

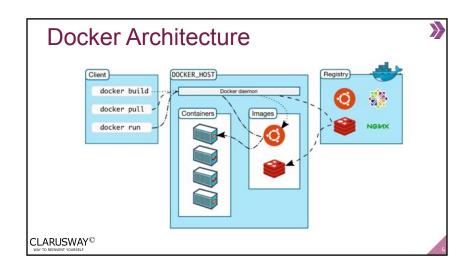
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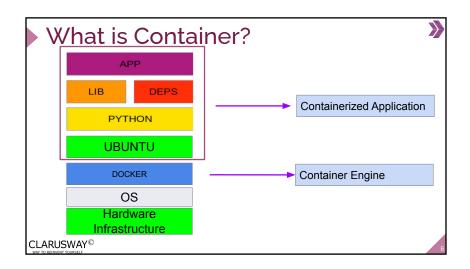
1 Docker Architecture

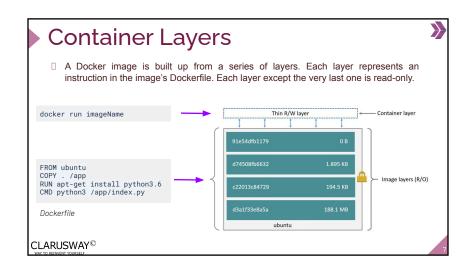
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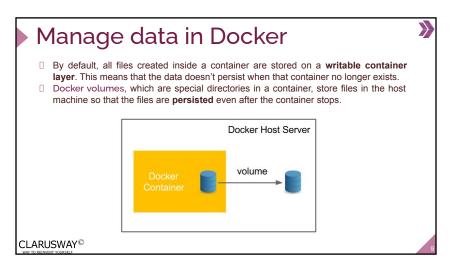
2 Container Layers

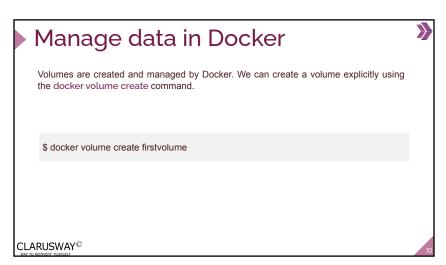
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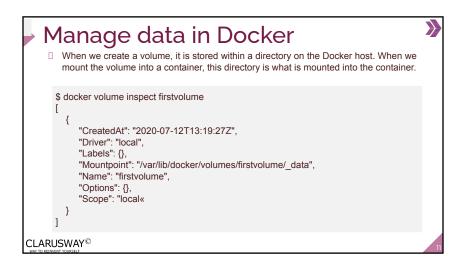














Declaration of volumes

- □ Volumes can be declared on the command-line, with the --volume or -v flag for docker run.
- U v or --volume: Consists of three fields, separated by colon characters (:). The fields must be in the correct order.

--volume <volume_name>:<path>:<list of options>

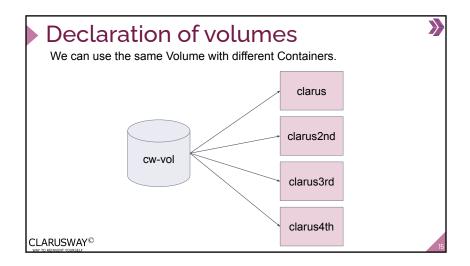
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Declaration of volumes

--volume <volume_name>:<path>:<list of options>

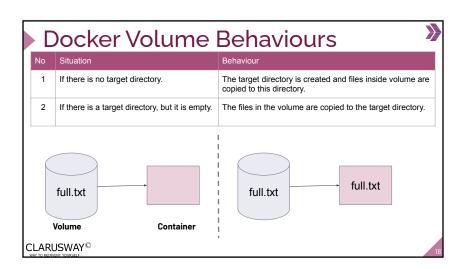
- ☐ The first field is the name of the volume, and is unique on a given host machine.
- The second field is the path where the file or directory are mounted in the container.
- ☐ The third field is optional, and is a comma-separated list of options, such as ro (read only).

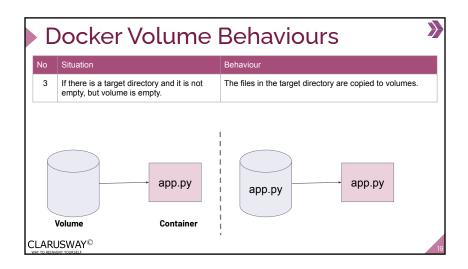
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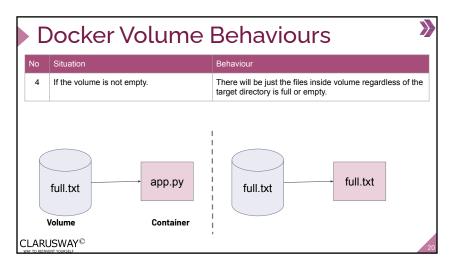


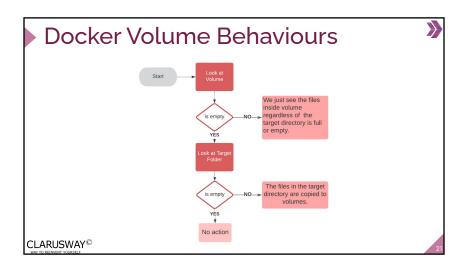


| Vo | Situation | Behaviour |
|----|--|---|
| 1 | If there is no target directory. | The target directory is created and files inside volume are copied to this directory. |
| 2 | If there is a target directory, but it is empty. | The files in the volume are copied to the target directory. |
| 3 | If there is a target directory and it is not empty, but volume is empty. | The files in the target directory are copied to volumes. |
| 4 | If the volume is not empty. | There will be just the files inside volume regardless of the target directory is full or empty. |











| ommand | Description |
|---------------------|---|
| cker volume create | Create a volume |
| cker volume inspect | Display detailed information on one or more volumes |
| cker volume Is | List volumes |
| cker volume prune | Remove all unused local volumes |
| cker volume rm | Remove one or more volumes |

