anil-elastiq /
elastiq-take-home-assessment 🔒

<> **Code**   ⊙ Issues   � Pull requests   32   ▶ Actions   ▦ Projects   ⚠ Security   ∿ Insi

⌱ **main** ▾   **elastiq-take-home-assessment** / **OpenSearch.md** ⧉   ⋯

👤 **anil-elastiq** Create OpenSearch.md   effe408 · 2 months ago ⟲

22 lines (16 loc) · 1.05 KB

Preview   Code   Blame   Raw ⧉ ⤓   ✎ ▾   ☰

OpenSearch hosting in Kubernetes using Operator

Objective

Host an open-source OpenSearch solution inside **Google Cloud Autopilot**, **GKE Standard**, or the equivalent on **AWS** or **Azure** using [Operator](#)

> ℹ️ Note
>
> **Deliverables:**
>
> 1. Provide necessary **credentials** (cloud account, API keys, etc.) to validate the solution.
> 2. **Terraform code**.
> 3. A brief documentation or **README** explaining the approach, best practices followed, and how to validate the deployment.

> 💡 Tip
>
> Implement GCP Workload Identity for secure identity management and avoid static credentials.

> 💬 Important

> Please install OpenSearch only using the operator no helm or any other way to install it.

> ⊘ Caution
>
> - **K8S Best Practices:** Follow cloud security best practices for cluster setup and management e.g., least privilege principle, network policies, node auto-upgrade.
> - **Cost Optimized:** Ensure that all resources created follow cloud cost-optimization guidelines.

Good luck!