

1 PKS CheatSheet

TOOLS

- PDF Link: [cheatsheet-pks-A4.pdf](#), Category: tools
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-pks-A4>

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1.1 Concepts

Name	Command
CFCR (Cloud Foundry Container Runtime)	link: what is cfc CFCR aims to deplo and manage fleets of Kubernetes clusters
Kubo	link: cfc Old name of CFCR
Bosh	link: BOSH CHEATSHEET
Tile	link: BOSH CHEATSHEET
Ops Manager	link: BOSH CHEATSHEET
osb (on-demand-service-broker)	
nep (NSX-T container plugin CNI)	Help to create pod networks in PKS k8s clusters link: CheatSheet: Cloud Network

1.2 Reference

Name	Command
PKS Release Notes	https://docs.pivotal.io/runtimes/pks/1-1/release-notes.html
Managing PKS	https://docs.pivotal.io/runtimes/pks/1-1/managing.html

1.3 Basic

Name	Command
Links	Pivotal Container Service (PKS) Documentation, PKS Concepts
Create k8s cluster	link: Create a Kubernetes Cluster
Air-gapped deployments	No incoming and outgoing traffic during the PKS deployment
List all pks clusters	<code>pks clusters</code>
Create cluster	<code>pks create-cluster cluster1 --external-hostname cluster1.pks.com --plan "\$plan"</code>
Check cluster status	<code>pks cluster cluster1</code>
Get cluster credential for kubectl	<code>pks get-credentials <Cluster_name></code>
Set kubectl context	<code>kubectl config use-context <cluster_name></code>
List all available plans	<code>pks plans</code>

1.4 Users Management

Name	Command
Login	<code>pks login -a <api.test.com> -u <username> -p <passwd> -k</code> link: Manage Users in UAA
Login	<code>pks login --skip-ssl-validation --username <username> --password <password> --api <pks.te></code>
Run bosh command	Get bosh credential from Ops Manager, ssh to opsmanager, and run bosh commands
Default roles	<code>pks.clusters.manage</code> , <code>pks.clusters.admin</code>

1.5 Online Help Usage

```
[ec2-user@ip-172-31-33-176 ~]$ pks --help
```

The Pivotal Container Service (PKS) CLI is used to create, manage, and delete Kubernetes clusters. To deploy workloads to a Kubernetes cluster created using the PKS CLI, use the Kubernetes CLI, `kubectl`.

Version: 1.1.1-build.8

Usage:

`pks [command]`

Available Commands:

cluster	View the details of the cluster
clusters	Show all clusters created with PKS
create-cluster	Creates a kubernetes cluster, requires cluster name, an external host name, and plan
delete-cluster	Deletes a kubernetes cluster, requires cluster name
get-credentials	Allows you to connect to a cluster and use kubectl
help	Help about any command
login	Log in to PKS
logout	Log out of PKS
plans	View the preconfigured plans available
resize	Increases the number of worker nodes for a cluster

Flags:

-h, --help	help for pks
--version	version for pks

Use "pks [command] --help" for more information about a command.

1.6 More Resources

<https://github.com/pks-tips/tips>

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