

Task

Q. Configure an EC2 instance such that its root EBS volume is created automatically during launch, but the volume must NOT be deleted when the EC2 instance is terminated.

Step 1: Go to EC2 Dashboard and Launch Instance

The screenshot shows the AWS EC2 Instances dashboard. On the left, there's a sidebar with options like Dashboard, AWS Global View, Events, Instances (selected), Instances Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, and Capacity Manager. The main area is titled 'Instances Info' and shows a message: 'No instances' and 'You do not have any instances in this region'. There's a large blue 'Launch instances' button. At the bottom, there are links for CloudShell, Feedback, and Console Mobile App, along with copyright information for 2025, Amazon Web Services, Inc. or its affiliates, and links for Privacy, Terms, and Cookie preferences.

Step2: instance configure

The screenshot shows the 'Launch an instance' configuration page. It starts with 'Volume 1 (AMI Root) (Custom)' settings: Storage type (EBS), Device name (required) (/dev/xvda), Snapshot (snap-0a07784b87b951ac9), Size (0 GiB), Volume type (Select), IOPS (2000), Delete on termination (No), Encrypted (Not encrypted), and KMS key (Select). Below these are optional fields for Volume initialization rate (Enter a value, Min: 100 MiB/s, Max: 300 MiB/s, Additional charges apply). The right side shows a 'Summary' section with Number of instances (1), Software Image (Amazon Linux 2023 AMI 2023.9.2...), Virtual server type (t3.micro), Firewall (New security group), and Storage (2 volume(s) - 8 GiB). At the bottom are 'Cancel', 'Launch instance' (highlighted in orange), and 'Preview code' buttons. The footer includes CloudShell, Feedback, and Console Mobile App links, along with copyright information for 2025, Amazon Web Services, Inc. or its affiliates, and links for Privacy, Terms, and Cookie preferences.

Step3: Delete on termination disable and launch instance

Step 4: Terminate the Instance

The screenshot shows the AWS EC2 Instances page. On the left, there's a navigation sidebar with options like Dashboard, AWS Global View, Events, Instances (selected), Instance Types, Launch Templates, Spot Requests, and Customer Plans. The main area displays a table titled 'Instances (1/1) Info' with one row for 'demo-instance' (ID: i-0ad9d83bd1f24b7c2, State: Running). A context menu is open over this row, with the 'Terminate (delete) instance' option highlighted.

Step 5: Verify That Volume Still Exists

The screenshot shows the AWS Elastic Block Store Volumes page. The left sidebar includes Dedicated Hosts, Capacity Reservations, Capacity Manager, Images (AMIs, AMI Catalog), Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), and Network & Security. The main table, titled 'Volumes (2) Info', lists two volumes: 'vol-00f988fc2ec4ef35' (gp3, 8 GiB, 3000 IOPS, 125 Throughput, Snapshot ID snap-0a07784...) and 'vol-0f7fa97e1c0869011' (gp3, 8 GiB, 3000 IOPS, 125 Throughput, Snapshot ID snap-0a07784...). A message at the bottom states 'Fault tolerance for all volumes in this Region'.