MANAGED KUBERNETES SERVICE

Fast and affordable deployment and management of your Kubernetes applications on AWS.

- Kubernetes & AWS experts build and manage your infrastructure.
- Automation accelerates iteration and deployment.
- ShareSave Service & nOps help optimize AWS costs continuously.

- Are you looking for an affordable solution to build and maintain a Kubernetes platform on AWS?
- Do you need to iterate and deploy Kubernetes applications quickly?
- Does your team lack the skills or bandwidth required for highly complex implementations of Kubernetes environments?

What you get with nClouds Managed Kubernetes Service

Faster iteration & deployment of Kubernetes applications.	**Optimized AWS costs** delivered by nClouds ShareSave Service & nOps cloud management platform.	**Kubernetes & AWS experts** build & manage infrastructure so your engineers can focus on innovation.	**A standardized Kubernetes framework** has best practices baked in.	**Automated observability** for infrastructure & applications.

aws partner network

Premier
Consulting Partner

Data & Analytics Competency
DevOps Competency
MSP Partner
Migration Competency
SaaS Competency

What we do:

- For a greenfield setup, nClouds builds the core Kubernetes infrastructure according to our standards and maintains it.
- For an already-existing setup, nClouds migrates it to a standardized setup and maintains it.

Containerize and refactor. Containerize your application with code templates, walkthrough sessions. Perform Dockerfiles best practices review and optimization. Test/integrate Docker using Docker Engine and ngrok.

Build core infrastructure. Build at least two (2) environments (prod and non-prod/stage/QA) with identical settings Prod and Non-Prod/Stage/QA. Use a standardized Kubernetes framework for consistency across environments, faster delivery of production workloads, optimized resources and costs, and built-in fault tolerance, reliability, observability, and reporting.

Integrate applications in Kubernetes with Helm files, multiple replicas across Availability Zones, Kubernetes Operators for stateful workloads, Horizontal Pod and Cluster Autoscalers, minikube for a local production-live stack, and liveness/readiness/startup probes where necessary. Implement minikube to run a fully production-live stack locally.

Deploy existing CI/CD tooling or build scalable Jenkins platform for customers with no pre-existing CI/CD tool via GitOps and ArgoCD. Ensure zero or near-zero disruption of applications during deployment and implement well-tested rollback mechanisms.

Implement monitoring via Datadog or open-source Prometheus/Grafana.

Provide post-buildout services. Maintain Kubernetes operations, infrastructure as code (IaC), automation scripts, and automated deployment pipelines. Identify and remediate the root cause of operational issues. Patch managed AWS services. Provide AWS expertise and feedback on architecture/processes to the customer's development team.

Why nClouds?

AWS Expertise

nClouds is an AWS Premier Consulting Partner – our superpowers include DevOps and application modernization (containers) on AWS for enterprises and startups.

Containerization Experience

nClouds has extensive experience in using highly scalable container management and registry services to simplify the containerization and distribution of applications. We help you build, deploy, manage, and scale containers in production so you can build your applications quickly and efficiently.

> *The BKJ Digital team needed to migrate a fleet of production applications from a legacy infrastructure provider to a modern, flexible, Kubernetes-based stack. The nClouds team's deep experience with Kubernetes on Amazon EKS helped us plan and execute our migration to AWS in record time."*
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> **Ben Durbin, Director of Technology, BKJ Digital** (Read case study)

For more information, email us:

✉ **Email us**