EC2 Instance Types

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On-Demand Instances

- The default type
- The most expensive option
- No commitment
- Prices vary by AWS Region
- Billed on an hourly basis

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Reserved Instances (RI)

- Less expensive
- Requires a commitment (1 or 3 years)
- Reserved capacity
- Lower hourly rate
- RI can be sold on the AWS Marketplace
- You commit to utilization

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Spot Instances

- Unused AWS capacity
- Very cheap hourly rate
- Not guaranteed
- Based on a bid
- Ideal for raw processing power, grid-like applications
- Highly scriptable

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EC2 Instance Family

Micro instances

General purpose

Compute optimized

GPU instances

Memory optimized

Storage optimized

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Summary

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EC2 Instance Family

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