

# Percona Operator for PostgreSQL

Access the digital cheatsheet at [percona.com/k8s](https://percona.com/k8s)  
Documentation: [docs.percona.com](https://docs.percona.com)

## Deploy and connect

Description	Command
Create namespace	<code>kubectl create namespace &lt;NAMESPACE_NAME&gt;</code>
Switch context to namespace	<code>kubectl config set-context --namespace=&lt;NAMESPACE_NAME&gt;</code>
Deploy Operator	<code>kubectl apply -f bundle.yaml --server-side</code>
Deploy database cluster	<code>kubectl apply -f cr.yaml</code>
List all database clusters	<code>kubectl get pg</code>
Get pgBouncer connection string	<code>kubectl get secret &lt;DB_CLUSTER_NAME&gt;-pguser-&lt;DB_CLUSTER_NAME&gt; -o jsonpath='{.data.pgouncer-uri}'   base64 --decode</code>
Delete database cluster	<code>kubectl delete psmdb &lt;DB_CLUSTER_NAME&gt;</code>

## Backup and restore

Description	Command
Create manual backup	<code>kubectl apply -f backup.yaml</code>
List available backups	<code>kubectl get pg-backup</code>
Get backup status	<code>kubectl get pg-backup &lt;BACKUP_NAME&gt;</code>
Restore backup	<code>kubectl apply -f restore.yaml</code>
Get restore status	<code>kubectl get pg-restore &lt;RESTORE_NAME&gt;</code>
Delete backup	<code>kubectl delete pg-backup &lt;BACKUP_NAME&gt;</code>

## Troubleshoot

Description	Command
Get cluster status	<code>kubectl get pg &lt;DB_CLUSTER_NAME&gt;</code>
Get details about cluster	<code>kubectl get pg &lt;DB_CLUSTER_NAME&gt; -o yaml</code>
Get Operator Pod name	<code>kubectl get pods -l app.kubernetes.io/component=operator -l app.kubernetes.io/instance=percona-postgresql-operator -o name</code>
Get logs of Operator	<code>kubectl logs -f &lt;OPERATOR_POD_NAME&gt;</code>



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