

CS50 for MBAs

Cloud Computing

White Castle to hire 100 robots to flip burgers

The robotics program will take place in nearly one-third of the company's locations.



— A burger-flipping robot may be coming to a White Castle near you.

Lindsey Nicholson/Education Images/ / Universal Images Group via Getty Images

Feb. 18, 2022, 10:52 AM EST / Source: TODAY

By Samantha Kubota

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cs50.ly/feedback

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Cloud Computing

scalability

benchmarking

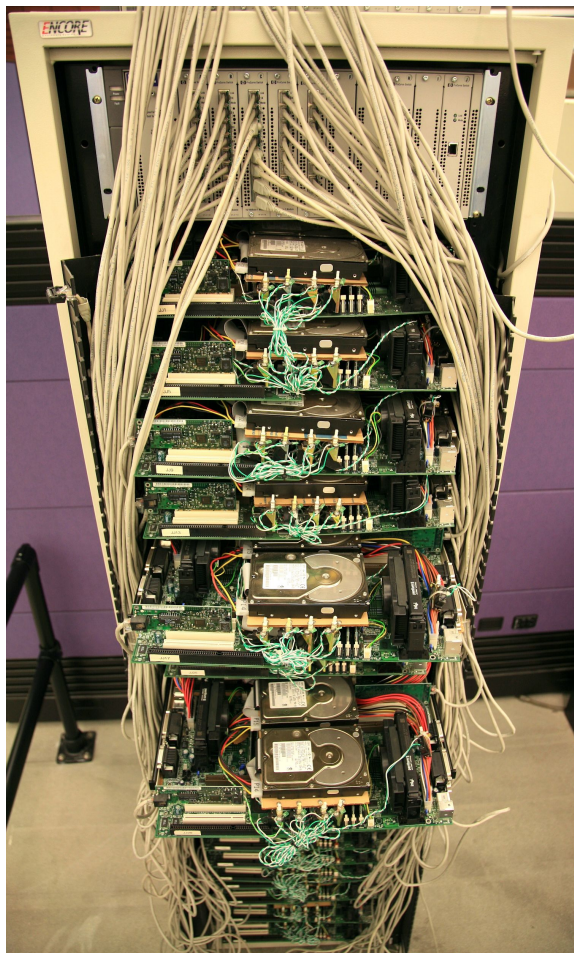
vertical scaling





single point of failure

horizontal scaling



load balancing

high availability

99%

- 14 minutes per day
- 2 hours per week
- 7 hours per month
- 4 days per year

99.999%

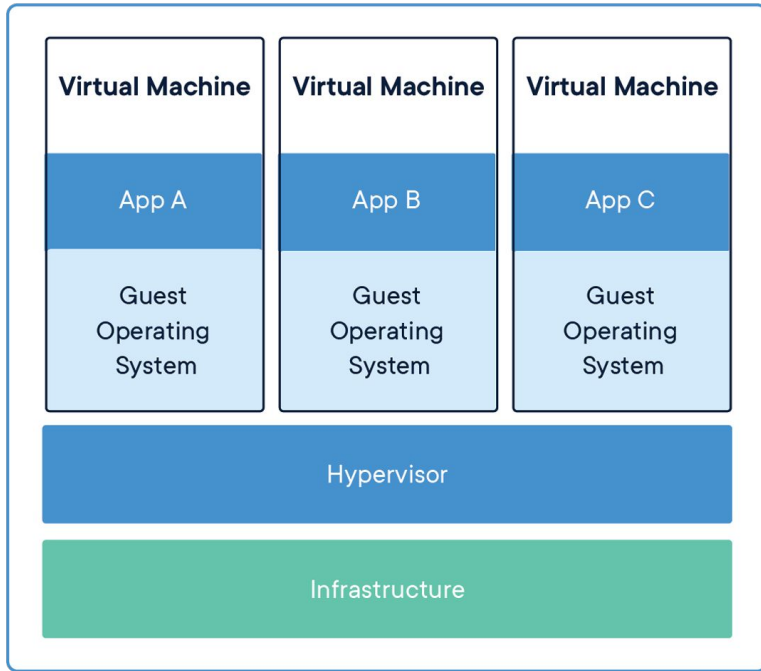
- 1 second per day
- 6 seconds per week
- 26 seconds per month
- 5 minutes per year

on premise

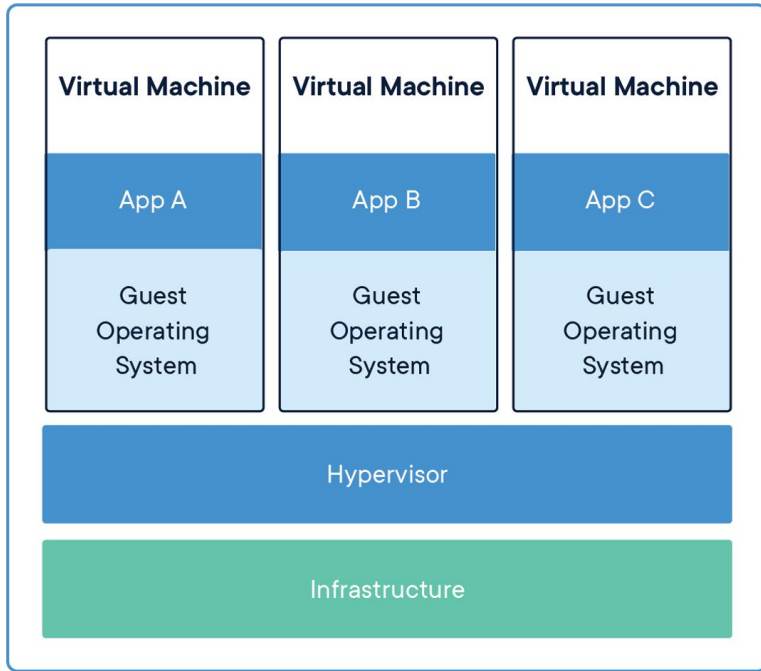
colocation

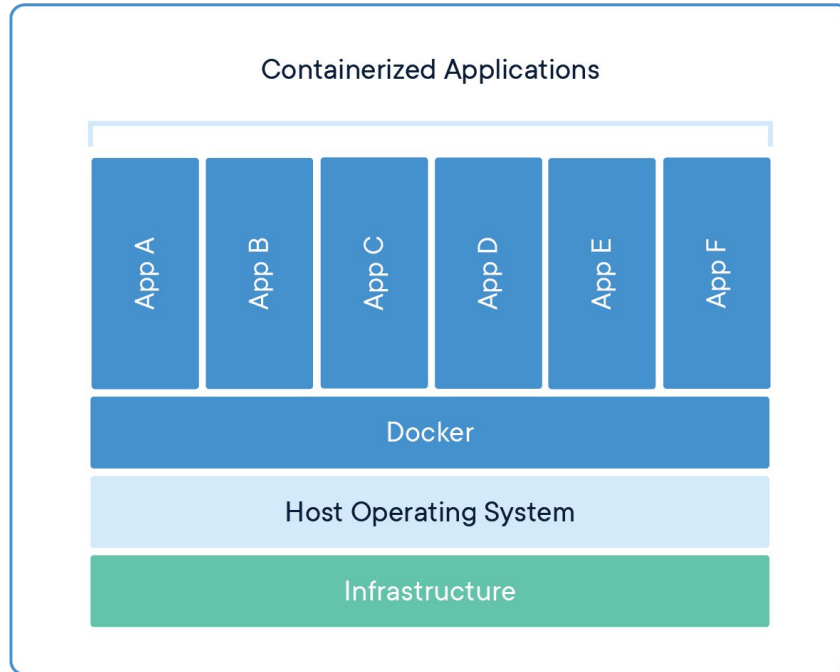
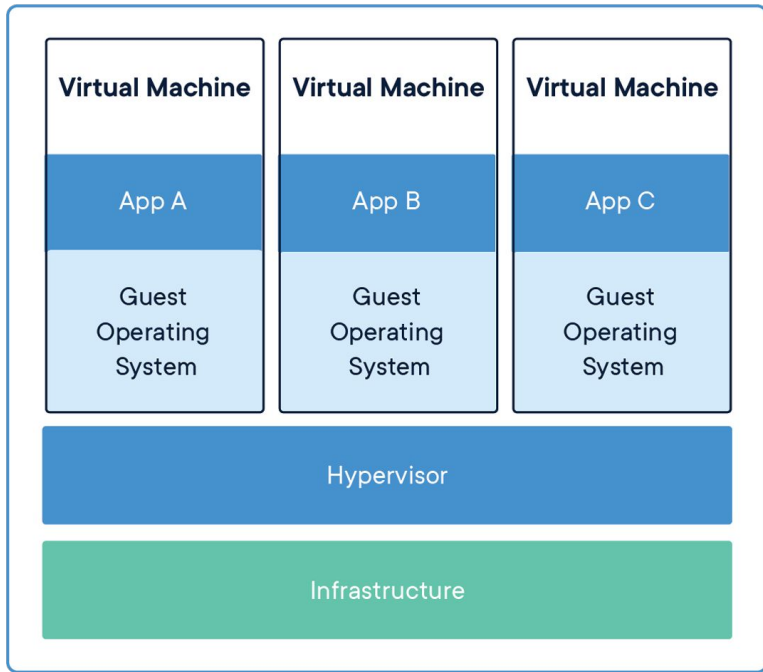
cloud

virtualization



containerization





- infrastructure as a service (IaaS)
- platform as a service (PaaS)
- function as a service (FaaS), serverless
- backend as a service (BaaS)
- software as a service (SaaS), no-code

edge computing

Lab 7

Assignment 9

Office Hours

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