

Percona Operator for MongoDB

Access the digital cheatsheet at percona.com/k8s
Documentation: docs.percona.com

Deploy and connect

Description	Command
Create namespace	<code>kubectl create namespace <NAMESPACE_NAME></code>
Switch context to namespace	<code>kubectl config set-context --namespace=<NAMESPACE_NAME></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 psmdb</code>
Get admin user and password	<code>kubectl get secret <DB_CLUSTER_NAME> -o jsonpath='{.data.MONGODB_DATABASE_ADMIN_USER}' base64 --decode</code> <code>kubectl get secret <DB_CLUSTER_NAME> -o jsonpath='{.data.MONGODB_DATABASE_ADMIN_PASSWORD}' base64 --decode</code>
Get database cluster endpoint to connect	<code>kubectl get psmdb <DB_CLUSTER_NAME> -o jsonpath='{.status.host}'</code>
Delete database cluster	<code>kubectl delete psmdb <DB_CLUSTER_NAME></code>

Backup and restore

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

Troubleshoot

Description	Command
Get cluster status	<code>kubectl get psmdb <DB_CLUSTER_NAME></code>
Get details about cluster	<code>kubectl get psmdb <DB_CLUSTER_NAME> -o yaml</code>
Get all the Pods of cluster	<code>kubectl get pods -l app.kubernetes.io/instance=<DB_CLUSTER_NAME> -l app.kubernetes.io/part-of=percona-server-mongodb</code>
Get Operator Pod name	<code>kubectl get pods -l name=percona-server-mongodb-operator -o name</code>
Get logs of Operator	<code>kubectl logs -f <OPERATOR_POD_NAME></code>
Get Service resources of database cluster	<code>kubectl get svc -l app.kubernetes.io/part-of=percona-server-mongodb -l app.kubernetes.io/instance=<DB_CLUSTER_NAME></code>



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