Module-3: Storage in Docker

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DEMO-2: Using Bind Mounts for Storage

Note: All commands are executed as root.

1. Bind mounts can be directly mounted to a new container
   To start a container with bind mount using the -v flag

```
docker run –d \
--name <containerName> \
-v <mountPath>:<containerPath> \
imageName
```

   Mounting a bind mount using the --mount flag

```
docker run –d \
--name <containerName> \
--mount type=bind, source=<volumeName>, dst=<containerPath> \
nginx:latest
```

```
root@docker-1:~# docker run -d \
> --name nginxbind \
> -v $(pwd):/app \
> nginx:latest
54149f793a8cc207d29bbbeda86c1928b379e538e8efedeaa51bc78669a54606
```

2. To check the mount type run an inspect command against the container

```
$ docker inspect <containerName>
```

```
"Mounts": [
    {
        "Type": "bind",
        "Source": "/root/storage",
        "Destination": "/app",
        "Mode": "",
        "RW": true,
        "Propagation": "rprivate"
    }
],
```