

AWS EKS Workload Migration

Reliable Cloud Migration at Scale with EKS, EC2, and Fargate

Who is this For?

Large Enterprises

Engagements focus on:

- Operational Excellence
- Security
- Reliability
- Performance Efficiency
- Sustainability

This is for customers who need:

- Immediate success
- Container migration services for 100+ workloads to AWS
- Commercial or GovCloud Services. AWS Fargate with Amazon EKS isn't available in AWS GovCloud (US-East or US-WEst).
- Pure cloud, multi-cloud, or hybrid solutions

Migrate Workloads Today

Compute on Amazon Web Services provides a robust operational model while streamlining the process of moving critical business applications closer to the people and services they rely on.

The Challenge

Migrating on-premises workloads to AWS EKS using either EC2 or AWS Fargate can offer several significant benefits:

1. **Cost Optimization:** On-premises workloads often have over-allocated compute resources due to capital expenditure (CapEx) constraints. Migrating to AWS allows for right-sizing workloads, meaning you only pay for the resources you actually use, which can lead to substantial cost savings.
2. **Scalability:** AWS provides the ability to scale resources up or down based on demand. This is particularly beneficial for workloads with variable usage patterns. Features like auto-scaling groups allow for horizontal scaling, which is more efficient than the traditional vertical scaling in on-premises data centers.
3. **Operational Efficiency:** Migrating to AWS can reduce the operational burden on IT staff. For example, the D.C. Metropolitan Police Department was able to realign its IT department to focus more on innovation rather than maintenance by moving to the cloud with WWT's help.
3. **Business Agility:** Migrating to AWS can improve business agility by enabling faster deployment of new applications and services. This can help organizations respond more quickly to market changes and customer needs.

[Read on to Learn how WWT can help!](#)



Migrate Now!

For more information, please contact your WWT Account Manager today get started migrating! AWS.Alliance@WWT.com

We will capture your current system information, map to the target AWS Services account, migrate, and test the workloads. Be sure to ask about our Modernization services to enhance the migration!

AWS EKS Migration

WWT can move your on-premises workloads to AWS Cloud Native containers with proven best practices and precision.

Move to Cloud Native EKS Reliably with WWT

WWT follows a structured, phased approach when migrating on-premises workloads to AWS EKS. Here is an overview of the process:

- 1. On-Premises Environment Details:** Assess the current on-premises environment, including virtual machines, networking, certificates/keys, and Kubernetes configurations. Establish a performance baseline to validate the success of the migration.
- 2. Development Lifecycle Assessment:** Understand the software development lifecycle for each workload, including criteria for successful code promotion and change request processes. Fully understand the CI/CD deployment processes and schedules for updates and release candidates. Identify key components shared by all workloads to streamline the migration process.
- 3. CI/CD Assessment:** Fully understand the CI/CD deployment processes and schedules for updates and release candidates. Identify key components shared by all workloads to streamline the migration process.
- 4. Migrate Workload:** Stand up EKS targets in a well-architected AWS environment. Deploy, test, and adjust the workloads iteratively until a working balance is achieved. Use the data collected to define a path for future workloads and optimize the cloud environment.

This phased approach ensures a comprehensive and efficient migration process, addressing both technical and business aspects to achieve successful outcomes.