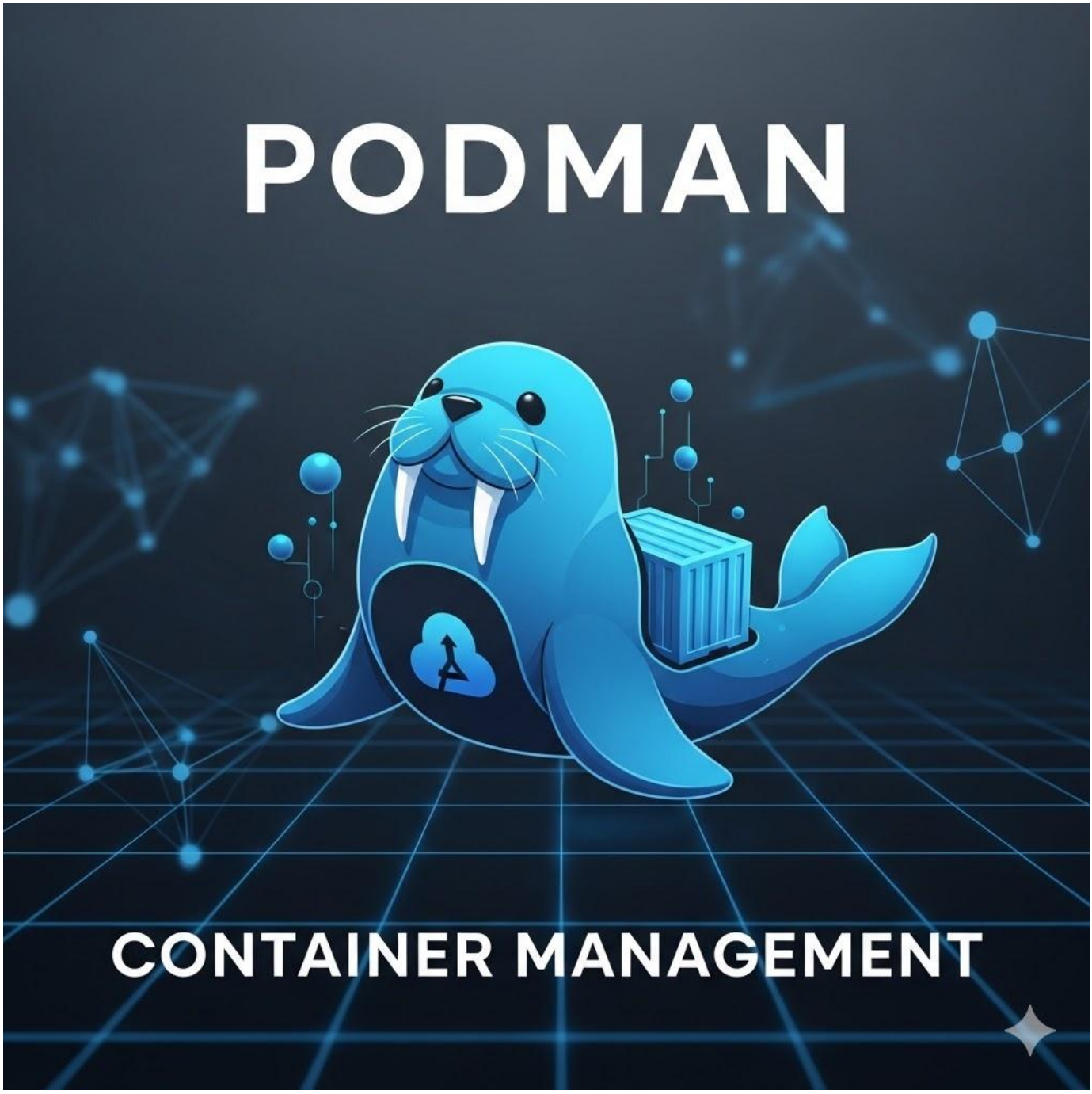
podman□□□□



Gemini3□ □□□ AI□□□

1. docker없이 컨테이너 실행하기

1. podman-docker 패키지를 통해 docker가 설치되어 있지 않아도 docker 명령어를 실행할 수 있습니다.
2. 사실 커맨드가 매핑도이 있는것이고 실제로는 podman을 실행하게 됩니다.

```
$> yum install podman-docker -y
마지막 메타자료 만료확인 1:40:24 이전인: 2022년 02월 07일 (월) 오후 12시 21분 09초.
종속성이 해결되었습니다.
============================================================================
=====
 꾸러미      구조    버전                                  레포지터리     크기
============================================================================
=====
설치 중:
 podman-docker
           noarch 3.3.1-9.0.1.module+el8.5.0+20416+d687fed7 ol8_appstream
 56 k

연결 요약
============================================================================
=====
설치  1 꾸러미

총계 내려받기 크기: 56 k
설치된 크기 : 230
꾸러미 내려받기중:
podman-docker-3.3.1-9.0.1.module+el8.5.0+20416+d 288 kB/s |  56 kB     00:00
----------------------------------------------------------------------------
-----
합계                                                284 kB/s |  56 kB     00:00
연결 확인 실행 중
연결 확인에 성공했습니다.
연결 시험 실행 중
연결 시험에 성공했습니다.
연결 실행 중
```

```
  □□ □           :
                                                        1/1
  □□ □           : podman-docker-3.3.1-9.0.1.module+el8.5.0+20416+d687f
  1/1
  □□□□□ □□ □: podman-docker-3.3.1-9.0.1.module+el8.5.0+20416+d687f   1/1
[/usr/lib/tmpfiles.d/pesign.conf:1] Line references path below legacy
directory /var/run/, updating /var/run/pesign → /run/pesign; please update
the tmpfiles.d/ drop-in file accordingly.

  □□ □           : podman-docker-3.3.1-9.0.1.module+el8.5.0+20416+d687f
  1/1

□□□□□□□□:
  podman-docker-3.3.1-9.0.1.module+el8.5.0+20416+d687fed7.noarch

□□□□□□□□!
```

```
# yum module install container-tools -y
□□□ □□□□□ □□□□□ 0:09:24 □□□: 2022□ 02□ 07□ (□) □□ 03□ 57□ 13□.
□□□□ □□□□□□□□.
================================================================================
=====
 □□□         □□   □□                                  □□□□□     □□
================================================================================
=====
□□/□□ □□□ □□:
 crun           x86_64 1.0-1.module+el8.5.0+20416+d687fed7   ol8_appstream
193 k
 python3-podman noarch 3.2.0-2.module+el8.5.0+20416+d687fed7 ol8_appstream
148 k
 udica          noarch 0.2.5-2.module+el8.5.0+20416+d687fed7 ol8_appstream
 51 k
□□ □□□ □□ □:
 python3-pytoml noarch 0.1.14-5.git7dea353.el8               ol8_appstream
 25 k
 python3-pyxdg  noarch 0.25-16.el8                           ol8_appstream
 94 k
□□ □□□□ □□:
 container-tools/common
```

□□ □□
==
=====
□□ 5 □□□

□□ □□□□□ □□: 510 k
□□□ □□ : 1.6 M
□□□ □□□□□□:
(1/5): crun-1.0-1.module+el8.5.0+20416+d687fed7. 1.6 MB/s | 193 kB   00:00
(2/5): python3-podman-3.2.0-2.module+el8.5.0+204 65 kB/s | 148 kB   00:02
(3/5): python3-pytoml-0.1.14-5.git7dea353.el8.no 10 kB/s | 25 kB   00:02
(4/5): python3-pyxdg-0.25-16.el8.noarch.rpm   39 kB/s | 94 kB   00:02
(5/5): udica-0.2.5-2.module+el8.5.0+20416+d687fe 33 kB/s | 51 kB   00:01

□□   133 kB/s | 510 kB   00:03
□□ □□ □□ □
□□ □□□ □□□□□□□.
□□ □□ □□ □
□□ □□□ □□□□□□□.
□□ □□ □
  □□ □   :
                                                        1/1
  □□ □   : python3-pyxdg-0.25-16.el8.noarch
                       1/5
  □□ □   : python3-pytoml-0.1.14-5.git7dea353.el8.noarch
         2/5
  □□ □   : python3-podman-3.2.0-2.module+el8.5.0+20416+d687fed7
  3/5
  □□ □   : udica-0.2.5-2.module+el8.5.0+20416+d687fed7.noarch
    4/5
  □□ □   : crun-1.0-1.module+el8.5.0+20416+d687fed7.x86_64
       5/5
  □□□□□ □□ □: crun-1.0-1.module+el8.5.0+20416+d687fed7.x86_64   5/5
  □□ □   : crun-1.0-1.module+el8.5.0+20416+d687fed7.x86_64
       1/5
  □□ □   : python3-podman-3.2.0-2.module+el8.5.0+20416+d687fed7

```
  2/5
  □□ □           : python3-pytoml-0.1.14-5.git7dea353.el8.noarch
         3/5
  □□ □           : python3-pyxdg-0.25-16.el8.noarch
                       4/5
  □□ □           : udica-0.2.5-2.module+el8.5.0+20416+d687fed7.noarch
    5/5

□□□□□□□□:
  crun-1.0-1.module+el8.5.0+20416+d687fed7.x86_64
  python3-podman-3.2.0-2.module+el8.5.0+20416+d687fed7.noarch
  python3-pytoml-0.1.14-5.git7dea353.el8.noarch
  python3-pyxdg-0.25-16.el8.noarch
  udica-0.2.5-2.module+el8.5.0+20416+d687fed7.noarch
```

□□□□□□□□ !

3. docker□ socket api□ □□□□□ □□□ podman-docker □□□□ □□□□ /var/run/docker.sock□ /var/run/podman/podman.sock□ □□□ □□□□ □□□ docker-py, docker-compose□ □□□ docker api□ □□□ □□□ □ □□□□ .
4. podman□□ □□□□ □□ docker □□□ □□□□ , □□ , □□□□ , □□□□ , □□□ , □□□ , □□ , docker swarm□ □□□□□ .

2. Rooless□□

1. □□□ □□□□ □□□□ □□□ □□□ □□□ □□ □□□□□ . (root - /var/lib/containers/storage, non root - $HOME/.local/share/containers/storage)
2. rootless □□□□□ 1024□□□ □□□ □□□ □ □ □□□□ . (tcp/80□ □□□□ apache□ □□ □□□□□□ tcp/80□ □□□□□ □□ □□□□ □□ □□□ □□□)
3. 1024 □□ □□□ □□□□□ □□□ □□□ □□ □□□ □□□ □□ □□□ , □□□□ □□□□□ □□□□□ □□□□ . (□□□ □□)

```
$> echo 80 > /proc/sys/net/ipv4/ip_unprivileged_port_start
```

4. 8.1□□ rootless Containers□□□ □□□□ □□□□□ □□□□ □□□ □ □□□□ . (rootless□ □□□□)

```
$> podman pull docker.io/library/httpd
Trying to pull docker.io/library/httpd:latest...
Getting image source signatures
Copying blob 5eb5b503b376 done
Copying blob 10c4d45228bf done
Copying blob a43a76ccc967 done
Copying blob 942bd346e7f7 done
Copying blob cdb155854ae6 done
Copying config a8ea074f45 done
Writing manifest to image destination
Storing signatures
a8ea074f4566addcd01f9745397f32be471df4a4abf200f0f10c885ed14b1d28
[user@test~]$ docker  image ls
Emulate Docker CLI using podman. Create /etc/containers/nodocker to quiet
msg.
REPOSITORY               TAG         IMAGE ID      CREATED      SIZE
docker.io/library/httpd  latest      a8ea074f4566  11 days ago  148 MB
```

3. □□□□□ □□

1. registries.conf□ □□□□□ □□□□ □□ □□□□□ □□□ □□□□ □□□□ , □□ □□□□ □□□ □□□□□□ □□ □ □ □□□□ .

```
$> vi /etc/containers/registries.conf
...
unqualified-search-registries = ["container-registry.oracle.com",
"docker.io", "container.test.com"]
...
```

2. test.com□ TLS □□ pull □□

```
$> vi /etc/containers/registries.conf
...
[[registry]]
location="container.test.com"
insecure = true
...
```

3. □□ □□□□□ □□ □□

```
$> vi /etc/containers/registries.conf
...
[[registry]]
location="container.test.com"
blocked = true
...
```

4. □□□ □□

1. skopeo □□□□ □□ □□□ □□□ □□□ □ □□□□ .
2. httpd container □□ □□ □□

```
# skopeo inspect docker://docker.io/library/httpd:latest
{
   "Name": "docker.io/library/httpd",
   "Digest":
"sha256:5cc947a200524a822883dc6ce6456d852d7c5629ab177dfbf7e38c1b4a647705",
   "RepoTags": [
       "2",
       "2-alpine",
       "2-alpine3.13",
       "2-alpine3.14",
       "2-alpine3.15",
       "2-bullseye",
       "2-buster",
       "2.2",
       "2.2-alpine",
       "2.2.29",
       "2.2.31",
       "2.2.31-alpine",
       "2.2.32",
       "2.2.32-alpine",
       "2.2.34",
       "2.2.34-alpine",
       "2.4",
       "2.4-alpine",
       "2.4-alpine3.13",
```

```
        "2.4-alpine3.14",
        "2.4-alpine3.15",
        "2.4-bullseye",
        "2.4-buster",
        "2.4.10",
        "2.4.12",
        "2.4.16",
        "2.4.17",
        "2.4.18",
        "2.4.20",
        "2.4.23",
        "2.4.23-alpine",
        "2.4.25",
        "2.4.25-alpine",
        "2.4.27",
        "2.4.27-alpine",
        "2.4.28",
        "2.4.28-alpine",
        "2.4.29",
        "2.4.29-alpine",
        "2.4.32",
        "2.4.32-alpine",
        "2.4.33",
        "2.4.33-alpine",
        "2.4.34",
        "2.4.34-alpine",
        "2.4.35",
        "2.4.35-alpine",
        "2.4.37",
        "2.4.37-alpine",
        "2.4.38",
        "2.4.38-alpine",
        "2.4.39",
        "2.4.39-alpine",
        "2.4.41",
        "2.4.41-alpine",
        "2.4.43",
        "2.4.43-alpine",
        "2.4.46",
        "2.4.46-alpine",
```

```
        "2.4.47",
        "2.4.47-alpine",
        "2.4.48",
        "2.4.48-alpine",
        "2.4.48-alpine3.13",
        "2.4.48-alpine3.14",
        "2.4.48-buster",
        "2.4.49",
        "2.4.49-alpine",
        "2.4.49-alpine3.14",
        "2.4.49-buster",
        "2.4.50",
        "2.4.50-alpine",
        "2.4.50-alpine3.14",
        "2.4.50-buster",
        "2.4.51",
        "2.4.51-alpine",
        "2.4.51-alpine3.14",
        "2.4.51-alpine3.15",
        "2.4.51-bullseye",
        "2.4.51-buster",
        "2.4.52",
        "2.4.52-alpine",
        "2.4.52-alpine3.15",
        "2.4.52-bullseye",
        "alpine",
        "alpine3.13",
        "alpine3.14",
        "alpine3.15",
        "bullseye",
        "buster",
        "latest"
    ],
    "Created": "2022-01-26T08:38:51.175633696Z",
    "DockerVersion": "20.10.7",
    "Labels": null,
    "Architecture": "amd64",
    "Os": "linux",
    "Layers": [
        "sha256:5eb5b503b37671af16371272f9c5313a3e82f1d0756e14506704489ad9900803"
```

```
,
       "sha256:a43a76ccc96739928c7e884f2210dde01ae5b1fd8822f8cdd56e6ba64ec3125a"
,
       "sha256:942bd346e7f719d26e022dfc42eea7e1fa5cf9ad60ec80ed0ef79ded05288be6"
,
       "sha256:cdb155854ae6a9e25834459a7c9dfc7be157a2ebfca5adbdb036aeea43ce3128"
,
       "sha256:10c4d45228bf56285a1e2c828d60e34d8413ee80e1abd738ef190be843d9dc1e"
   ],
   "Env": [
       "PATH=/usr/local/apache2/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/us
r/bin:/sbin:/bin",
       "HTTPD_PREFIX=/usr/local/apache2",
       "HTTPD_VERSION=2.4.52",
       "HTTPD_SHA256=0127f7dc497e9983e9c51474bed75e45607f2f870a7675a86dc90af6d57
2f5c9",
       "HTTPD_PATCHES="
   ]
```

Revision #2

Created 2022-06-08 03:19:55 KST by artop0420

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