

AWS EC2 Workload Migration

Reliable Cloud Migration at Scale with EC2

Who is this For?

Large Enterprises

Engagements focus on:

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

This is for customers who need:

- Immediate success
- Migration services for 100+ workloads to AWS
- Commercial or GovCloud Services
- 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.

EC2 Benefits

Migrating on-premises workloads to AWS EC2 can offer several significant benefits:

Wide Range of Instance Types: EC2 offers a variety of instance types optimized for different use cases, including compute-optimized, memory-optimized, and storage-optimized instances.

Elastic Block Store (EBS): EC2 provides persistent block storage for your instances, which can be scaled independently from the compute resources.

Auto Scaling: Automatically adjust the number of EC2 instances during demand spikes to maintain performance and reduce costs.

Elastic Load Balancing (ELB): Distribute incoming application traffic across multiple EC2 instances to ensure high availability and reliability.

Dedicated Hosts: EC2 offers dedicated hosts, which provide physical servers dedicated for your use, helping you meet compliance requirements and reduce costs by using your existing server-bound software licenses.

Spot Instances: Purchase unused EC2 capacity at a discounted rate, which can significantly reduce your cloud costs for fault-tolerant and flexible applications.

[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 EC2 Migration

WWT can move your on-premises workloads to AWS Cloud Native Ec2 with proven best practices and precision.

Move to Cloud Native EC2 Reliably with WWT

WWT follows a structured, phased approach when migrating on-premises workloads to AWS EC2. 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 EC2 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.
- 5. Post-Migration Optimization:** Optimize for cloud by right-sizing workloads to pay only for the resources required. Utilize AWS features like auto-scaling groups for efficient resource consumption. Consider additional optimizations such as Reserved Instances or Savings Plans for cost savings.

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