

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 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> |

1.2 Login

| Name | Command |
|-----------------------------------|----------------------------------------------------------------------------------------------------|
| Login | <code>pks login -a <api.test.com> -u <username> -p <passwd> -k</code> |
| Login | <code>pks login --skip-ssl-validation --username <username> --password <passwd></code> |
| Run bosh command in OpsManager VM | Get bosh credential from Ops Manager |

1.3 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.

1.4 More Resources

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

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