

@devopschallengehub



Miscellaneous Questions on EC2 Configuration and Management

- **Can you resize (change type) of an EC2 instance?**
 - Stop the EC2 instance.
- Go to **Actions > Instance settings > Change instance type**.
- Select the new instance type.
- Click **Apply**.
- Start the instance again.
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- **How do you automate EC2 instance creation using CLI or SDK?**
 - A: Use AWS CLI command like `aws ec2 run-instances` or SDK methods like `runInstances()`.
- **How do you create a custom AMI from an existing EC2 instance?**
 - A: Select the instance → Actions → Image → Create Image → Configure AMI details → Create.
- **What's the difference between On-Demand, Reserved, and Spot instances?**
 - A:
 - On-Demand: Pay per hour/second without commitment.
 - Reserved: Commit for 1–3 years for lower cost.
 - Spot: Buy unused capacity at discounted rates, can be interrupted anytime.
- **What is EC2 Hibernate, and when would you use it?**
 - EC2 Hibernate saves the in-memory RAM state to disk when stopping the instance.
- On restart, it restores the RAM, preserving applications and sessions.

- Use it for faster startup and to resume work quickly.
- Ideal for long-running processes, development environments, or pre-warmed instances.

How to do ?

Enable hibernation at instance launch.

- Choose supported instance types (e.g., t3, m5) and Amazon Linux/Ubuntu.
- Use EBS-backed root volume (not instance store).
- Select **Enable hibernation** in the "Configure Instance" step.
- Stop the instance (don't terminate).
- Start again to resume from saved RAM state.

What is EC2 user data primarily used for?

- A) Monitoring instance health
- B) Storing logs
- C) Running startup scripts during instance launch
- D) Encrypting the root volume

Correct Answer: C

What happens when you hibernate an EC2 instance?

- A) The instance is terminated and restarted
- B) RAM contents are saved to disk and restored on start
- C) The instance is paused but still billed fully
- D) All data on EBS is deleted

Correct Answer: B