Testing Redundant Systems

Cybersecurity

Cloud Security Day 4

Today:

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

Testing Redundant Systems

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.
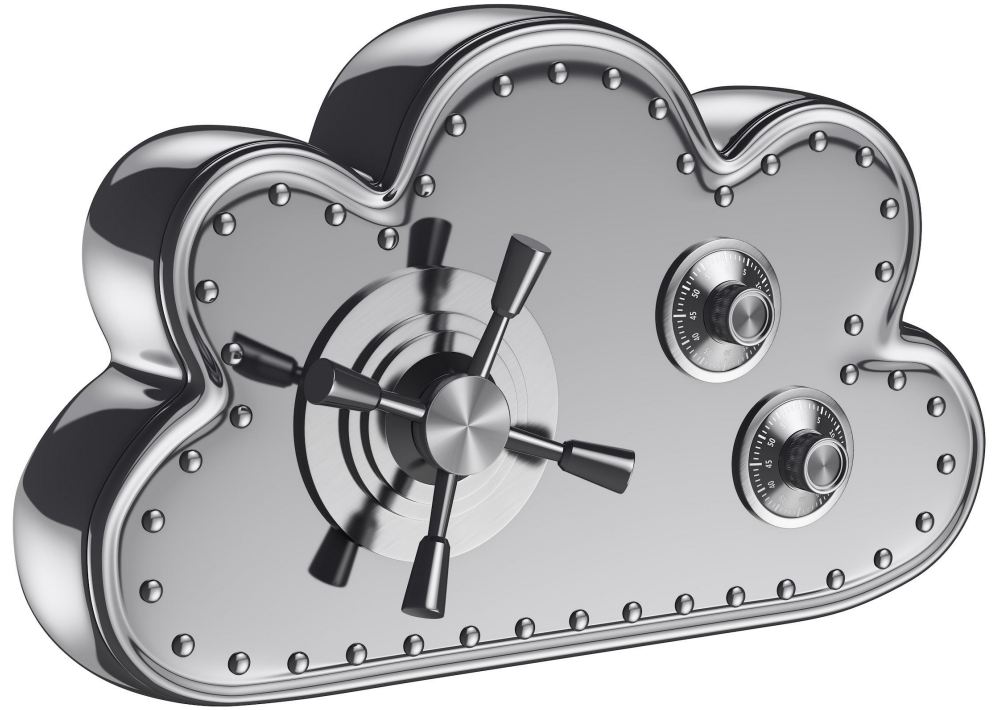
Suggested Time:

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!