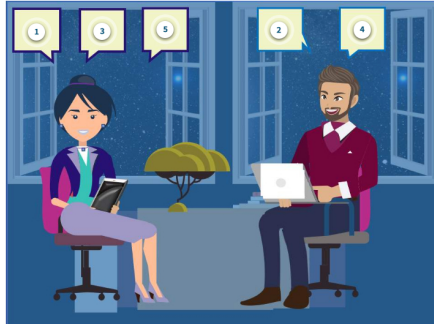


Lesson 10 of 12

## Scenario Summary

Before they head home for the evening, Sofia and John have a brief discussion to summarize the day. To observe the discussion between Sofia and John, choose each numbered marker in order. After you have selected the first marker, you can use the < > arrow keys to navigate through the conversation.



### What John has learned

Sofia asks John to summarize the day, starting with rightsizing and why it's important.

- EC2 instances are classified into families, based on optimization.
- There are five instance families optimized for: general purpose, compute, memory, storage, and accelerated computing.
- When looking at an instance name, such as **c6.small**, the first letter is the family, **c** for compute optimized, the number **6** is the generation of the CPU, and **small** is the size of the instance.
- Right-sizing is the process of matching the resource types and sizes to your workload requirements. It's also the process of looking at deployed instances and identifying opportunities to eliminate or downsize without compromising capacity or other requirements.
- Picking the optimal instance can help you save cost and ensure your workload has the resources that it needs.
- If you continually evaluate new instances as they come out, you could experience both improved performance and cost savings.
- AWS provides various tools to help you to rightsize and optimize your environment, such as Cost Explorer, AWS Health Dashboard, and AWS Pricing Calculator.

### Day end

John has spent a good amount of time learning about Amazon EC2 and looking at his workloads. Now that he has a solid foundation of Amazon EC2 basics, he's going to dive deeper into Amazon EC2 to learn more about deploying instances, connecting to them, managing resources (such as storage and networking), and using the different instance pricing models.

Good luck, John!

Thank you for taking this course!