: List services in the Docker Swarm.
5. **docker service create**: Create a new service in the Docker Swarm.
6. **docker service scale**: Scale a service in the Docker Swarm.
7. **docker stack deploy**: Deploy a new stack or update an existing stack in the Docker Swarm.

These commands cover a wide range of Docker operations and should serve as a useful reference for Docker users.