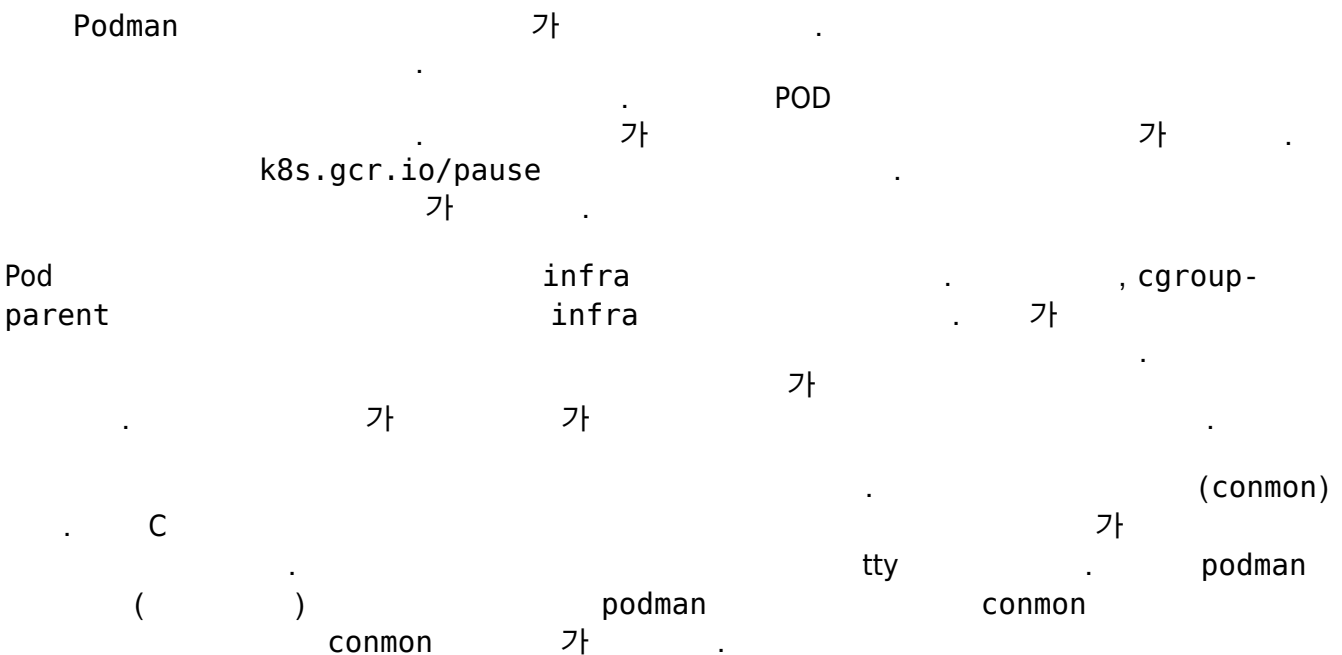
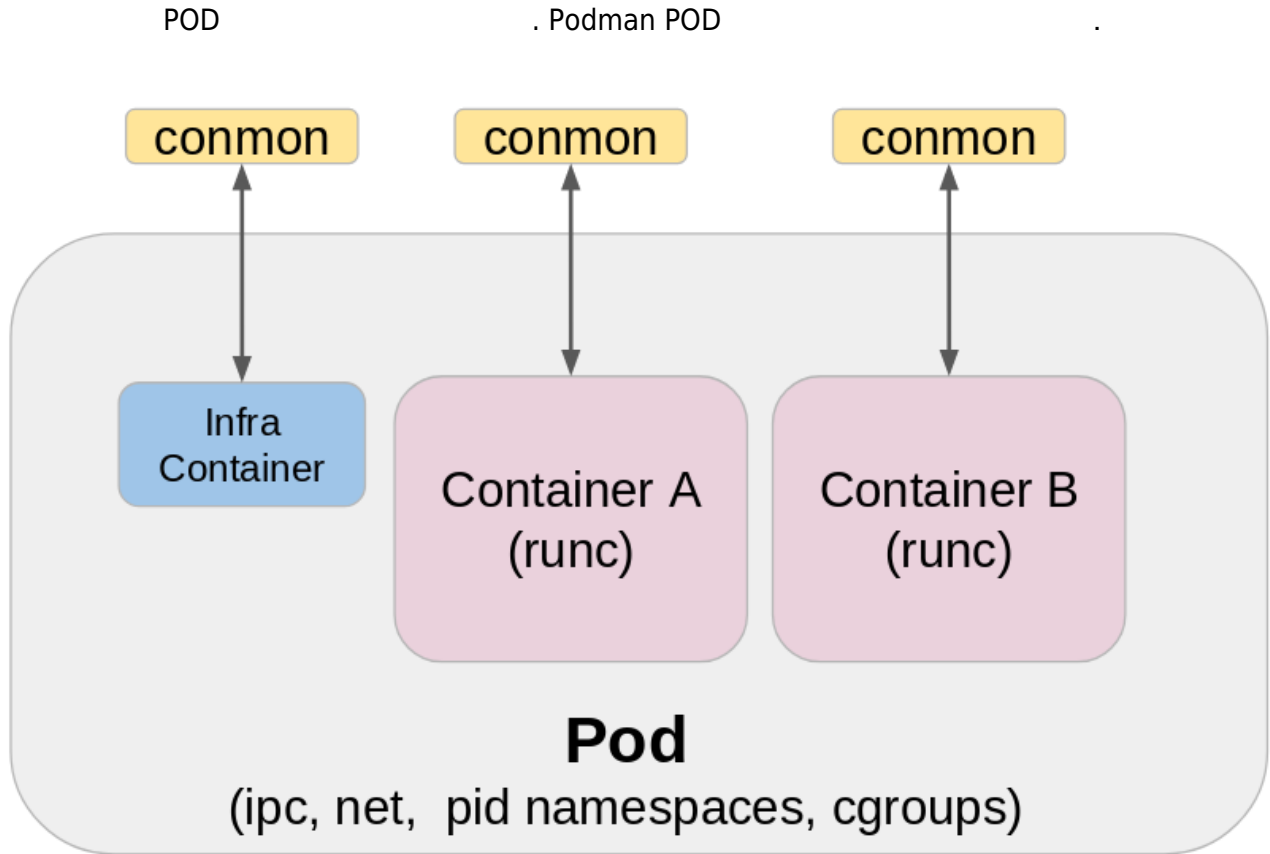


- Podman** 3
- Podman Pods:** 3
- The CLI: podman pod** 4
- Create a pod** 4
- Add a container to a pod** 6
- Shortcut to create pods** 6
- Pods and container management** 7
- 9

Podman

Podman Pods:



The CLI: podman pod

podman pod
podman pod , , . podman pod

\$ sudo podman pod

NAME:

podman pod - Manage container pods.

Pods are a group of one or more containers sharing the same network, pid and ipc namespaces.

USAGE:

podman pod command [command options] [arguments...]

COMMANDS:

- create Create a new empty pod
exists Check if a pod exists in local storage
inspect displays a pod configuration
kill Send the specified signal or SIGKILL to containers in pod
pause Pause one or more pods
ps, ls, list List pods
restart Restart one or more pods
rm Remove one or more pods
start Start one or more pods
stats Display percentage of CPU, memory, network I/O, block I/O and PIDs for containers in one or more pods
stop Stop one or more pods
top Display the running processes of containers in a pod
unpause Unpause one or more pods

OPTIONS:

--help, -h show help

Create a pod

Podman podman pod create

\$ sudo podman pod create --help

NAME:

podman pod create - Create a new empty pod

USAGE:

podman pod create [command options] [arguments...]

DESCRIPTION:

Creates a new empty pod. The pod ID is then printed to stdout. You can then start it at any time with the podman pod start <pod_id> command. The pod will be created with the initial state 'created'.

OPTIONS:

- cgroup-parent value Set parent cgroup for the pod
- infra Create an infra container associated with the pod to share namespaces with
- infra-command value The command to run on the infra container when the pod is started (default: "/pause")
- infra-image value The image of the infra container to associate with the pod (default: "k8s.gcr.io/pause:3.1")
- label value, -l value Set metadata on pod (default [])
- label-file value Read in a line delimited file of labels (default [])
- name value, -n value Assign a name to the pod
- pod-id-file value Write the pod ID to the file
- publish value, -p value Publish a container's port, or a range of ports, to the host (default [])
- share value A comma delimited list of kernel namespaces the pod will share (default: "cgroup,ipc,net,uts")

가 podman pod create Podman 가

\$ sudo podman pod create

9e0a57248aedc453e7b466d73ef769c99e35d265d97f6fa287442083246f3762

podman pod list

\$ sudo podman pod list

POD ID	NAME	STATUS	CREATED	# OF CONTAINERS
9e0a57248aed 6074ffd22b93	youthful_jones	Running	5 seconds ago	1

-pod* 가 infra podman ps *-

```
$ sudo podman ps -a --pod
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
NAMES POD
6074ffd22b93 k8s.gcr.io/pause:3.1 3 minutes ago Up 3 minutes ago
9e0a57248aed-infra 9e0a57248aed
```

podman ps POD ID가 podman pod list POD ID
infra .

Add a container to a pod

podman create podman run *--pod* 가
top *youthful_jones*
가 . *--pod*

```
$ sudo podman run -dt --pod youthful_jones docker.io/library/alpine:latest
top
0f62e6dcdfdbf3921a7d73353582fa56a545502c89f0dfcb8736ce7be61c9271
```

가 .

```
$ sudo podman pod ps
POD ID NAME STATUS CREATED # OF CONTAINERS
INFRA ID
9e0a57248aed youthful_jones Running 7 minutes ago 2
6074ffd22b93
```

```
$ sudo podman ps -a --pod
CONTAINER ID IMAGE COMMAND CREATED
STATUS PORTS NAMES POD
0f62e6dcdfdb docker.io/library/alpine:latest top 14 seconds ago Up
14 seconds ago awesome_archimedes 9e0a57248aed
6074ffd22b93 k8s.gcr.io/pause:3.1 7 minutes ago Up 7
minutes ago 9e0a57248aed-infra 9e0a57248aed
```

Shortcut to create pods

podman run podman create

가 .

```

가
infra
infra
가 가
가 Red Hat Enterprise Linux 7.6 8 Beta
Podman
*--pod*: new:<name> new:
Podman
nginx 80 32597

```

```

$ sudo podman run -dt --pod new:nginx -p 32597:80
quay.io/libpod/alpine_nginx:latest
ac8839fc7dead8e391e7983ad8d0c27ce311d190b0a8eb72dcde535de272d537

$ curl http://localhost:32597
podman rulez

```

```

$ sudo podman ps -ap
CONTAINER ID IMAGE COMMAND NAMES
CREATED STATUS PORTS
POD
ac8839fc7dea quay.io/libpod/alpine_nginx:latest nginx -g daemon o... 4
minutes ago Up 4 minutes ago happy_cray
3e4cad88f8c2
c2f7c5651275 k8s.gcr.io/pause:3.1 4
minutes ago Up 4 minutes ago 0.0.0.0:32597->80/tcp 3e4cad88f8c2-infra
3e4cad88f8c2

```

Pods and container management

```

Podman Pod
Pod , Pod
nginx , demodb 가 MariaDB
( infra )가 가

```

```

$ sudo podman pod ps
POD ID NAME STATUS CREATED # OF CONTAINERS INFRA
fa7924a5196c demodb Running About a minute ago 3
3005ed8491d0

$ sudo podman ps -p
CONTAINER ID IMAGE COMMAND

```

Table with 5 columns: CREATED, STATUS, PORTS, NAMES, POD. It lists two pods: one for nginx (quay.io/libpod/alpine_nginx:latest) and one for MariaDB (quay.io/baude/mariadbpoddemo:latest).

nginx MariaDB

```
$ sudo podman stop optimistic_edison
02e37a3b987300e9124b61820119ae425c5e496b907800ecaf1194a3f50e5dcc
```

nginx 가 demopod MariaDB 가

```
$ sudo podman pod ps
POD ID      NAME      STATUS      CREATED      # OF CONTAINERS      INFRA ID
fa7924a5196c  demodb  Running     5 minutes ago 3                      3005ed8491d0

$ sudo podman ps -p
CONTAINER ID  IMAGE      COMMAND
CREATED      STATUS      PORTS      NAMES      POD
2597454063f8  quay.io/baude/mariadbpoddemo:latest  docker-entrypoint... 5
minutes ago  Up 5 minutes ago      eloquent_golick  fa7924a5196c
```

nginx

```
$ sudo podman start optimistic_edison
optimistic_edison

$ sudo podman ps -p
CONTAINER ID  IMAGE      COMMAND
CREATED      STATUS      PORTS      NAMES      POD
02e37a3b9873  quay.io/libpod/alpine_nginx:latest  nginx -g daemon o... 8
minutes ago  Up 6 seconds ago      optimistic_edison  fa7924a5196c
2597454063f8  quay.io/baude/mariadbpoddemo:latest  docker-entrypoint... 8
minutes ago  Up 8 minutes ago      eloquent_golick  fa7924a5196c
```

podman pod stop

```
$ sudo podman pod stop demodb
fa7924a5196cb403298ad2ce24f0db30a3790e80729c7704ef5fdc27302f7ad0
```

```
$ sudo podman ps -ap
```


CONTAINER ID	IMAGE	COMMAND	PORTS	NAMES
02e37a3b9873	quay.io/libpod/alpine_nginx:latest	nginx -g daemon o...	10	
minutes ago	Exited (0) 21 seconds ago			
optimistic_edison	fa7924a5196c			
2597454063f8	quay.io/baude/mariadbpoddemo:latest	docker-entrypoint...	10	
minutes ago	Exited (0) 19 seconds ago			
eloquent_golick	fa7924a5196c			
3005ed8491d0	k8s.gcr.io/pause:3.1		10	
minutes ago	Exited (0) 19 seconds ago	0.0.0.0:43871->3306/tcp		
fa7924a5196c-infra	fa7924a5196c			

Pod Exited

```
$ sudo podman pod ps
POD ID      NAME      STATUS    CREATED          # OF CONTAINERS  INFRA ID
fa7924a5196c  demodb  Exited    13 minutes ago   3
3005ed8491d0
```

가 Running 가

```
$ sudo podman pod start demodb
fa7924a5196cb403298ad2ce24f0db30a3790e80729c7704ef5fdc27302f7ad0

$ sudo podman ps -p
CONTAINER ID  IMAGE                                COMMAND
CREATED      STATUS          PORTS  NAMES          POD
02e37a3b9873  quay.io/libpod/alpine_nginx:latest  nginx -g daemon o... 14
minutes ago  Up 5 seconds ago  optimistic_edison  fa7924a5196c
2597454063f8  quay.io/baude/mariadbpoddemo:latest  docker-entrypoint... 14
minutes ago  Up 4 seconds ago  eloquent_golick    fa7924a5196c

$ sudo podman pod ps
POD ID      NAME      STATUS    CREATED          # OF CONTAINERS  INFRA ID
fa7924a5196c  demodb  Running   14 minutes ago   3                3005ed8491d0
```

podman pod restart Pod

- <https://developers.redhat.com/blog/2019/01/15/podman-managing-containers-pods>

podman_

Last update: 2021/07/27 01:57

https://atl.kr/dokuwiki/doku.php/podman_%EB%A1%9C%EC%BB%AC_%EC%BB%A8%ED%85%8C%EC%9D%B4%EB%84%88_%EB%9F%80%ED%83%80%EC%9E%84%EC%97%90%EC%84%9C_%ED%8F%AC%EB%93%9C_%EB%B0%BF_%EC%BB%A8%ED%85%8C%EC%9D%B4%EB%84%88_%EA%B4%80%EB%A6%AC

From: <https://atl.kr/dokuwiki/> - AllThatLinux!

Permanent link: https://atl.kr/dokuwiki/doku.php/podman_%EB%A1%9C%EC%BB%AC_%EC%BB%A8%ED%85%8C%EC%9D%B4%EB%84%88_%EB%9F%80%ED%83%80%EC%9E%84%EC%97%90%EC%84%9C_%ED%8F%AC%EB%93%9C_%EB%B0%BF_%EC%BB%A8%ED%85%8C%EC%9D%B4%EB%84%88_%EA%B4%80%EB%A6%AC

Last update: 2021/07/27 01:57

