



# Testing Redundant Systems

Cybersecurity

Cloud Security Day 4





**Today:**

**We will verify redundancy by  
turning off one or more virtual  
machines used in the infrastructure.**

# Testing Redundant Systems

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So far, we've accomplished the following:

01

Created a virtual network.

02

Protected the network with a firewall and completed several firewall rules.

03

Deployed a jump box to the network.

04

Deployed two identical VMs to the network.

05

Used Docker containers to run a website and Ansible.

06

Used Ansible to configure our VMs with code (infrastructure as code).

07

Configured a load balancer to distribute traffic among the VMs.



**In the next activity:**

**You'll stop one VM and check whether you still have access to the site.**



## Activity: Redundancy Testing

In this activity, you will add your latest VM to the back-end pool for your load balancer, and test whether the website continues working if one of your VMs has a problem.

Suggested Time:

20 Minutes

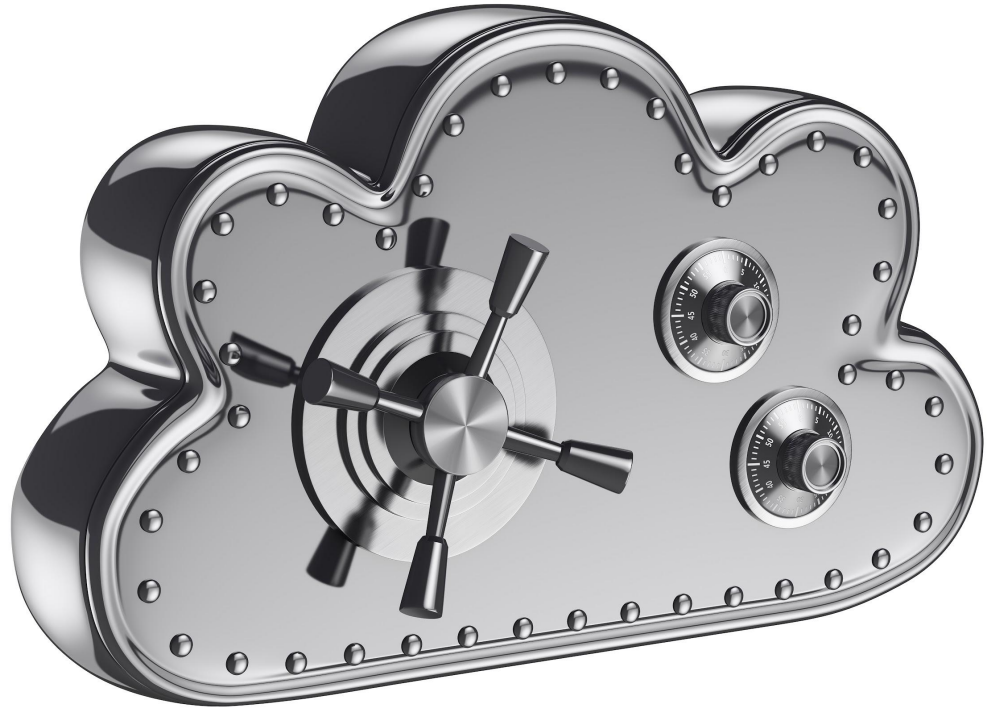


Time's Up! Let's Review.

# Questions?



That concludes  
our week on  
cloud security.







## Next Class

**You will begin your first project, in which you'll develop and secure your own web application!**

# Questions?



*The  
End*