

AWS Key Services



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Elastic Cloud Compute (EC2)

Remote VM

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Elastic Beanstalk

Deploy web applications

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**Relational Database Service
(RDS)**

Database in the cloud

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Route 53

Route custom domain names

Elastic Cloud Compute (EC2)



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- Remote virtual machine based on your specs



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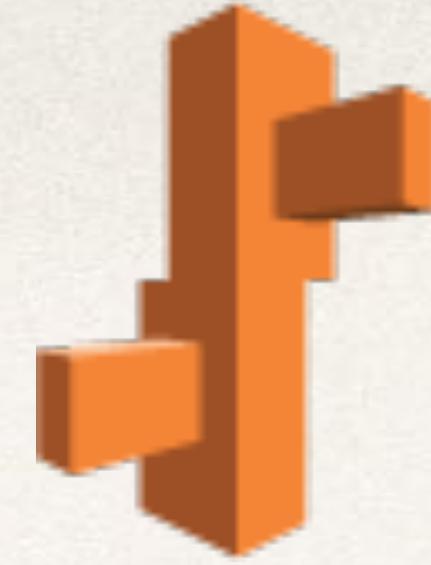
Elastic Cloud Compute (EC2)



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Can also use
custom
Amazon “Images”
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Elastic Beanstalk



Elastic Beanstalk



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JAVA

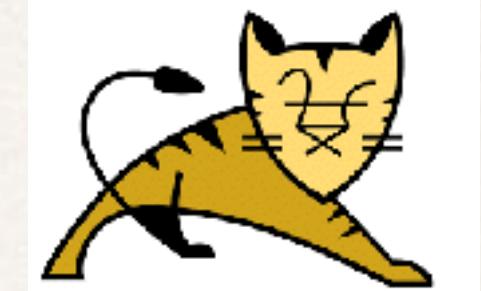


Elastic Beanstalk

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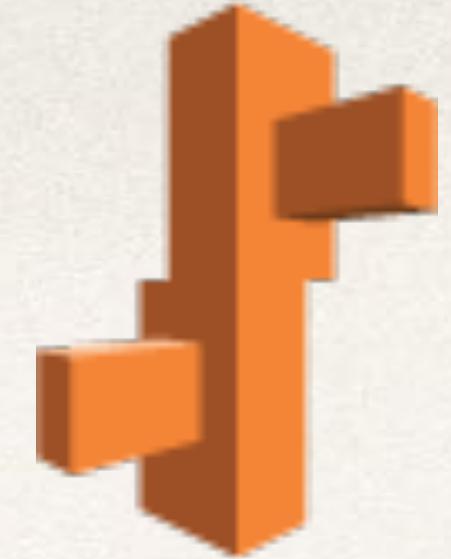


JAVA



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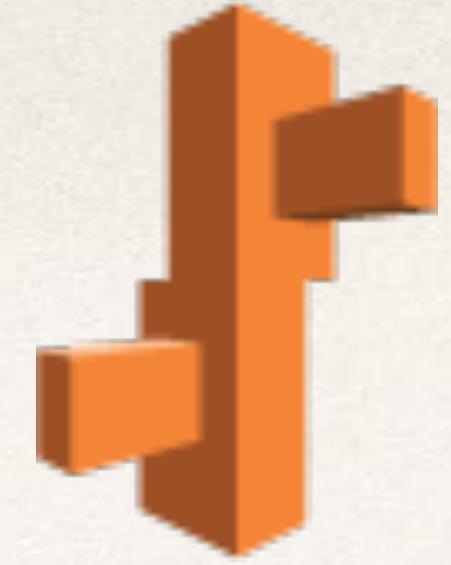


JAVA

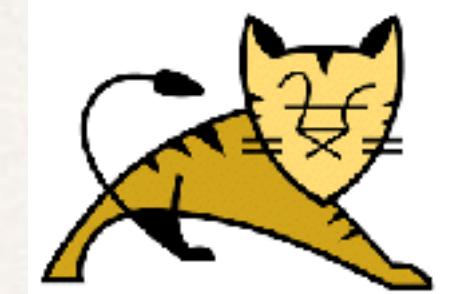


Elastic Beanstalk

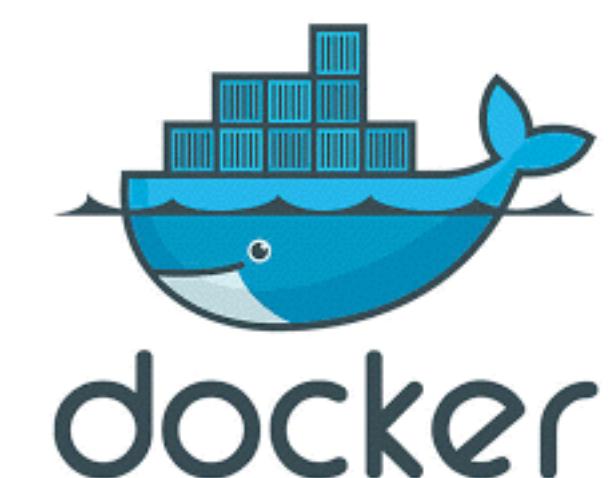
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GlassFish



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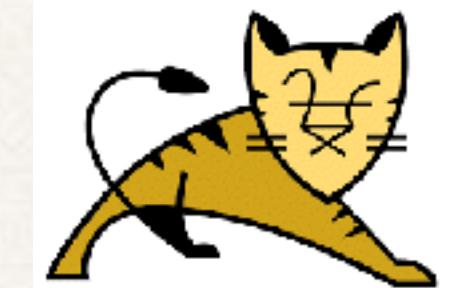
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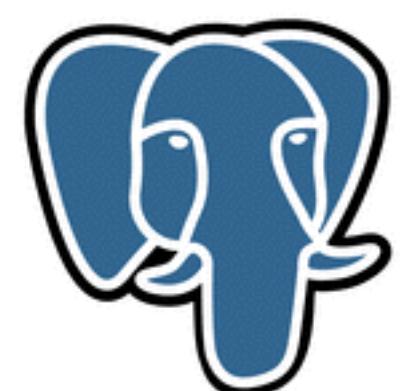
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MySQL

Oracle



PostgreSQL



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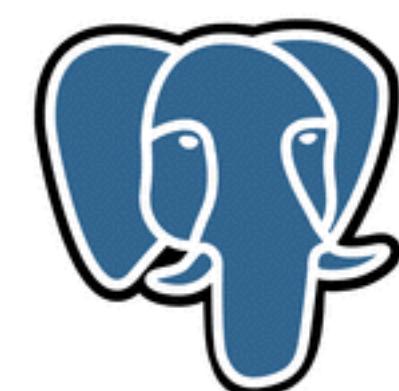
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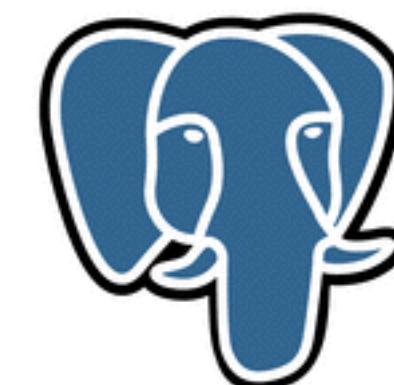
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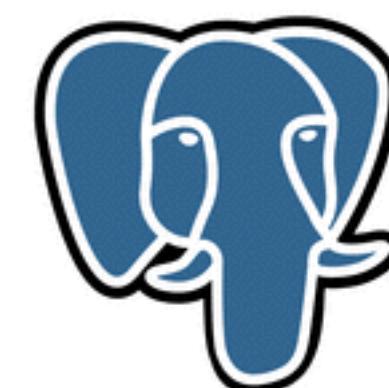
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 - MongoDB, etc ...

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Route 53



Route 53



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- This is the AWS Domain Name System (DNS)
- We'll use it later in the course for our custom domain name :-)

Comparing EC2 to Elastic Beanstalk

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 - JDK, Tomcat, MySQL etc ...

Elastic Cloud Compute (EC2)

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Host Server

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Operating System

Host Server

Elastic Cloud Compute (EC2)

EC2 provides
this

Operating System

Host Server

Elastic Cloud Compute (EC2)

Your Code (WAR)

Application Server



Language Runtime

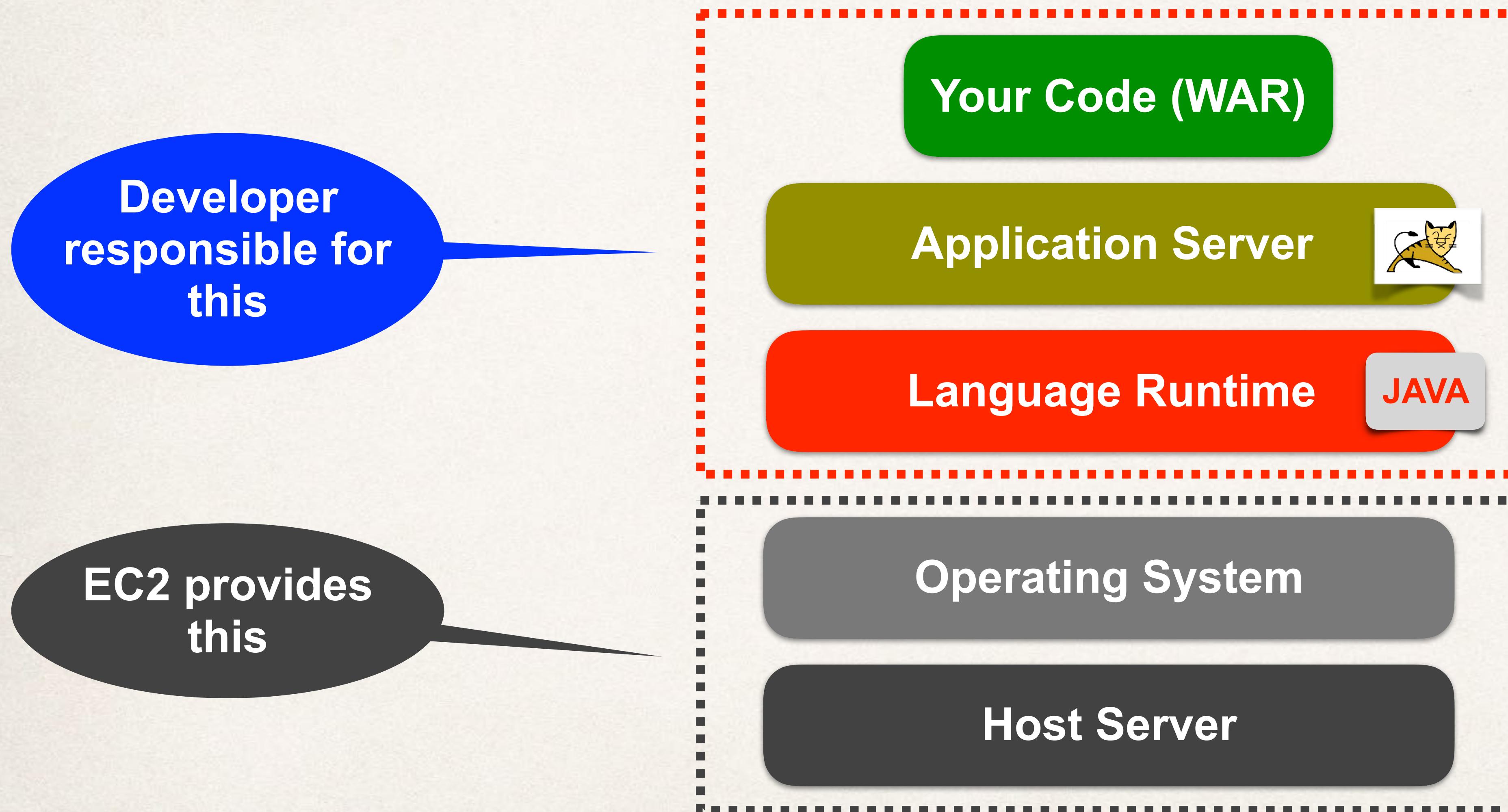
JAVA

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Comparing EC2 to Elastic Beanstalk

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Comparing EC2 to Elastic Beanstalk

- **Elastic Beanstalk** is a pre-packaged platform
 - Ideal for deployments on a web stack
 - Simply select the services you need
- Known as Platform-as-a-Service (PaaS)
- All you have to deploy is **Your Code**

Elastic Beanstalk

Elastic Beanstalk

Application Server



Language Runtime

JAVA

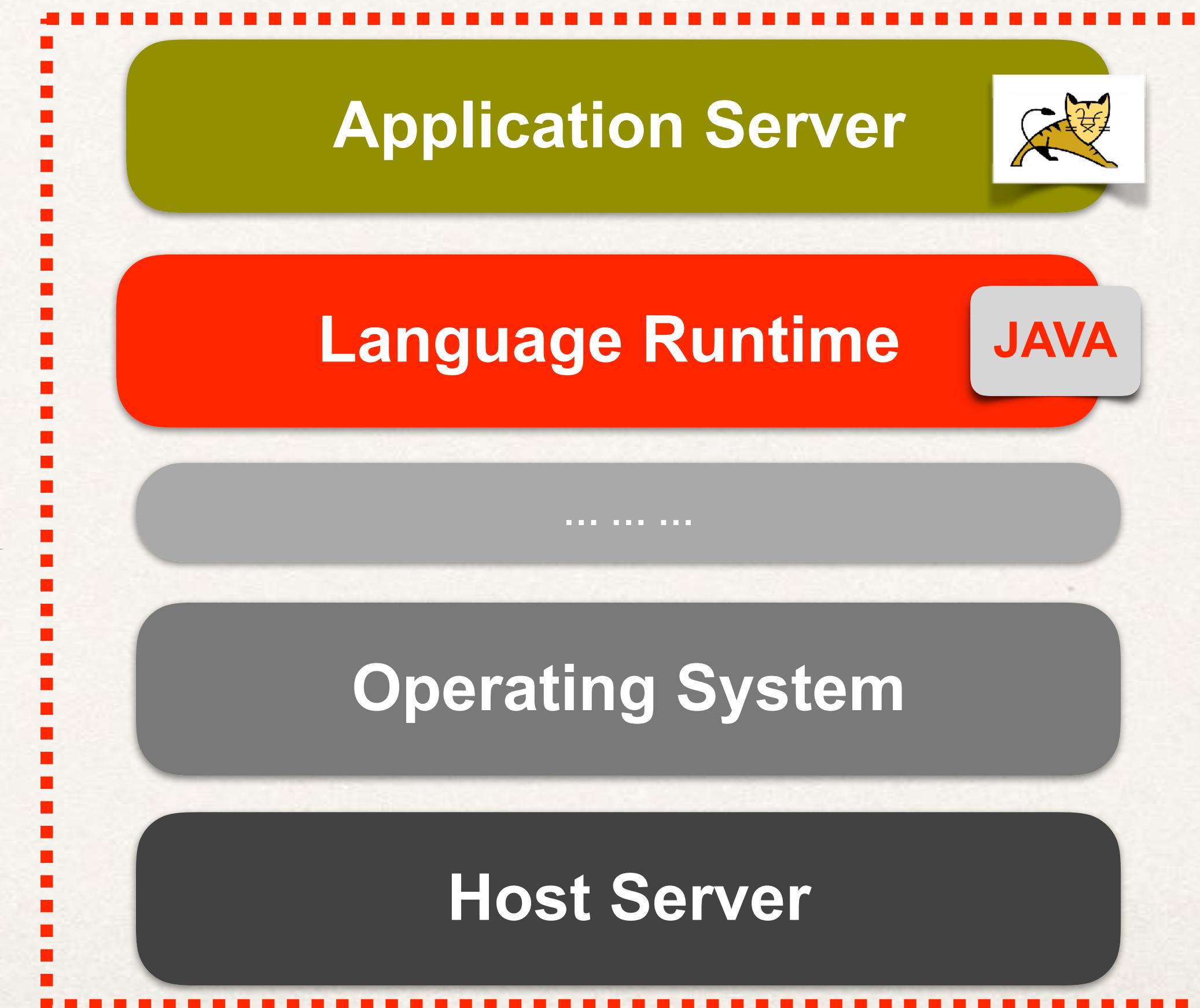
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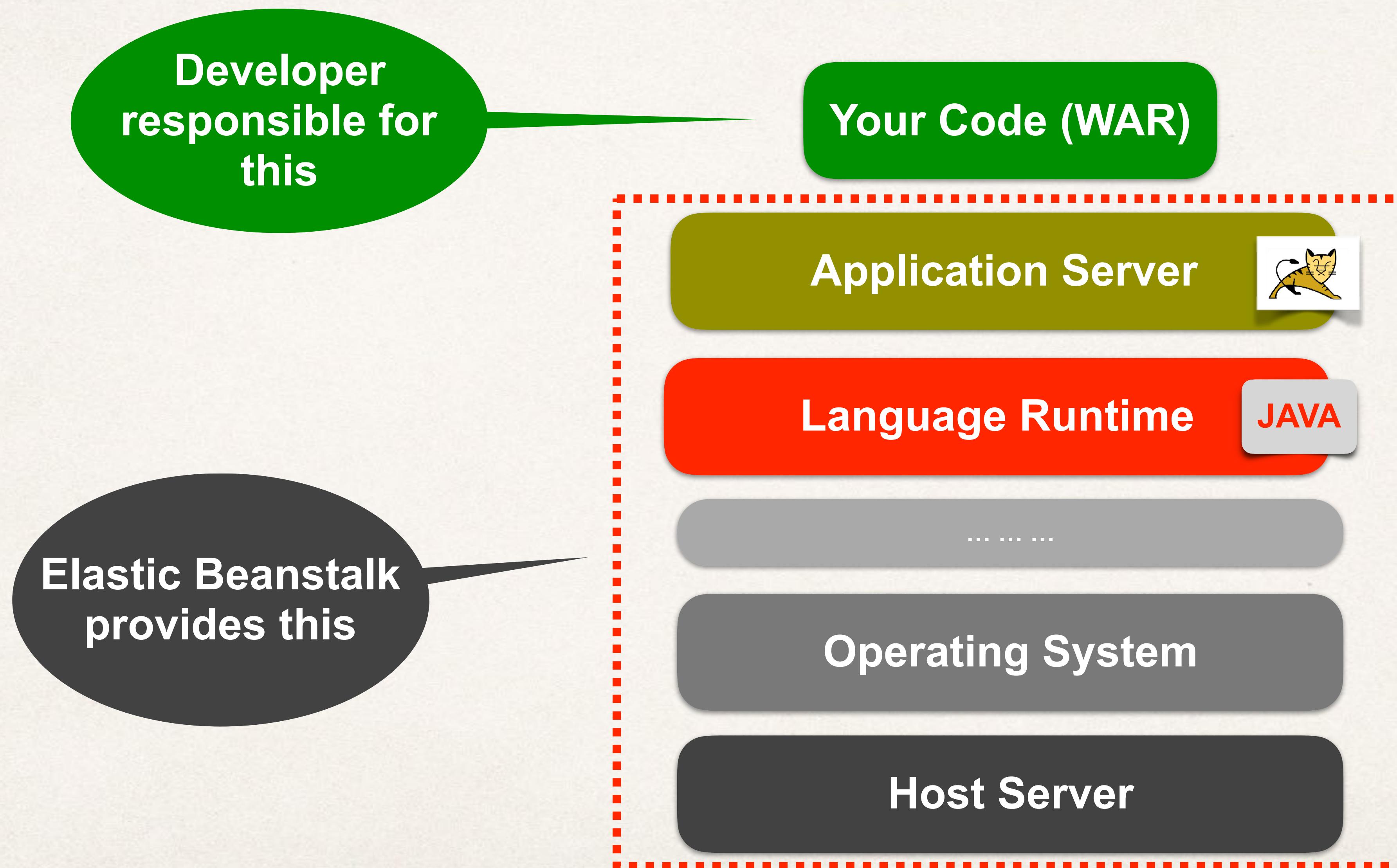
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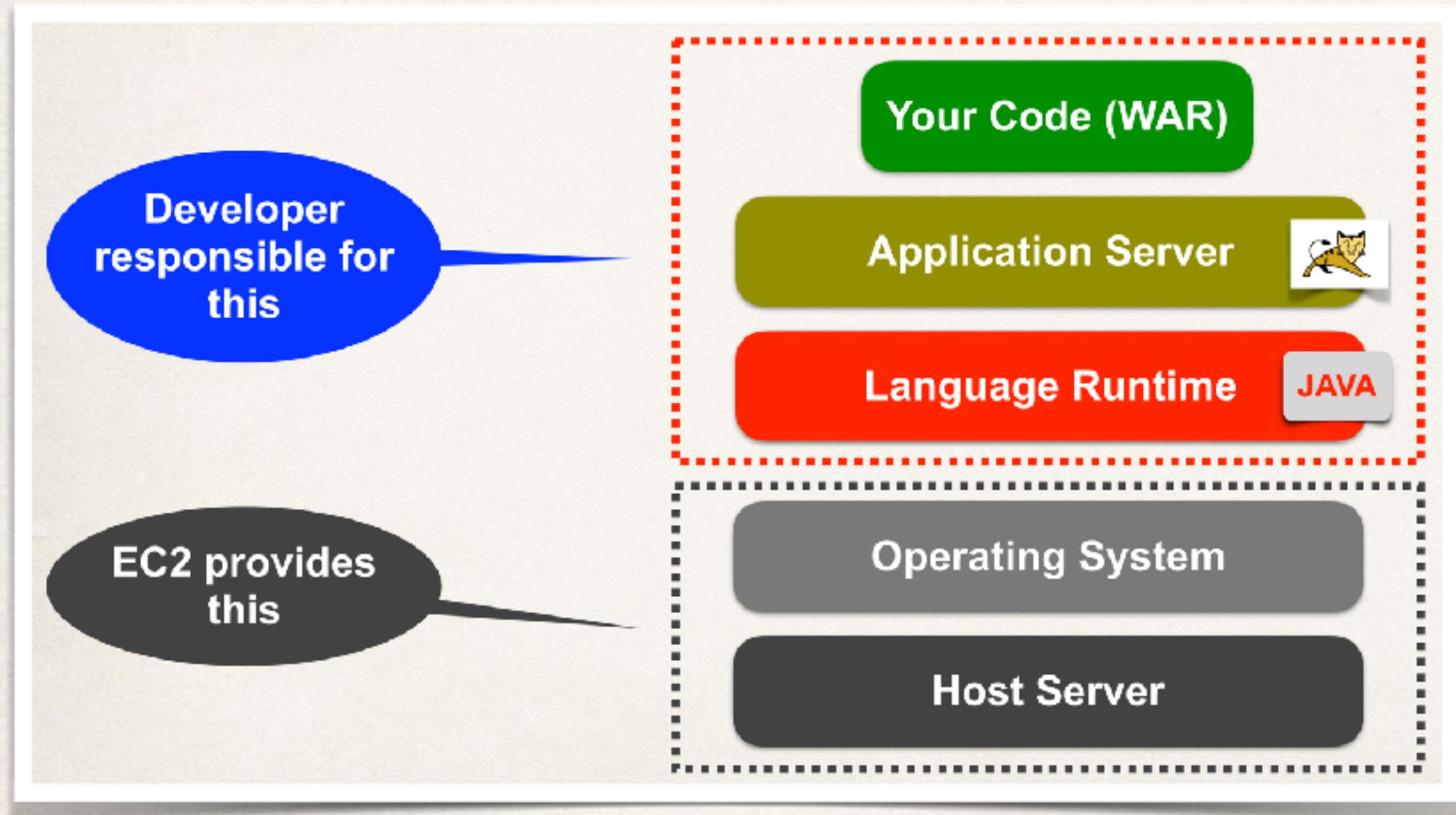
Elastic Beanstalk



EC2 vs Elastic Beanstalk

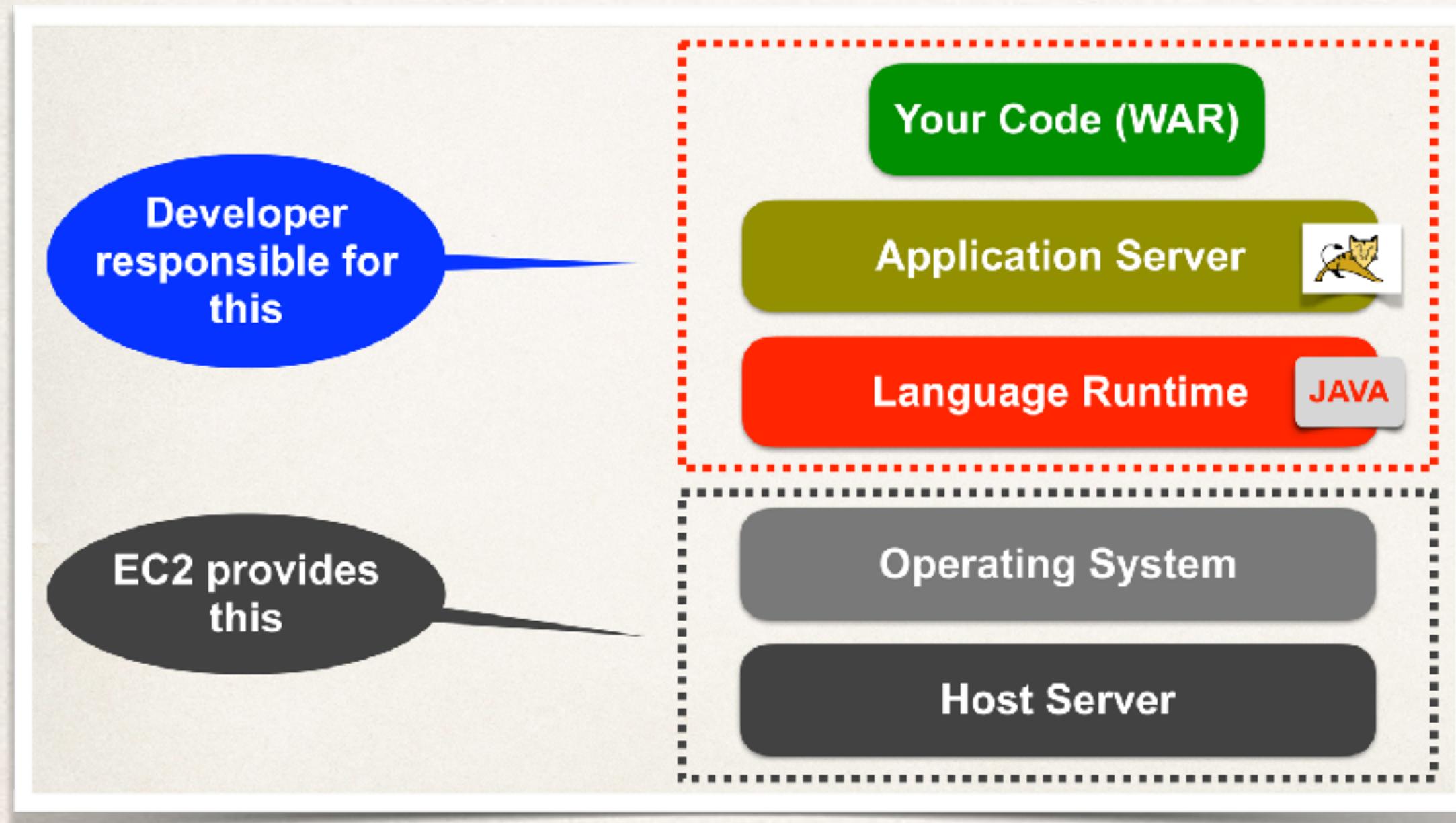
EC2 vs Elastic Beanstalk

EC2

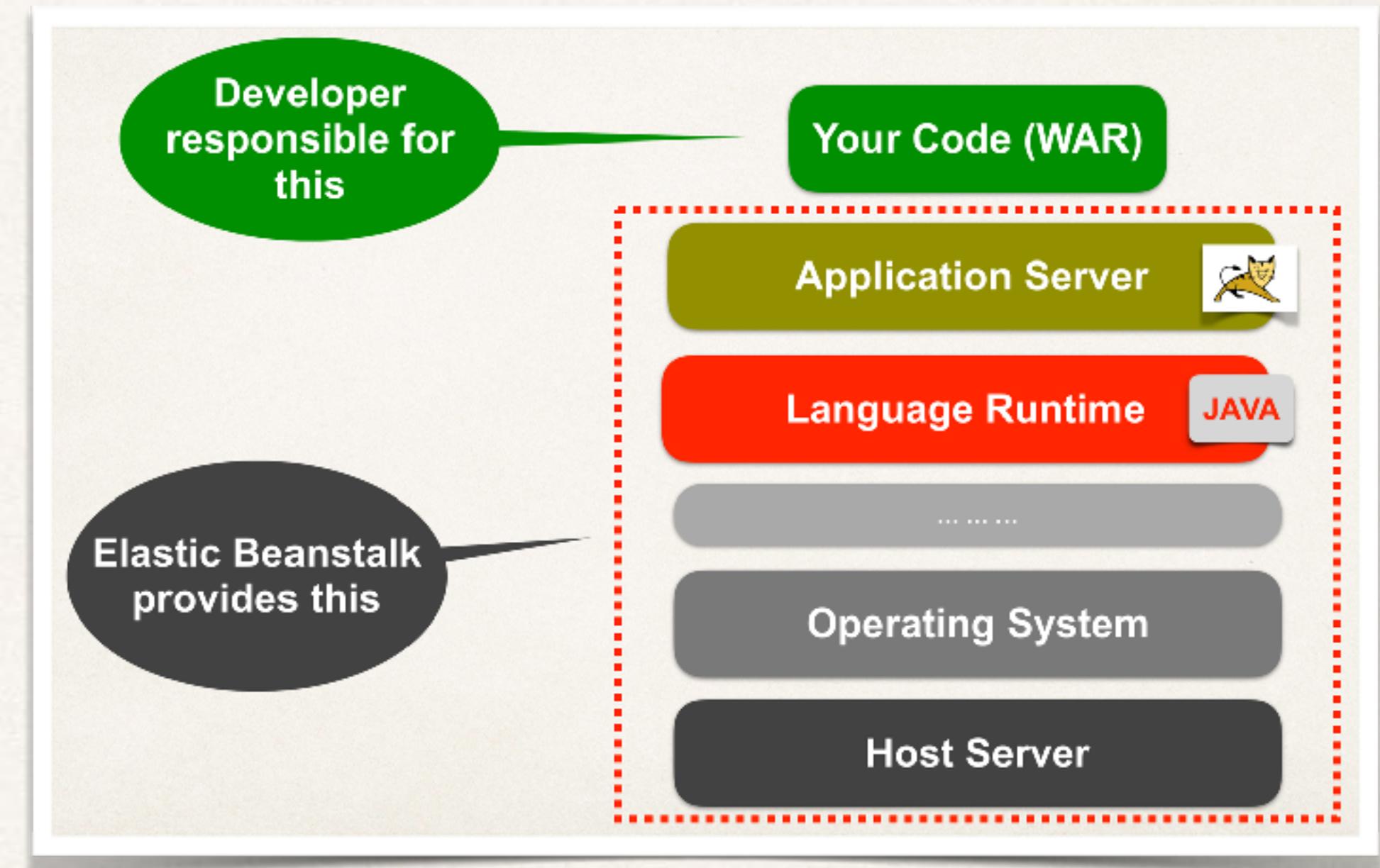


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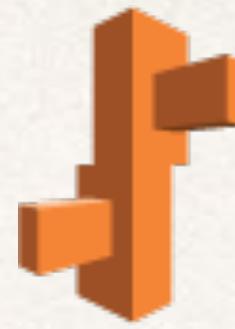
Elastic Beanstalk



Use Case

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 - You want to deploy using a different version of Java not supported by Elastic Beanstalk



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Can also create custom
Elastic Beanstalk
“templates”

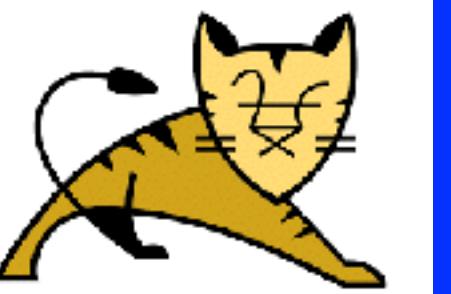
Our App Architecture

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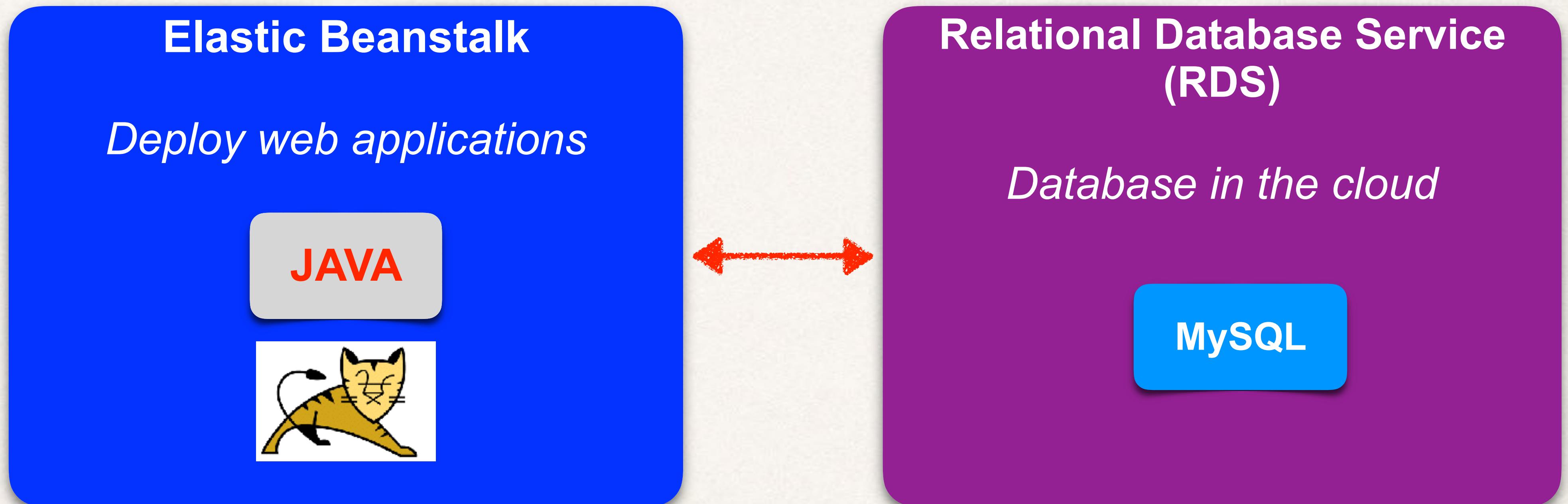
Elastic Beanstalk

Deploy web applications

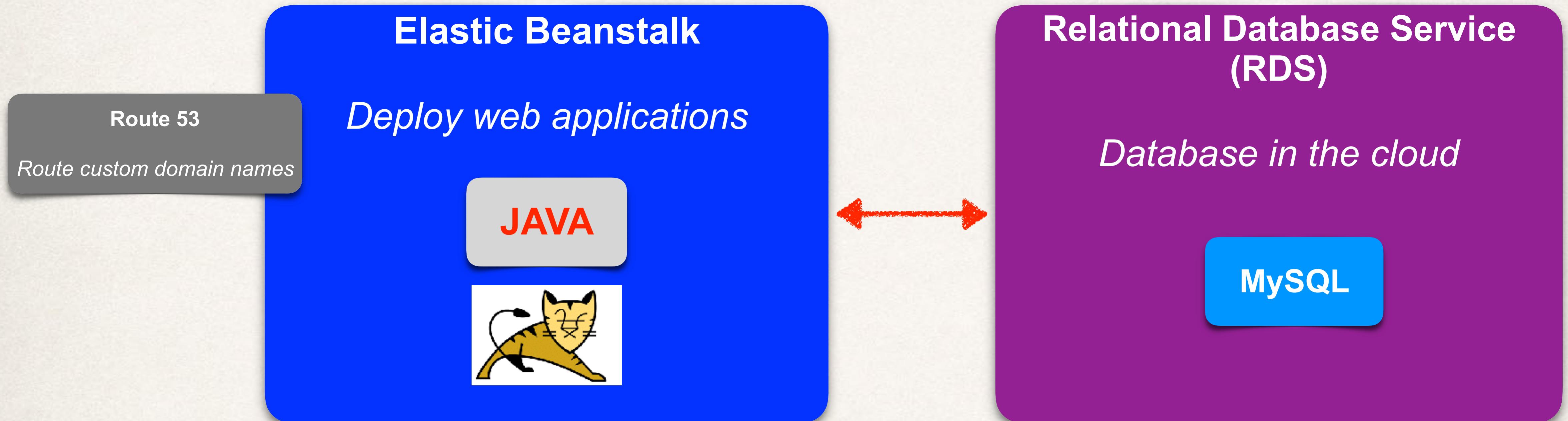
JAVA



Our App Architecture



Our App Architecture







www.mycoolspringapp.com



<< your domain name >>



More Cool Features of Elastic Beanstalk

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- Capacity provisioning

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AWS Documentation

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Service	Docs
Elastic Cloud Compute (EC2)	https://aws.amazon.com/documentation/ec2/
Elastic Beanstalk	https://aws.amazon.com/documentation/elastic-beanstalk/
Relational Database Service (RDS)	https://aws.amazon.com/documentation/rds/
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