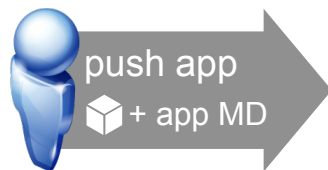


# Pivotal Cloud Foundry: Buildpacks

# Overview: Deploying *App* to Cloud Foundry *Runtime*

Developer

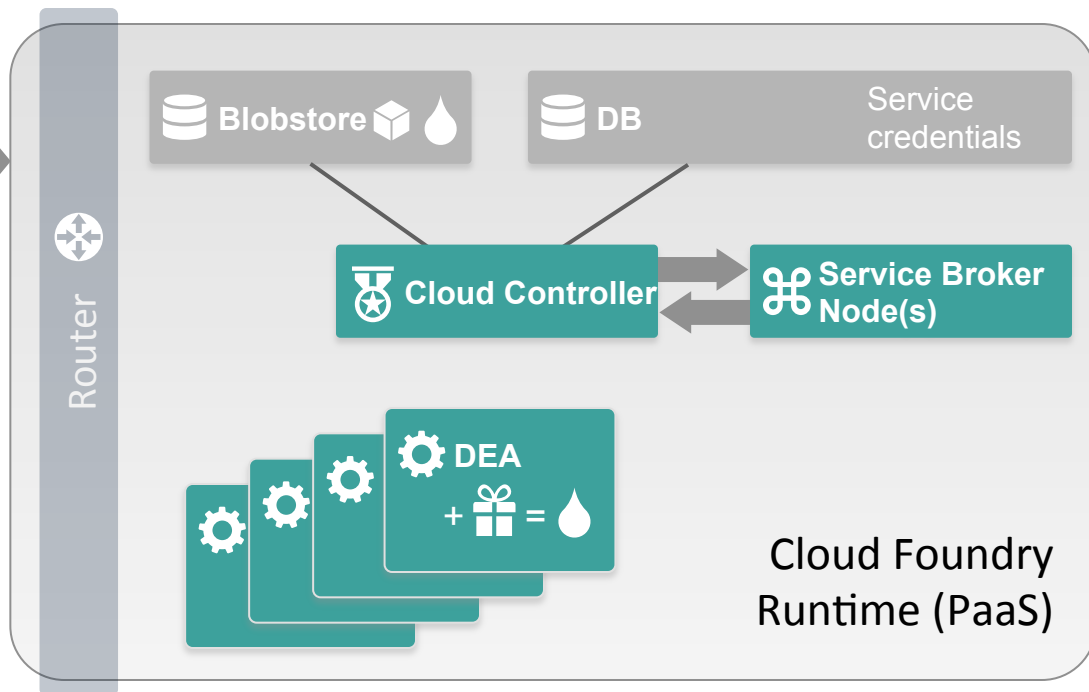
① Upload app bits and metadata



② Create and bind services

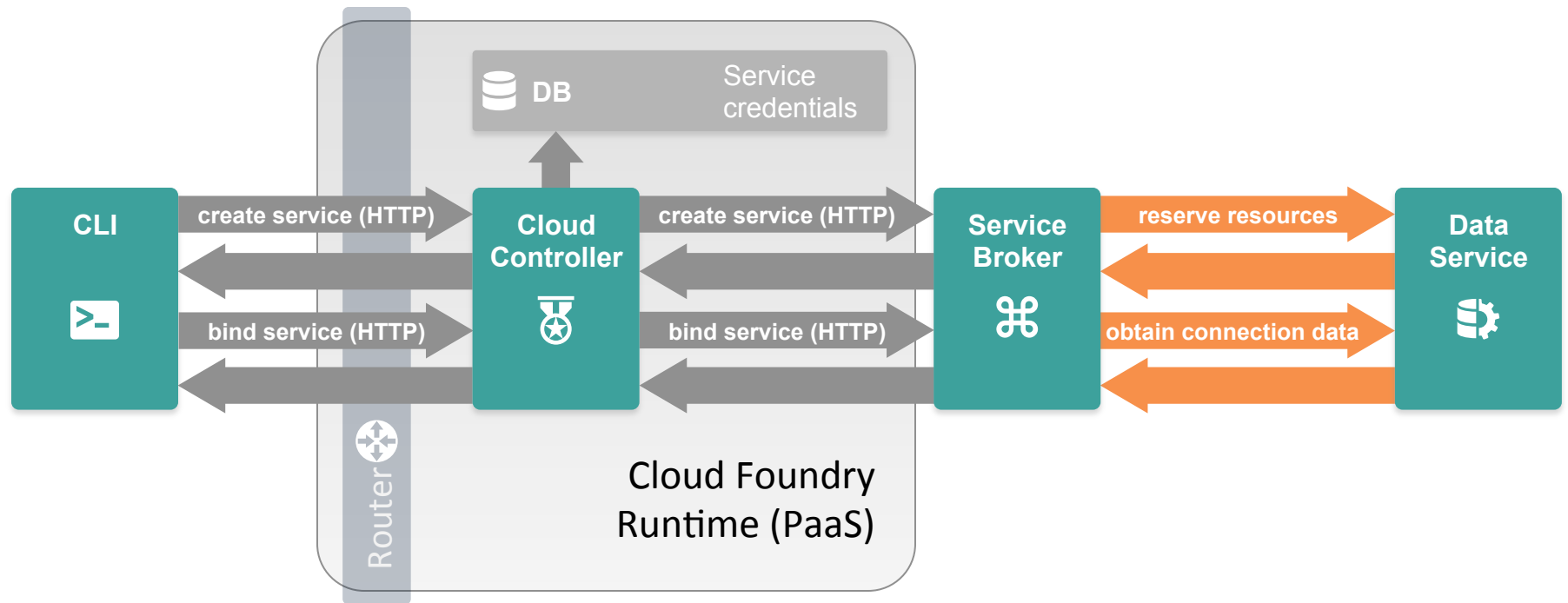
③ Stage application

④ Deploy application



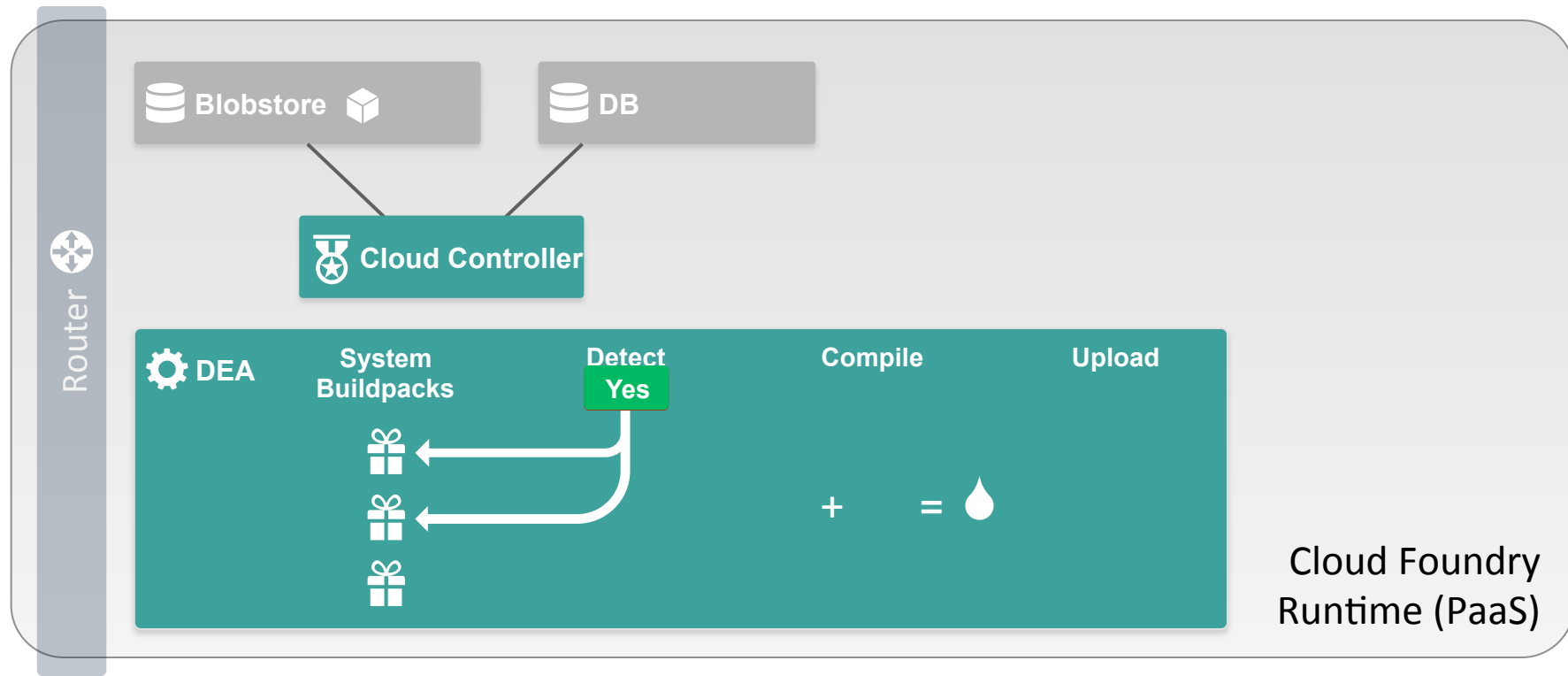
# Creating and Binding a *Service*

Developer



# Stage an *Application*

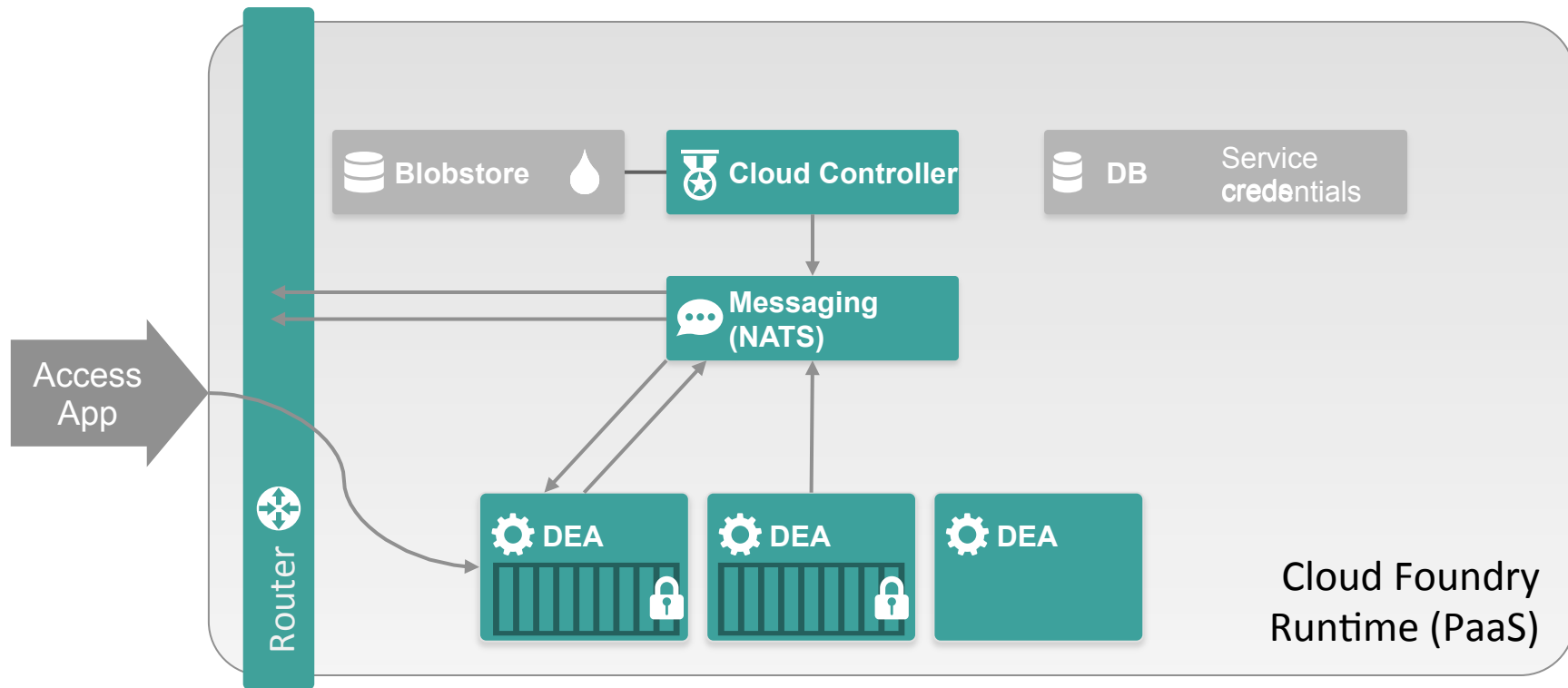
Developer



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# Deploying an *Application*

Developer



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# System Buildpacks

- Java, Node.js, Ruby, Binary, Go, PHP, Python, Staticfile
- cf buildpacks
- cf push <app-name> -p <artifact> -b <https://github.com/<buildpackurl>>

# Java Buildpack

- <https://github.com/cloudfoundry/java-buildpack>
- Java, Grails, Groovy, Servlet, Play Framework, Spring Boot CLI
- OpenJDK default
- Tomcat default
- Standard Frameworks – AppDynamics, Introscope, New Relic, PostgreSQL, Spring Auto Reconfiguration

# Customizing Buildpacks

- Configuration
  - Override .YML values with environment variables
  - JDK Versions
  - Tomcat Versions
- Extension
  - Fork the Github code
  - Jetty, Jboss, Liberty, WebLogic buildpacks
- Specify buildpack when app is pushed



# Pivotal

A NEW PLATFORM FOR A NEW ERA