Web Programming

with Python and JavaScript

Testing and CI/CD

Testing

assert

unittest

unittest Methods

- assertEqual

- assertNotEqual

- assertTrue

- assertFalse

- assertIn

- assertNotIn

- ...

Django Testing

Browser Testing

CI/CD

CI/CD

- Continuous Integration
  - Frequent merges to main branch
  - Automated unit testing
- Continuous Delivery
  - Short release cycles

GitHub Actions

YAML

```yaml
key1: value1
key2: value2
key3:
    - item1
    - item2
    - item3
```

Docker

Source: https://docs.docker.com
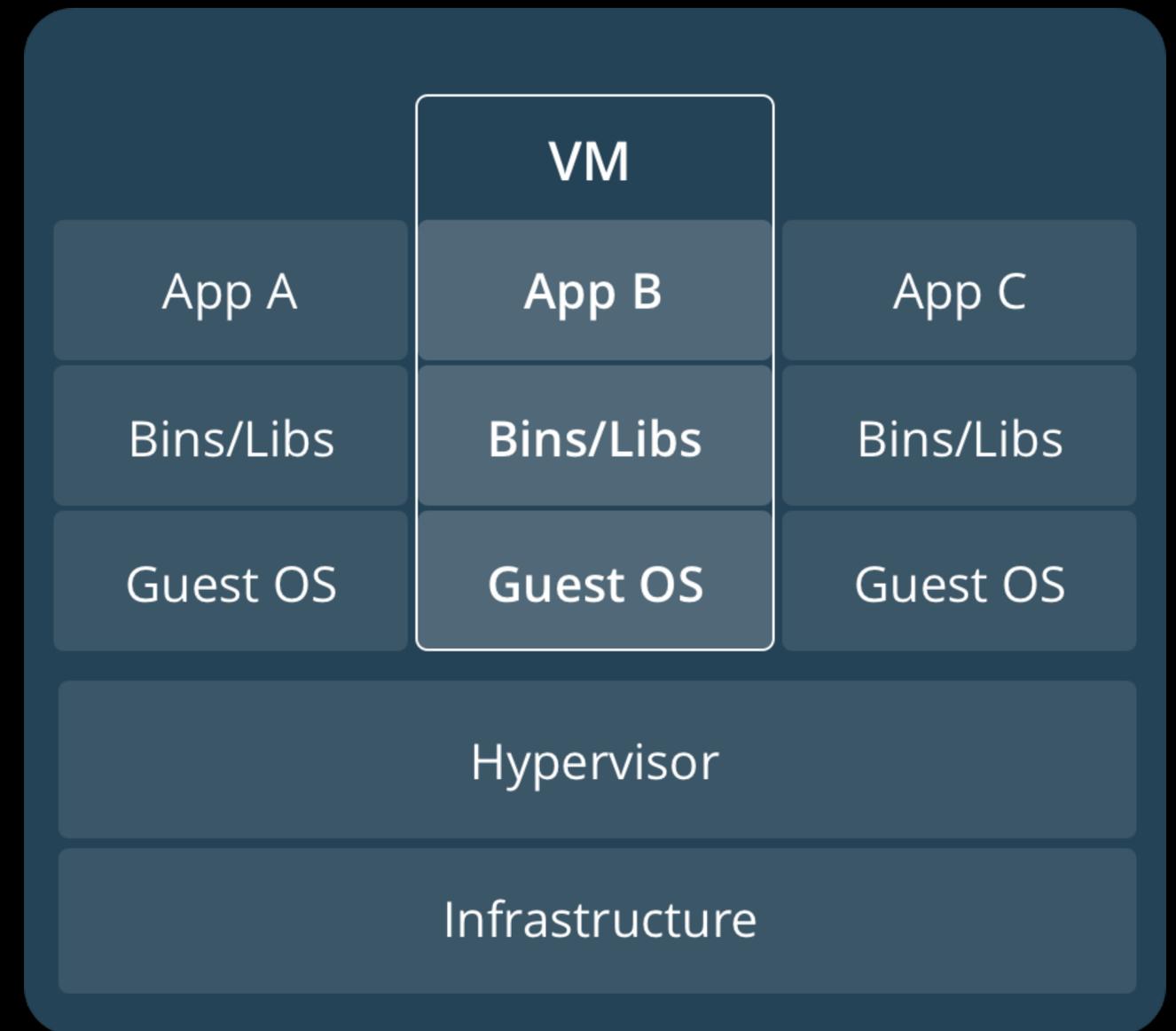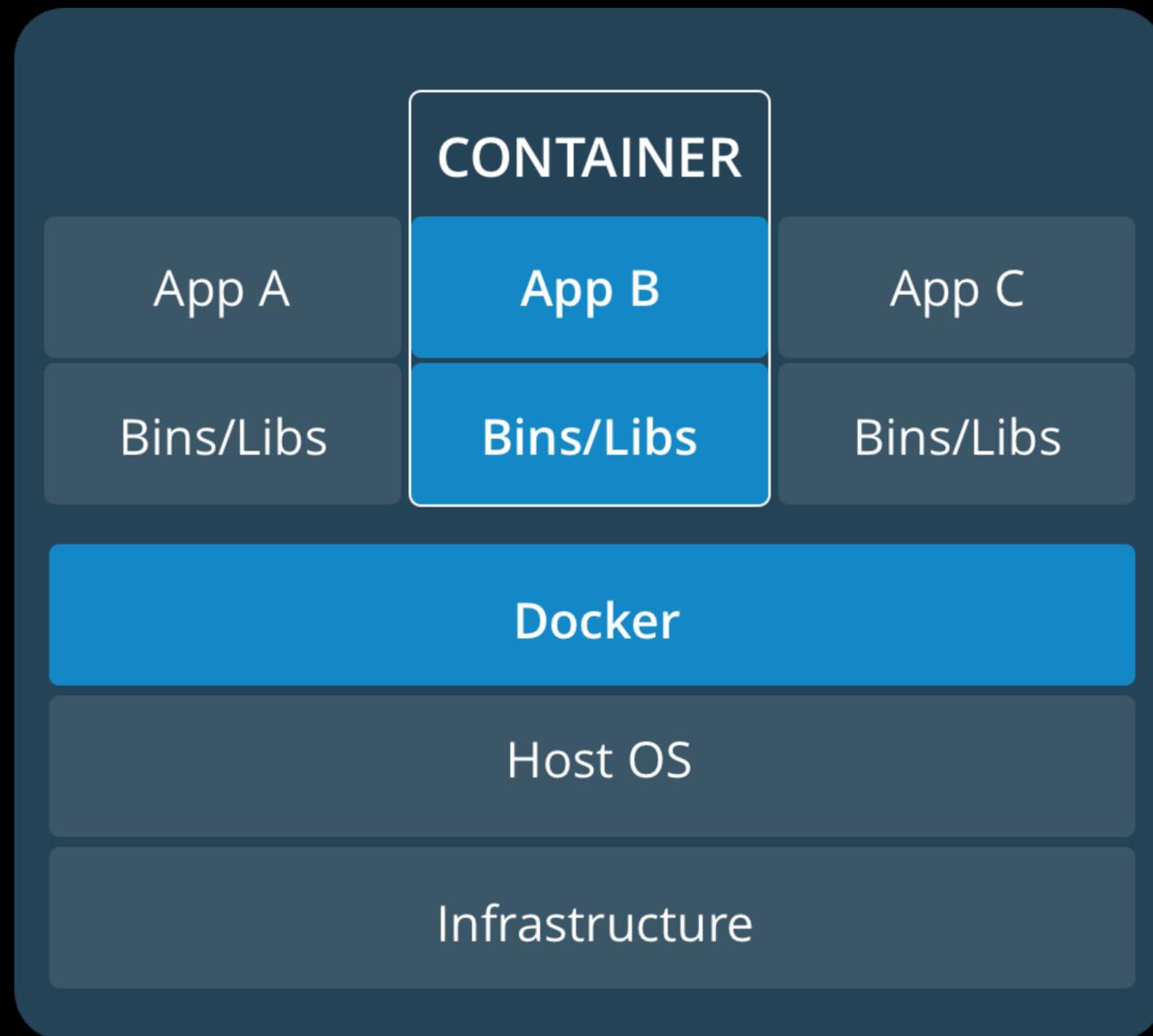
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