EC2 PRICING OPTIONS

EC2 Instance Pricing Options

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On Demand

Pay by the hour or the second depending on the type of instance you run.

Reserved

Reserved capacity for one or three years. Up to 72% discount on the hourly charge. Regional.

Spot

Purchase unused capacity at a discount of up to 90%. Prices fluctuate with supply and demand.

Dedicated

A physical EC2 server dedicated for your use. The most expensive option.

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On-Demand Instances

1

Flexible

Low cost and flexibility of Amazon EC2 without any up-front payment or long-term commitment.

2

Short-Term

Applications with short-term, spiky, or unpredictable workloads that cannot be interrupted.

3

Testing The Water

Applications being developed or tested on Amazon EC2 for the first time.

INTRODUCING EC2

Reserved Instances

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Predictable Usage

Applications with steady state or predictable usage.

Standard RIs

Up to 72% off on-demand price.

Specific Capacity Requirements

Applications that require reserved capacity.

Convertible RIs

Up to 54% off on-demand price. Has the option to change to a different Reserved Instance type of equal or greater value.

Pay Up-Front

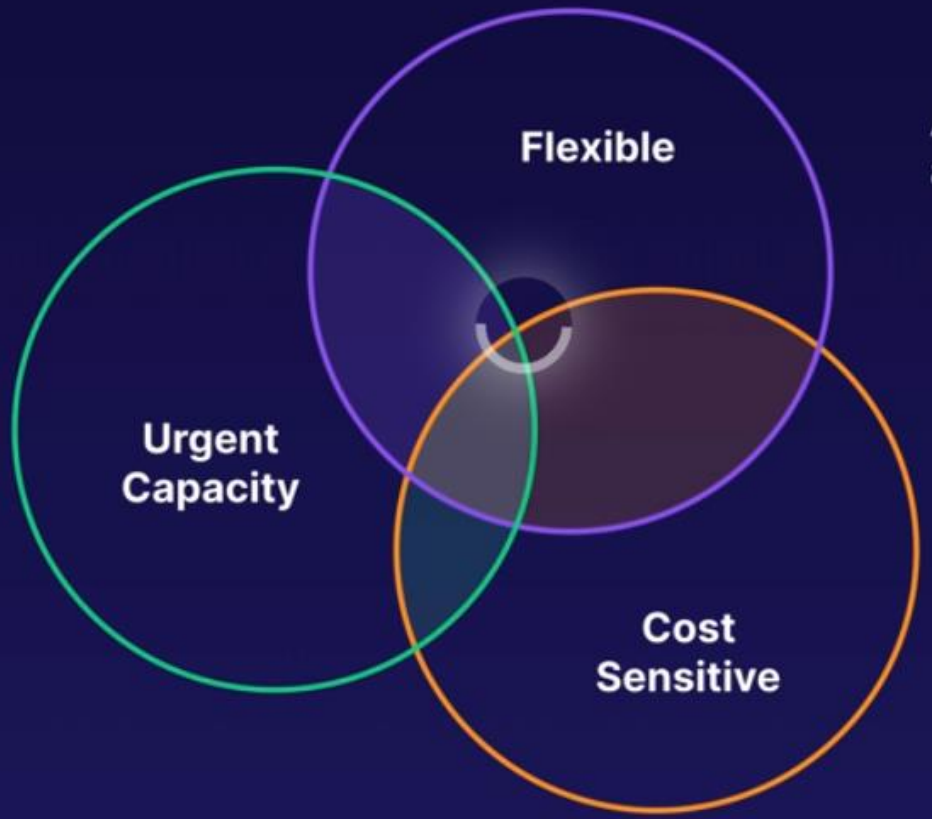
You can make up-front payments to reduce their total computing costs even further.

Scheduled RIs

Launch within the time window you define. Match your capacity reservation to a predictable recurring schedule that only requires a fraction of a day, week, or month.

Spot Instances

When To Use Spot Instances



Applications that have flexible start and end times.

Users with an urgent need for large amounts of additional computing capacity.

Applications that are only feasible at very low compute prices.

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Dedicated Hosts

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Compliance

Regulatory requirements that may not support multi-tenant virtualization.

On-Demand

Can be purchased on-demand (hourly).

Licensing

Great for licensing which does not support multi-tenancy or cloud deployments.

Reserved

Can be purchased as a reservation for up to 70% off the on-demand price.

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Savings Plans

1. **Save up to 72%**

   All AWS Compute usage regardless of instance type or Region.

2. **Commit To One or Three Years**

   Commit to use a specific amount of compute power (measured in $/hour) for a one-year or three-year period.

3. **Super Flexible**

   Not only EC2, also includes serverless technologies like Lambda and Fargate.

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Exam Tips

EC2 Instance Pricing Options

On-Demand

Pay by the hour or the second depending on the type of instance you run. Great for flexibility.

Spot

Purchase unused capacity at a discount of up to 90%. Prices fluctuate with supply and demand. Great for applications with flexible start and end times.

Reserved

Reserved capacity for one or three years. Up to 72% discount on the hourly charge. Great if you have known, fixed requirements.

Dedicated

A physical EC2 server dedicated for your use. Great if you have server-bound licenses to reuse or compliance requirements.