## **Practice Quiz: Automation at Scale**

1/1 point

**TOTAL POINTS 5** 

- What is IaC (Infrastructure as Code)?
  - Writing a program from the outside in
  - Programs for industrial use
  - Hardware-based programming with FPGAs
- Using a version control system to deploy and manage node configurations

✓ Correct

Great job! IaC goes hand in hand with continuous delivery.

| 2. | What is the principle called when you think of networked machines as interchangeable resources instead of |
|----|-----------------------------------------------------------------------------------------------------------|
|    | individual machines?                                                                                      |

- "Flexible deployment"
- The "Borg" principle
- Treating computers like "cattle instead of pets"
- The principle of "group operation"

✓ Correct

Nice work! This means no node is irreplaceable and configuration is automated.

Consistency



Way to go! When a configuration or process doesn't depend on a human remembering to follow all the necessary steps, the result will always be the same.

- Simplicity
- Reliability



## ✓ Correct

Right on! Because automation breeds consistency, when we know a particular process that has been automated works, we can count on it working every time as long as everything remains the same.

Scalability



## ✓ Correct

Woohoo! A scalable system is a flexible system that can handle extra tasks or integrate extra resources easily.

Yes! We can write automation scripts ourselves or we can use some sort of configuration management software

1/1 point

A network administrator is accustomed to manually configuring the 5 nodes on the network he manages.

to make our network scalable by pushing changes from a control server.

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