# Buildpack

Agenda

1. Review Staging
2. Buildpack API

Review Pushing An App

Droplet

Buildpack

Application

App Server   Libraries

Runtime
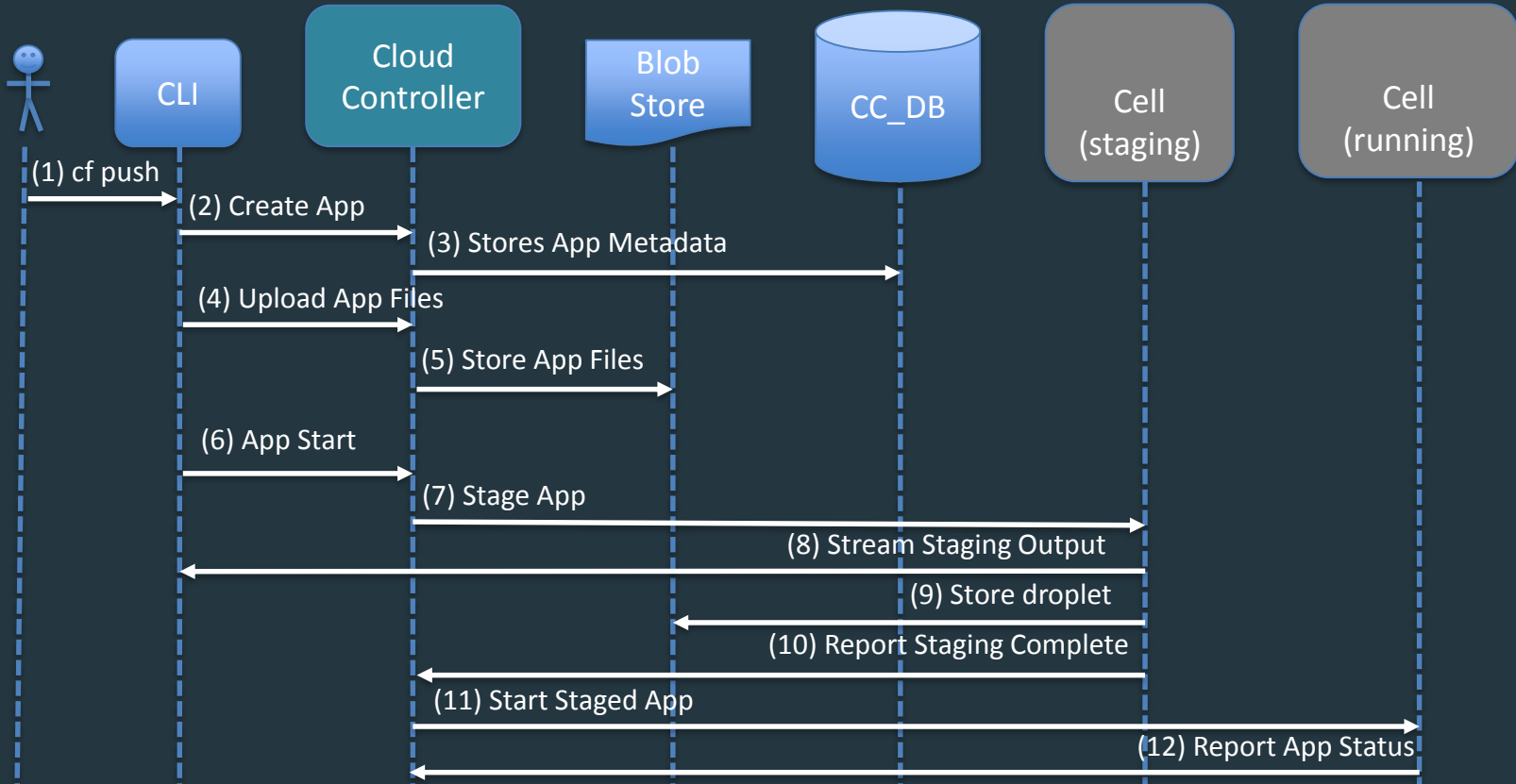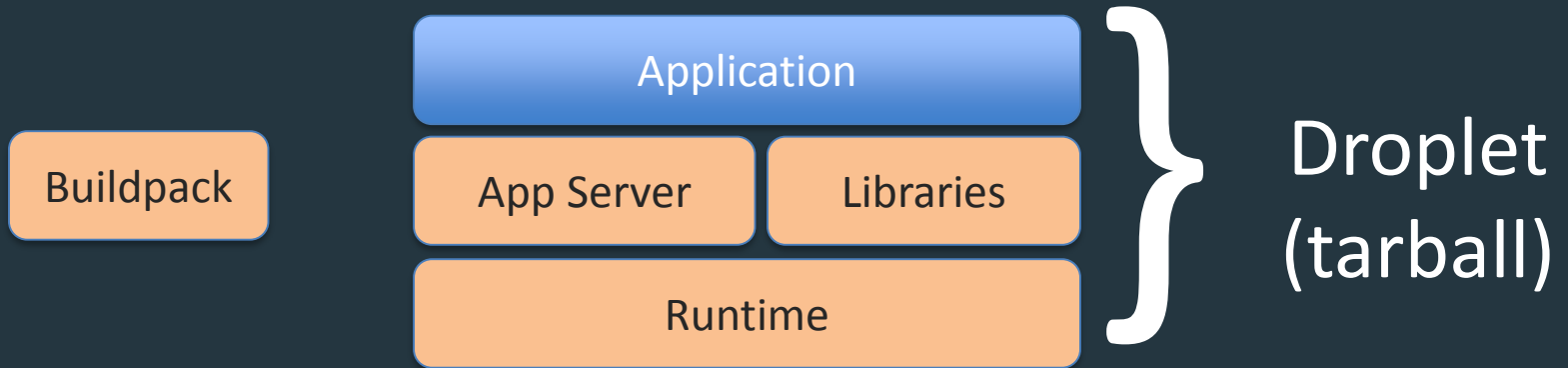
} Droplet
(tarball)

Agenda

1. Review Staging
2. Buildpack API

bin/detect

Determines whether the buildpack can stage the application

bin/compile

Builds the droplet

bin/release

Provides information on how to run the application

bin/detect

Detection criteria:

Ruby	`Gemfile exists`
Node	`package.json exists`
Python	`setup.py exists`

bin/detect

$ cf push

Cell iterates over all admin and system buildpacks calling:

bin/detect scripts

until one returns exit code 0

$ cf push -b <url|name>

bin/detect

is not called.

bin/compile

Provide any of the following if needed:

Runtime	Java VM, Ruby Interpreter, JavaScript Interpreter
App Server	Tomcat, Nginx, WEBrick
Support Libraries	Ruby gems, NPM packages, APM agents

Output a YAML document in the following form:

```
config_vars:
  name: value
default_process_types:
  web: <start command>
```

Only the web: value is used to get the start command for the app

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