

Activity and Assessment

Purpose: Apply understanding of cloud elastic scaling to scenarios by identifying each example as scaling out or scaling up.

Activity: Use your knowledge of scalability to place each scenario in the correct category. Use the graphic organizer from the video to help you remember the differences.

Examples: *(with answer key)*

Usually you order the standard size dog food bag, but decide to order it in a bulk size instead because your puppy has almost tripled in size and is eating much more than he used to. <i>(Scaling up)</i>
Your wardrobe has expanded and your clothes no longer fit in your dresser, so you purchase additional plastic bins to organize and store the overflow. <i>(Scaling out)</i>
You love your two-seater convertible, but you're expecting twins and need to trade it in for a more family-friendly vehicle. <i>(Scaling up)</i>
In the past, you couldn't stand spicy foods, but lately your tolerance for heat has increased immensely and you find yourself adding higher doses of potent spices to your dishes. <i>(Scaling up)</i>
For the holidays this year, your family has decided to only purchase gifts for the younger children, so you buy and deliver fewer packages than in the past. <i>(Scaling out)</i>

Scaling Up	Scaling Out
<i>Drag examples of scaling up to this box.</i>	<i>Drag examples of scaling out to this box.</i>

Activity Feedback:

Each time a user drags an example to a title, they will receive feedback.

Example 1 Feedback Incorrect: This would be an example of scaling out if you decided to purchase multiple bags of dog food. This is similar to increasing your number of servers.

Example 1 Feedback Correct: That's right! You're upgrading the storage size of the bag rather than getting multiple bags.

Assessment Question: Use your knowledge from the activity and the lesson to answer.

You have a subscription to a food box service. Normally, you order 1 weekly box with portions set for 2 people. However, you're planning on having company for a week in July. In preparation, what would be the best way to change your order so that you are scaling out to meet the demands of feeding 2 extra people?

- A) You would double your order to include 2 boxes instead of one.
- B) You would double the serving size to 4 for the box coming that week.
- C) You would order groceries online instead of using the service.
- D) You would visit local restaurants in lieu of using the service.