

Web Programming with Python and JavaScript

Testing

assert

unittest

unittest Methods

- `assertEqual`
- `assertNotEqual`
- `assertTrue`
- `assertFalse`
- `assertIn`
- `assertNotIn`
- ...

Django Testing

```
class Tests(unittest.TestCase):  
  
    def test_28(self):  
        """Check that 28 is not prime."""  
        self.assertFalse(is_prime(28))
```

Browser Testing

CI/CD

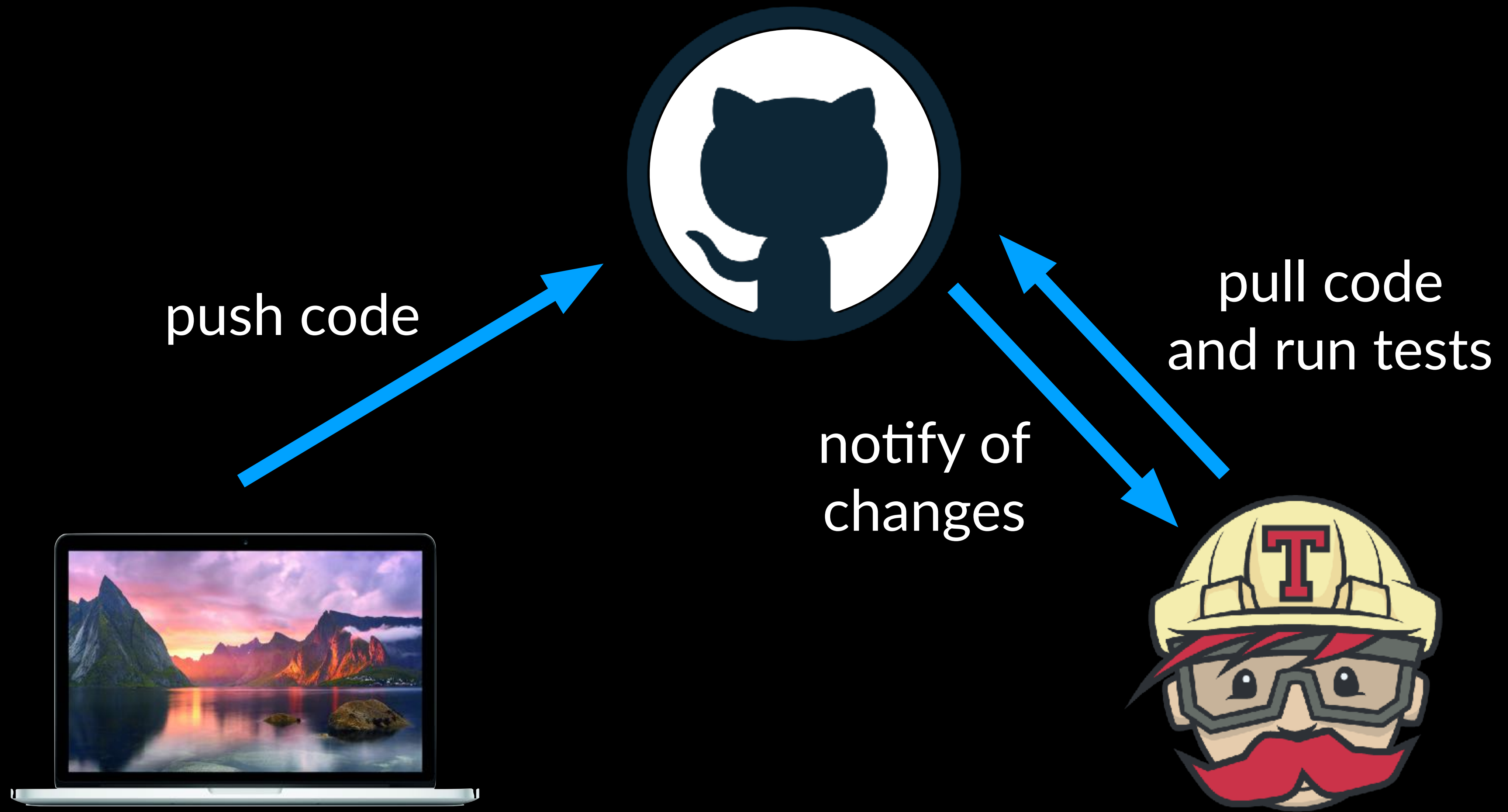
CI/CD

- Continuous Integration
 - Frequent merges to main branch
 - Automated unit testing
- Continuous Delivery
 - Automated application deployment

CI Tools

- CircleCI
- Codeship
- Jenkins
- Travis CI
- ...

Travis



YAML

key1: value1

key2: value2

key3:

- item1

- item2

- item3

language: python

python:

- 3.6

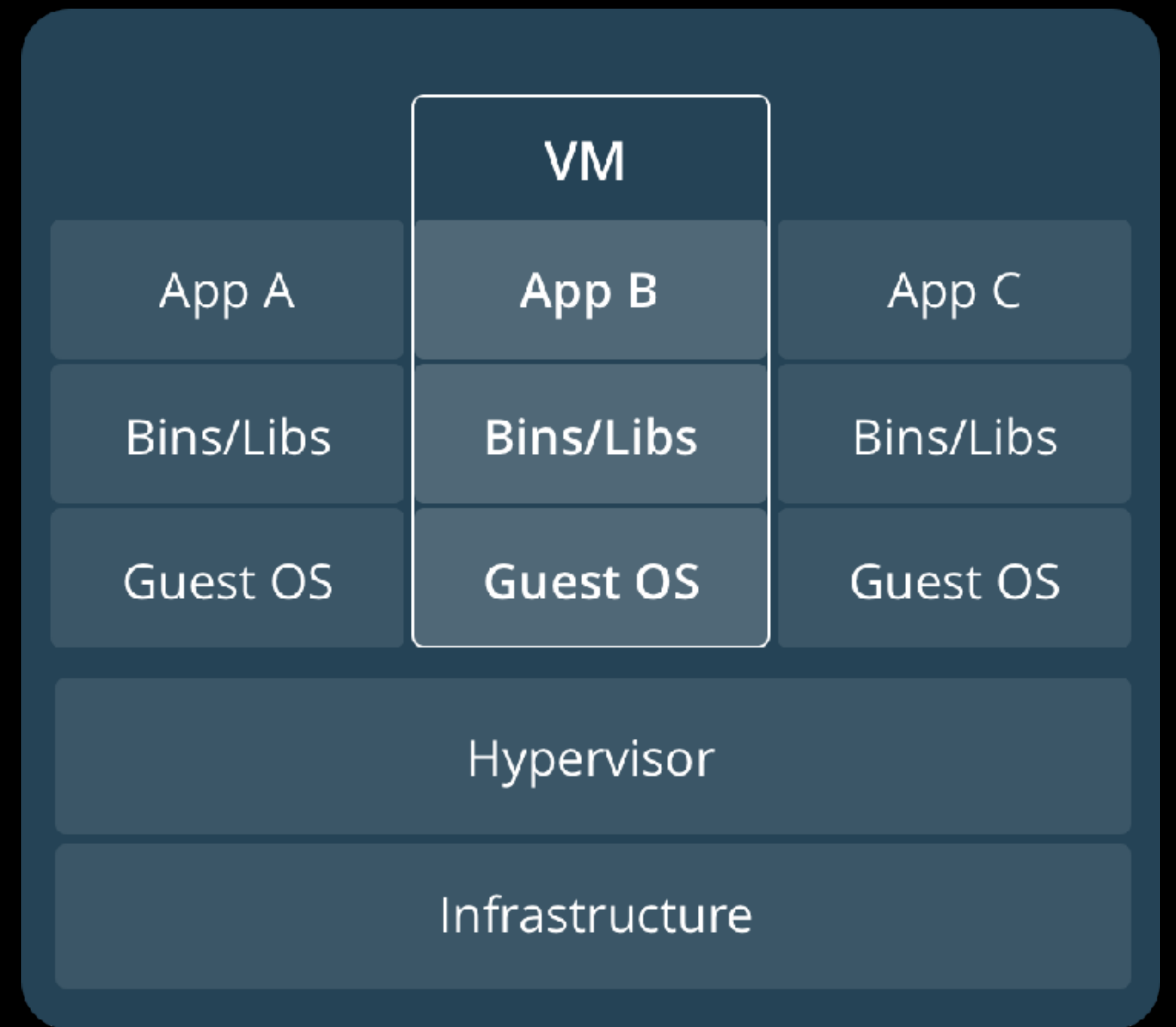
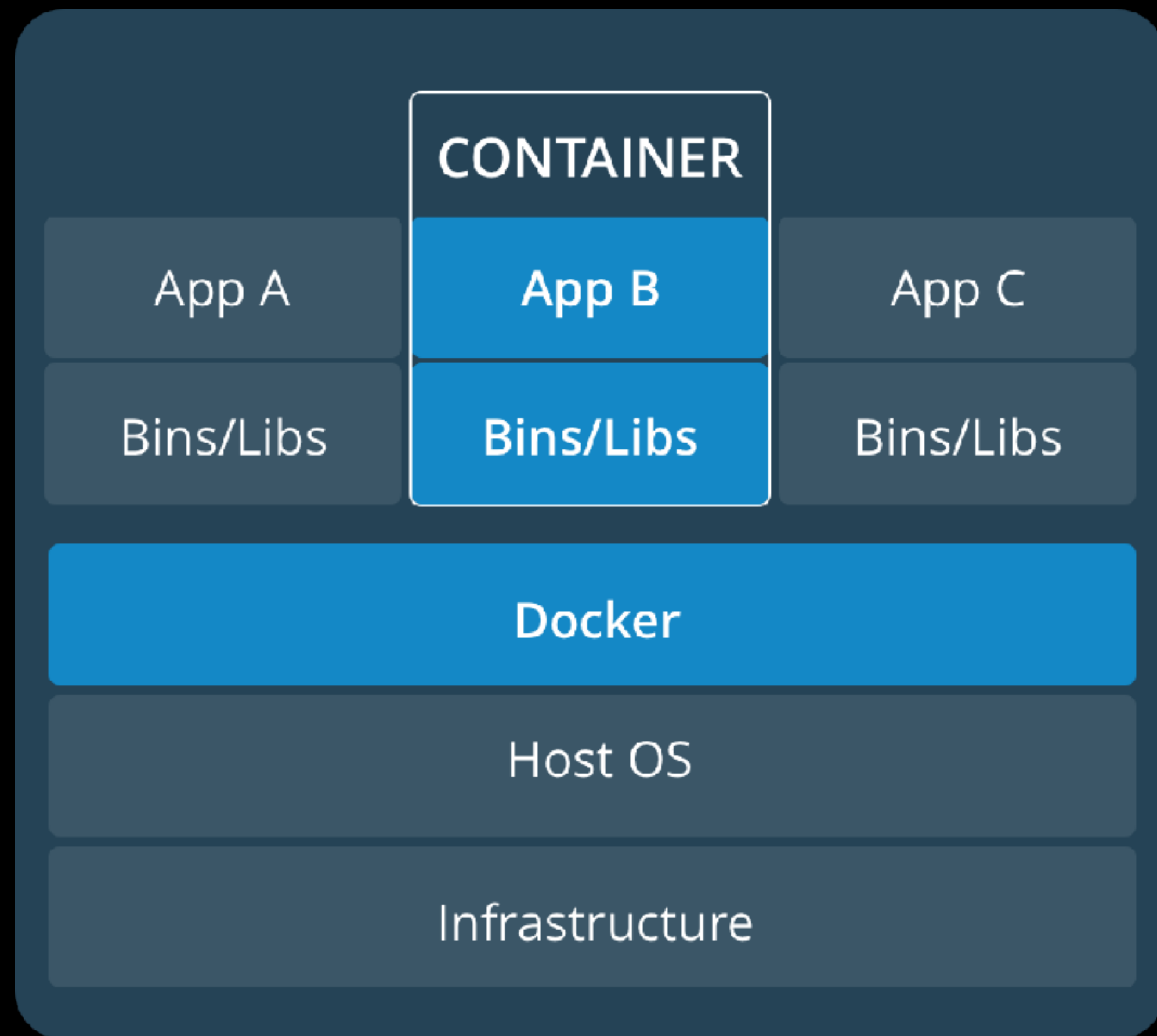
install:

- pip install -r requirements.txt

script:

- python manage.py test

Docker



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