

# Container Panel Discussion

Concepts, Challenges, First Steps

Who here uses smartphones?

**Who here uses containers?**

**Those numbers should match.**

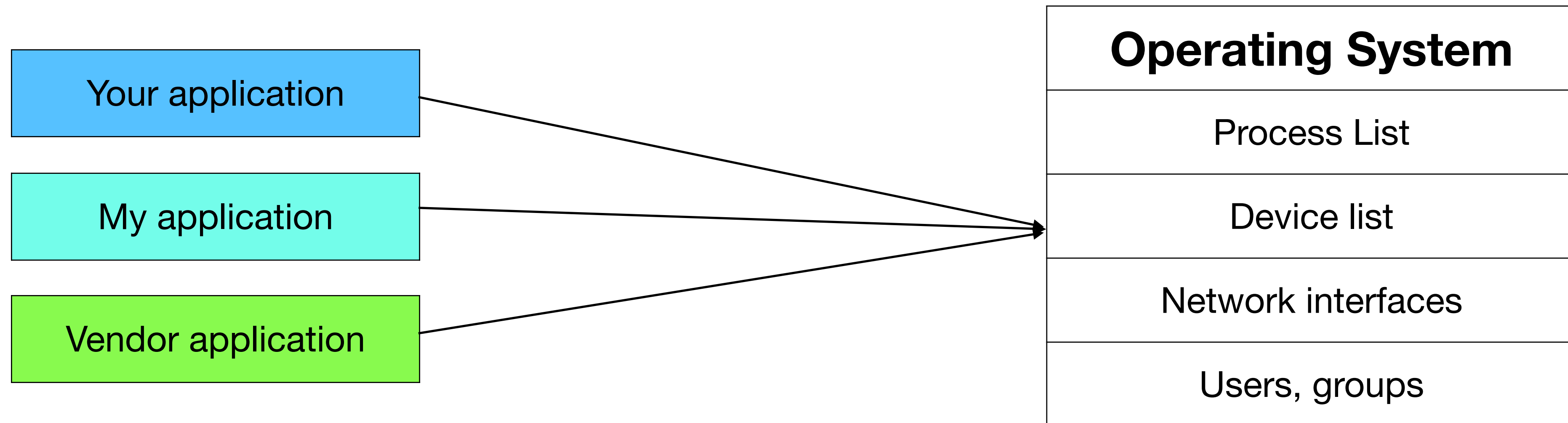
Containers are everywhere.

**What is a container?**

# What is a container?

- “A container is a standard unit of software that packages up code and all its dependencies so the application runs quickly and reliably from one computing environment to another.”
- “Containers give developers the ability to create predictable environments that are isolated from other applications.”
- “Containers are a form of ‘operating system virtualization’.”
- Containers package software along with dependencies and runtime environment so that they may be run anywhere with little to no configuration. Containers do not require emulation or virtual machines - contained processes are real processes on the OS with no performance hit.

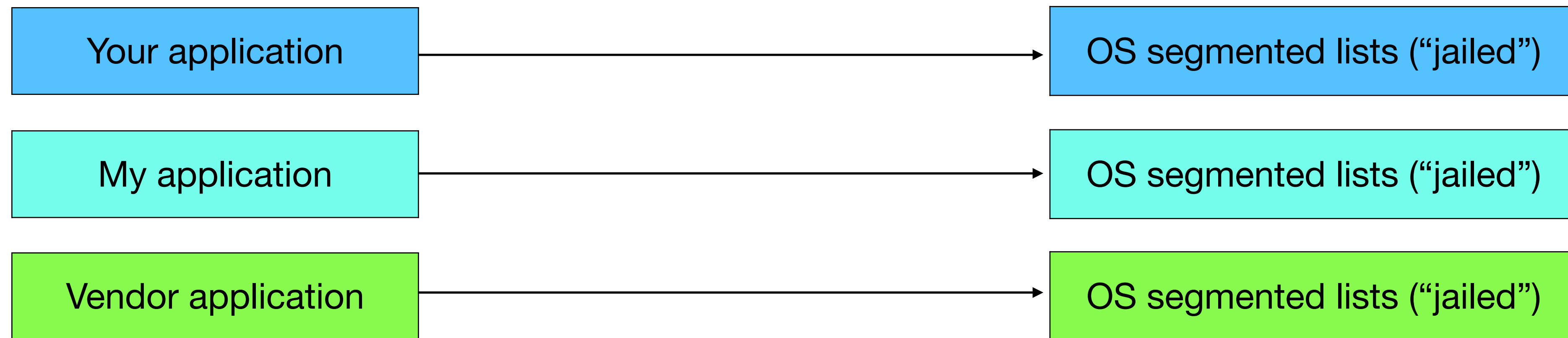
# Without containers



If any application asks for a count of applications running, the OS reports three.



# With containers



If any application asks for a count of applications running, the OS reports **one**.

Question 1 of 6

**Why use containers instead of virtual machines?**

Question 2 of 6

**What do you use containers for?**

Question 3 of 6

**What challenges have you faced using containers?**

Question 4 of 6

**How do containers change your approach to security?**

Question 5 of 6

**Do you use any container orchestration?  
What problems do they solve for you?**

Question 6 of 6

**What would your advice be for teams considering the use of containers?**