

Experiment 14

Aim: Working with Metadata, Log File using Docker

1) Adding single label

```
$ docker run -i name=payalsingla -d redis
cd4008531c56
$ docker ps
```

CONTAINER ID	IMAGE	NAMES	COMMAND	CREATED	STATUS
cd4008531c56	redis	tender_mahavira	"docker-entrypoint.s..."	10 seconds ago	Up 8 seconds
26615d94649f	redis	rd	"docker-entrypoint.s..."	8 minutes ago	Up 8 minutes

```
$
```

2) Inspecting

```
    "redis-server"
  ],
  "ArgsEscaped": true,
  "Image": "redis",
  "Volumes": {
    "/data": {}
  },
  "WorkingDir": "/data",
  "Entrypoint": [
    "docker-entrypoint.sh"
  ],
  "OnBuild": null,
  "Labels": {
    "name": "payalsingla"
  }
},
```

3) Adding multiple labels

```
$ echo "user1=payal" >> labelfile && echo "user2=singla" >> labelfile
$ docker run --label-file=labelfile -d redis
f1d1dcd4bc037486408c5512b2711364fb3ceefa6b059b64842d89713bcc615c
$
```

4) Inspecting

```
        "docker-entrypoint.sh"
      ],
      "OnBuild": null,
      "Labels": {
        "user1": "payal"
        "user2": "singla"
      }
    },
    "NetworkSettings": {
      "Bridge": "",
      "SandboxID": "6fc5239acda10263f86cf7fa142e64f0e4c16627c45364ba3a9a18d1ceb33dff",
      "PortMapping": {
        "53": {
          "HostPort": 53,
          "ContainerPort": 53
        }
      }
    }
  }
}
```

5) Filtering the search

```
$ docker ps --filter "label=user1=payal"
CONTAINER ID   IMAGE    COMMAND                  CREATED        STATUS
f1d1dcd4bc03   redis    "docker-entrypoint.s..." 2 minutes ago  Up 2 minutes
6379/tcp                               awesome_rosalind
```