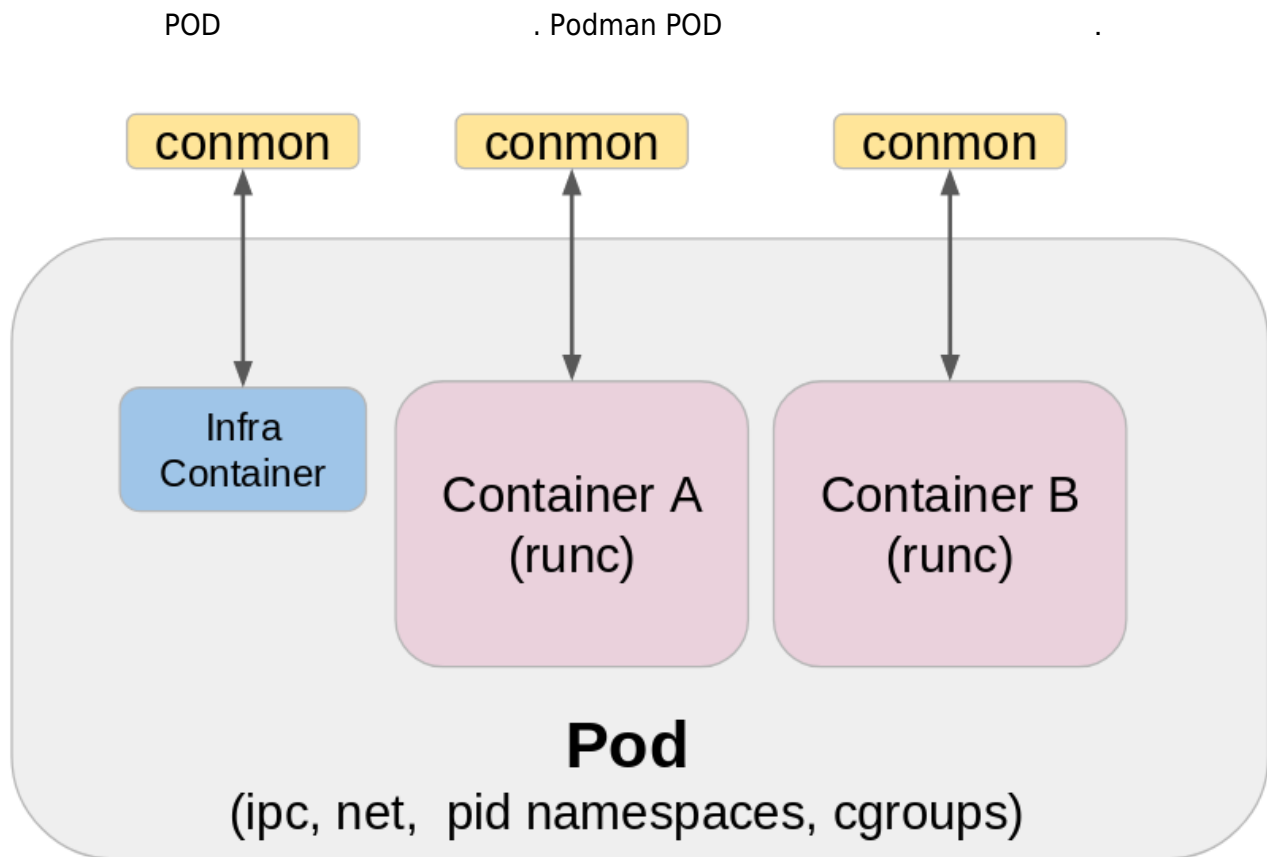


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Podman

Podman Pods:



Podman 가 .
 .
 .
 k8s.gcr.io/pause 가 .
 .
 Pod parent infra , cgroup-
 infra 가 .
 가 .
 가 가 .
 .
 C 가 (common)
 .
 () podman tty common podman
 common 가 .

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
9e0a57248aedc453e7b466d73ef769c99e35d265d97f6fa287442083246f3762	youthful_jones	Running	5 seconds ago	1

가 . infra . podman ps *-
-pod* 가 .

```
$ sudo podman ps -a --pod
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
NAMES		POD			
6074ffdd22b93	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
0f62e6dcfdbf3921a7d73353582fa56a545502c89f0dfcb8736ce7be61c9271
```

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
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

Pod , MariaDB

nginx (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
```

CREATED	STATUS	PORTS	NAMES	POD
02e37a3b9873	quay.io/libpod/alpine_nginx:latest	nginx -g daemon o...	4	
minutes ago Up 4 minutes ago		optimistic_edison	fa7924a5196c	
2597454063f8	quay.io/baude/mariadbpoddemo:latest	docker-entrypoint...	4	
minutes ago Up 4 minutes ago		eloquent_golick	fa7924a5196c	

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
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
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/mariadb-poddemo:latest	docker-entrypoint...	10 minutes ago	Exited (0) 19 seconds ago
eloquent_golick	fa7924a5196c			
3005ed8491d0	k8s.gcr.io/pause:3.1		0.0.0.0:43871->3306/tcp	10 minutes ago
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/mariadb-poddemo: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	- https://atl.kr/dokuwiki/doku.php/podman_%EB%A1%9C%EC%BB%AC_%EC%BB%A8%ED%85%8C%EC%9D%84%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%80%BF_%EC%BB%A8%ED%85%8C%EC%9D%84%EB%84%88_%EA%B4%80%EB%A6%AC
01:57	-
	-

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