

Charmed OpenSearch

OpenSearch® operations, simplified



Free up time to focus on building applications and growing your business rather than maintaining your OpenSearch application. Get automation, enterprise-grade security, scalability, availability, monitoring, and support from trusted experts at Canonical.

Charmed OpenSearch solutions

OpenSearch is a fantastic open source search and analytics suite. But operating and supporting a production OpenSearch solution can be complex and challenging. Canonical's Charmed OpenSearch helps you automate operational tasks and spend more time on value-driving activities.



Fully supported software packages

24x7x365 support on bug fixing and security patching for Charmed OpenSearch packaged as a snap, container image and operator.



Infrastructure as a Service (IaaS) operator

A self-service and automated OpenSearch operator that can be used for OpenSearch deployment in public and private clouds.

Charmed OpenSearch features

OpenSearch

Charmed OpenSearch has all the features available in OpenSearch, a distributed, RESTful search and analytics engine.

Security

Canonical ensures that OpenSearch stays secure by providing patches for Common Vulnerabilities Exposures (CVEs). In addition, Charmed OpenSearch includes security features such as authentication and authorisation, Transport Layer Security (TLS), user management and password rotation.

Advanced features

Charmed OpenSearch includes automation of OpenSearch deployment, scaling and data backup and restore. You can also spin up OpenSearch Dashboard and plug-ins with automated capabilities.

Monitoring

Canonical Observability Stack (COS) provides ways to monitor OpenSearch deployment to improve application performance. This includes built-in tools, alerts, charts, integrations, and logs.

Customer journey

Canonical can support you at every stage of your data journey (from Day 0 to Day 2):

Day 0

Design

- **Proof of Concept (PoC)**
We work with you to build a PoC before investing in infrastructure for advanced use cases. This allows you to assess your return on investment carefully.
- **Data Solutions Training**
Train your team to use our data solutions, from understanding all features to customisation options, deployment and admin tasks.

Day 1

Deployment

- **Data and/or infrastructure migration**
Migration from one infrastructure or database to the new Canonical OpenSearch solution.
- **OpenSearch deployment**
Deploy, set up, configure Charmed OpenSearch in your production environment using the Charmed OpenSearch Infrastructure as a Service (IaaS) operator.

Day 2

Maintenance and support

- **24x7x365 Support and industry-leading SLAs**
Get hands-on monitoring and support for your OpenSearch application, with guaranteed SLA.
- **Management of OpenSearch in the production environment**
Self manage or outsource the life-cycle management of your mission-critical database application to Canonical's experts.

Note: Canonical also offers other data and AI/ML solutions such as Kafka, Spark, OpenSearch, MySQL, PostgreSQL, Kubeflow, MLFlow

Canonical enterprise services

Managed Services

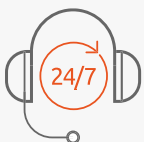
Streamline the otherwise burdensome and time-consuming operational service delivery of high-volume, data-intensive applications by offloading your OpenSearch production environment's design, implementation and management to Canonical experts.

Consulting

Canonical offers advisory services on the design and deployment phase to ensure we collaborate and co-create data solutions that fit and solve your use case needs.

Support

Canonical offers 24x7x365 support for your OpenSearch application so you remain bug-free and secured in the production environment with our experts' help.



Contact us

Our data products are constantly expanding and improving. [Contact us](#) about your unique requirements. We are happy to assist you!

