

# **Exam Rubric**

#### **Basics**

Push, routes, buildpack

Bind

Env

# **Troubleshooting & Debugging**

Route collision

Memory allocations

Startup failures

**Timeouts** 

# **Security**

OAUTH2 basics

Single Sign On

**Outbound SSL** 

#### **Services**

Open service broker API

Custom brokers

User provided service instances

Route services

Log drains

# **App Management**

Scaling

Blue/Green

Manifests

Users and roles

Orgs, spaces and quotas

Custom domains

App Metrics

App to app communication

Application security groups

# **Application Design**

Stateless apps

Non-breaking schema changes

API versioning

# **Containers & Buildpacks**

Docker push

Using specific runtime versions

Custom buildpacks