

# LAB | Create EC2 Server Using CloudFormation Template

Uploading and deploying the CloudFormation stack

The screenshot shows the AWS CloudFormation console with the following details:

- Stacks (15)**: A list of stacks, with **EC2ServerStack-vijaya3** selected.
- EC2ServerStack-vijaya3** Stack Details:
  - Stack ID**: arn:aws:cloudformation:eu-west-1:586699774218:stack/EC2ServerStack-vijaya3/9f0466a0-f860-11f0-9f6b-0a010f366a6d
  - Description**: -
  - Status**: CREATE\_COMPLETE
  - Detailed status**: -
  - Status reason**: -
  - Root stack**: -
  - Parent stack**: -
  - Created time**: 2026-01-23 14:37:11 UTC+0100
  - Updated time**: -
  - Deleted time**: -
  - Drift status**: -

Verifying EC2 instance creation.

The screenshot shows the AWS EC2 Instances console with the following details for the instance **i-0bd97303f73df1b32**:

- Instance summary for i-0bd97303f73df1b32**
  - Public IPv4 address**: 34.240.53.238
  - Private IP DNS name (IPv4 only)**: ip-172-31-43-211.eu-west-1.compute.internal
  - Instance type**: t2.micro
  - VPC ID**: vpc-0df92408ce1504f65
  - Subnet ID**: subnet-0d9b489c27e18f759
  - Instance ARN**: arn:aws:ec2:eu-west-1:686699774218:instance/i-0bd97303f73df1b32
- Private IPv4 addresses**: 172.31.43.211
- Public DNS**: ec2-34-240-53-238.eu-west-1.compute.amazonaws.com
- Elastic IP addresses**: -
- AWS Compute Optimizer finding**: Opt-in to AWS Compute Optimizer for recommendations.
- Auto Scaling Group name**: -
- Managed**: false

**Root device details**

Root device name /dev/xvda	Root device type EBS	EBS optimization disabled
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**Block devices**

Filter block devices						
Volume ID	Device name	Volume size (GiB)	Volume State	Attachment status	Attachment time	Encrypted
vol-0dc861131cf42235c	/dev/xvda	25	In-use	Attached	2026/01/23 14:37 GMT+1	No

**Volume monitoring (1)**

## Updating the volume size using CloudFormation.

Screenshot of the AWS CloudFormation console showing the EC2ServerStack-vijaya3 stack. The Events tab is selected, displaying 8 events related to the stack's creation and update process. The most recent event is an UPDATE\_IN\_PROGRESS event for the eksctl-yacine-cluster-final-addon-iamserviceaccount-kube-system-ebs-csi-controller-sa-yacine resource.

Screenshot of the AWS EC2 Instances console showing the instance summary for i-073d5d8f9e9bfff825. The instance is running and has a Public IPv4 address of 108.129.116.135. It is associated with a VPC ID of vpc-0df92408ce1504f65 and a Subnet ID of subnet-0d9b489c27e18f759. The instance is managed by Auto Scaling Group name.

Details | Status and alarms | Monitoring | Security | Networking | **Storage** | Tags

▼ Root device details

Root device name /dev/xvda	Root device type EBS	EBS optimization disabled
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▼ Block devices

Filter block devices						
<input checked="" type="checkbox"/> Volume ID	Device name	Volume size (GiB)	Volume State	Attachment status	Attachment time	Enc
vol-0b62da2130fb44213	/dev/xvda	15	In-use	Attached	2026/01/23 14:48 GMT+1	No

Volume monitoring (1)

Investigate with AI - new    3h 1d 1w 1h  UTC timezone  Explore related

Average read latency (ms/op)  Average write latency (ms/op)  Read throughput (KiB/s)  Write throughput (KiB/s)