Advanced Docker - Cheat Sheet

Docker Compose Commands

Start an environment

```
$ sudo docker-compose up
```

Start an environment in detached mode

```
$ sudo docker-compose up -d
```

Stop an environment

```
$ sudo docker-compose stop
```

Stop an environment and remove containers and networks

```
$ sudo docker compose down
```

Stop an environment and remove containers, networks, and volumes

```
$ sudo docker-compose down --volumes
```

Environment Variables

```
services:
  api:
    image: node
    environment:
      - VAR1=VALUE
```

Environment Files

```
services:
  api:
    image: node
    env_file:
      - variables.env
```

Startup/Shutdown Order

```
services:
  db:
    image: mysql

  api:
    image: node
    depends_on:
      - mysql
```

Restart Policies

```yaml
services:
  web:
    image: nginx
    restart: always
```

Volumes

```yaml
volumes:
  db:

services:
  db:
    image: mysql
    volumes:
      - db:/var/lib/mysql
```

Bind Mounts

```yaml
services:
  web:
    image: nginx
    volumes:
      - ./html:/usr/share/nginx/html
```

Networks

```
networks:
  db:

services:
  db:
    image: mysql
    networks:
      - db
```