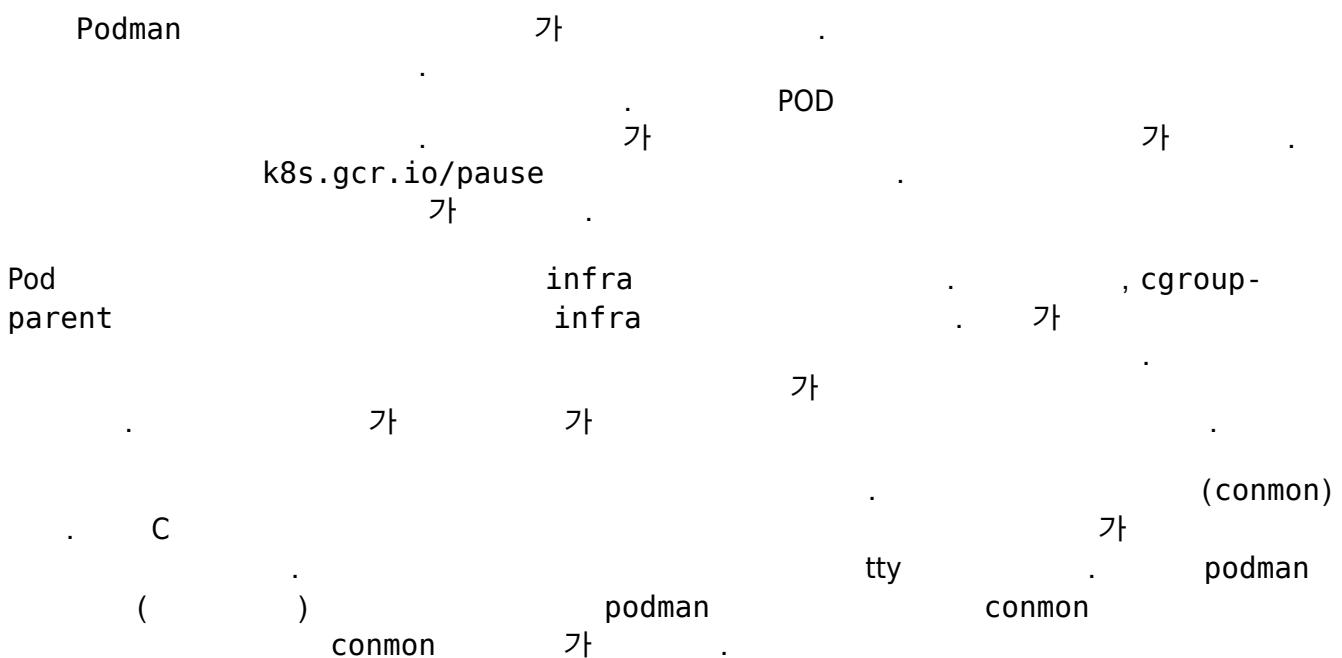
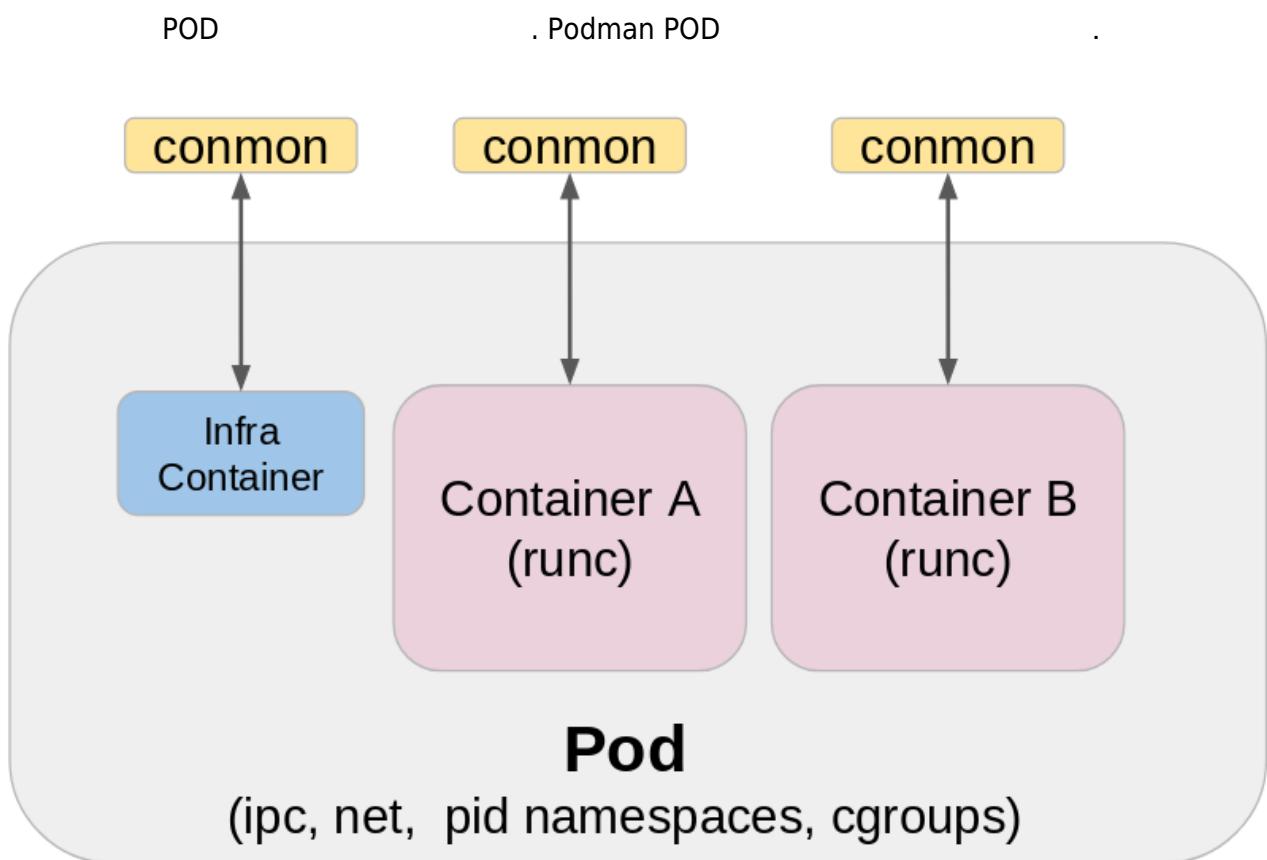


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podman_
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- https://atl.kr/dokuwiki/doku.php/podman_%EB%A1%9C%EC%BB%AC_%EC%BB%A8%ED%85%8C%EC%9D%B4%EB%84%88_%EB%9F%B0%ED%83%80%EC%9E%84%EC%97%90%EC%84%9C_%ED%8F%AC%EB%93%9C_%EB%80%8F_%EC%BB%A8%ED%85%8C%EC%9D%B4%EB%84%88_%EA%B4%80%EB%A6%AC

Podman

Podman Pods:



```
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```

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")
```

```
$ sudo podman pod create
```

9e0a57248aedc453e7b466d73ef769c99e35d265d97f6fa287442083246f3762

`podman pod list`

```
$ sudo podman pod list
POD ID          NAME          STATUS      CREATED      # OF CONTAINERS
INFRA ID
9e0a57248aed  youthful_jones  Running  5 seconds ago  1
6074ffd22b93
```

가 . infra . podman ps * -
-pod*

```
podman_
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2021/07/27 01:57
```

```
$ 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 ID 가 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
NAMES PORTS STATUS 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 .

```

Podman          가          infra
                .          ``infra

Podman          가          Red Hat Enterprise Linux 7.6   8 Beta
                .          .

*--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
CREATED       STATUS      PORTS                 NAMES
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            .          . demodb      가      MariaDB
nginx          .          (  infra    )가      .

```

```

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

$ sudo podman ps -p
CONTAINER ID  IMAGE                               COMMAND

```

```
podman_
Last update: https://atl.kr/dokuwiki/doku.php/podman_
2021/07/27 01:57
```

CREATED	STATUS	PORTS	NAMES	POD
02e37a3b9873	Up 4 minutes ago	nginx:latest	nginx -g daemon o...	4 minutes ago Up 4 minutes ago
2597454063f8	Up 4 minutes ago	mariadb:latest	docker-entrypoint...	4 minutes ago Up 4 minutes ago

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/mariadb: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/mariadb: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	
CREATED	STATUS	PORTS	NAMES
POD			
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 . 가
Running

```
$ 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>

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-
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