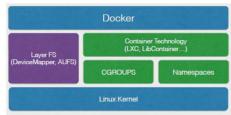


## Docker Architecture.....

Introduction to Docker

It is an open source implementation of the LXC (Linux Containers) used for packaging an application and its needed dependencies into a container that can be deployed and replaced easily.



- The containerization in Docker is achieved via:
  - Resource isolation (cgroups),
  - Kernel namespaces (isolating the application's view of the OS, process trees, etc) and,
  - A union-capable file system (such as aufs mounting multiple directories into one that appears to contain their combined contents).

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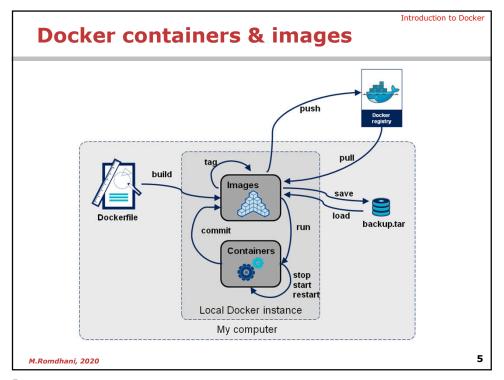
## **Key Docker advantages**

Introduction to Docker

- Isolation
  - Thansk to Kernel features (Namespaces, Cgroups)
- Consistency/Cohesion
  - Each app is packaged along with its dependecies
- Speed/Scalability
  - Faster than VMs
- Portability

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Commands	Introduction to Docker
docker version	docker image history
docker help	docker image inspect
docker search	docker exec container
docker pull	docker container Is
docker run	docker container inspect
docker image Is	docker container stop
docker image rm	Docker container rm
docker image prune	
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