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1 1. Pre-installation Docker
2    1)Set up the repository
3      $ sudo apt update
4      $ sudo apt-get install ca-certificates curl gnupg
5
6    2)Add Docker's official GPG key
7      $ sudo install -m 0755 -d /etc/apt/keyrings
8      $ curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o
      /etc/apt/keyrings/docker.gpg
9      $ sudo chmod a+r /etc/apt/keyrings/docker.gpg
10
11   3)Set up the stable repository
12     echo ₩
13       "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.gpg]
14       https://download.docker.com/linux/ubuntu ₩
15       $(. /etc/os-release && echo "$VERSION_CODENAME") stable" | ₩
16       sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
17
18 2. Installation Docker Engine
19   1)Repository update
20     $ sudo apt update
21
22   2)Install latest version of Docker engine and containerd
23     $ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
24
25
26 3. Post-installation Docker
27   1)Docker Service 상태 확인
28     $ sudo systemctl status docker
29     ● docker.service - Docker Application Container Engine
30       Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
31       Active: active (running) since Tue 2024-01-09 11:15:35 UTC; 5min ago
32       TriggeredBy: ● docker.socket
33       Docs: https://docs.docker.com
34       Main PID: 2469 (dockerd)
35       Tasks: 8
36       Memory: 34.1M
37       CPU: 321ms
38       CGroup: /system.slice/docker.service
39             └─2469 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock
40
41       Jan 09 11:15:35 ip-172-31-4-124 systemd[1]: Starting Docker Application Container Engine...
42       Jan 09 11:15:35 ip-172-31-4-124 dockerd[2469]: time="2024-01-09T11:15:35.148902052Z" level=info
43       msg="Starting up"
44       Jan 09 11:15:35 ip-172-31-4-124 dockerd[2469]: time="2024-01-09T11:15:35.151154217Z" level=info
45       msg="detected 127.0.0.53 nameserver, assuming systemd-resolved, so using resolv.conf:
46       /run/systemd/resolve/res>Jan 09 11:15:35 ip-172-31-4-124 dockerd[2469]:
47       time="2024-01-09T11:15:35.306600798Z" level=info msg="Loading containers: start."
48       Jan 09 11:15:35 ip-172-31-4-124 dockerd[2469]: time="2024-01-09T11:15:35.626878778Z" level=info
49       msg="Loading containers: done."
50       Jan 09 11:15:35 ip-172-31-4-124 dockerd[2469]: time="2024-01-09T11:15:35.694477632Z" level=info
51       msg="Docker daemon" commit=311b9ff graphdriver=overlay2 version=24.0.7
52       Jan 09 11:15:35 ip-172-31-4-124 dockerd[2469]: time="2024-01-09T11:15:35.694911232Z" level=info
53       msg="Daemon has completed initialization"
54       Jan 09 11:15:35 ip-172-31-4-124 dockerd[2469]: time="2024-01-09T11:15:35.747364896Z" level=info
55       msg="API listen on /run/docker.sock"
56       Jan 09 11:15:35 ip-172-31-4-124 systemd[1]: Started Docker Application Container Engine.
57       lines 1-21/21 (END)
58
59   2)현재 계정(ubuntu)를 docker group에 포함하기

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```
52 $ sudo usermod -aG docker $USER
53 $ logout
54 $ id
55 uid=1000(ubuntu) gid=1000(ubuntu)
   groups=1000(ubuntu),4(adm),20(dialout),24(cdrom),25(floppy),27(sudo),29(audio),30(dip),44(video),46(plugdev),
   119(netdev),120(lxd),999(docker)

56
57 3)설치 버전 확인하기
58 $ docker version
59 Client: Docker Engine - Community
60 Version:      24.0.7
61 API version:   1.43
62 Go version:    go1.20.10
63 Git commit:    afdd53b
64 Built:         Thu Oct 26 09:07:41 2023
65 OS/Arch:       linux/amd64
66 Context:       default
67
68 Server: Docker Engine - Community
69 Engine:
70 Version:      24.0.7
71 API version:   1.43 (minimum version 1.12)
72 Go version:    go1.20.10
73 Git commit:    311b9ff
74 Built:         Thu Oct 26 09:07:41 2023
75 OS/Arch:       linux/amd64
76 Experimental:  false
77 containerd:
78 Version:      1.6.26
79 GitCommit:    3dd1e886e55dd695541fdcd67420c2888645a495
80 runc:
81 Version:      1.1.10
82 GitCommit:    v1.1.10-0-g18a0cb0
83 docker-init:
84 Version:      0.19.0
85 GitCommit:    de40ad0
86
87
88 4)hello-world Container Image 실행하기
89 $ sudo docker run hello-world
```