Overview
Percona Cloud Native Autonomous Database Initiative

Executive Summary
Percona has improved data performance for over 3,000 customers worldwide since 2006. Our global network of experts provides enterprise-class software, support, consulting, and managed services solutions that maximize application performance while streamlining database efficiencies for MySQL, MariaDB, MongoDB, PostgreSQL and other databases across traditional and cloud-based platforms.

Statement from Partner
“We are super excited about working with RedHat. The majority of our customers and users already rely on RedHat Enterprise Linux, and we are seeing more and more of them moving to OpenShift. “Cloud Native” is the de-facto standard for all application development. Developers are now demanding their databases are also cloud native. The combination of Percona’s operators with OpenShift help fill this need.” — Matt Yonkovit, Chief Experience Officer, Percona

Statement from Red Hat Connect
“Developers and architects looking to build new applications in, and for the cloud, or migrate existing applications to a cloud-based infrastructure, partner with Red Hat to develop and deliver more supportable solutions sooner.” said Mike Werner, Sr. Director, Global Technology Partners, Red Hat. “Red Hat certification assures a supportable platform for all types of customer deployment models. Red Hat is thrilled to work with software partners like Percona resulting in the world’s largest open, and commercially supportable application ecosystem.”

Company Description
Percona is a leader in providing best-of-breed enterprise-class support, consulting, managed services, training, and software for MySQL®, MariaDB®, MongoDB®, PostgreSQL® and other open source databases in on-premises and cloud environments. Our services and software accommodate rapid growth and application development, help you develop and deploy agile solutions and improve your ability to keep up with customer needs.

Product Profile
The Percona Kubernetes Operator for Percona XtraDB Cluster automates the creation, alteration, or deletion of nodes in your cluster environment. It can be used to instantiate a new database cluster or to scale an existing database cluster. The Operator contains all necessary Kubernetes settings to provide a proper and consistent Percona XtraDB Cluster instance.

FAST FACTS
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Percona
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Product Benefits

• **Deploy easily.** Create a Percona XtraDB Cluster environment with no single point of failure and the ability to span multiple activity or availability zones.

• **Scale Your Percona XtraDB Cluster.** Change the size parameter to add or remove members of the Percona XtraDB Cluster.

• **Automate Your Backups.** Configure Percona XtraDB Cluster backups to run on a scheduled basis and support simple restores.

• **Integrate with Percona Monitoring and Management (PMM).** Use Percona’s monitoring tool to view and manage your Percona XtraDB Cluster environment.

• **Rely on ProxySQL to remove single point of failure.** Rely on ProxySQL’s native clustering with Kubernetes anti-affinity rules to deploy an environment that removes any single point of failure.

• **Automate node recovery.** Use the self-healing capability to automatically recover from failure of a single Percona XtraDB Cluster node.

• **Provide data encryption.** Rely on support for data encryption in transit.

• **Support private data registries.** Access information from a private registry to enhance security.

Use Cases

• Cloud Native Open Source Database

• Database As A Service

• Database Automation

• IT Modernization

Percona XtraDB Cluster Operator is a Red Hat certified application and is available for customer download from OperatorHub.io

https://operatorhub.io/operator/percona-xtradb-cluster-operator