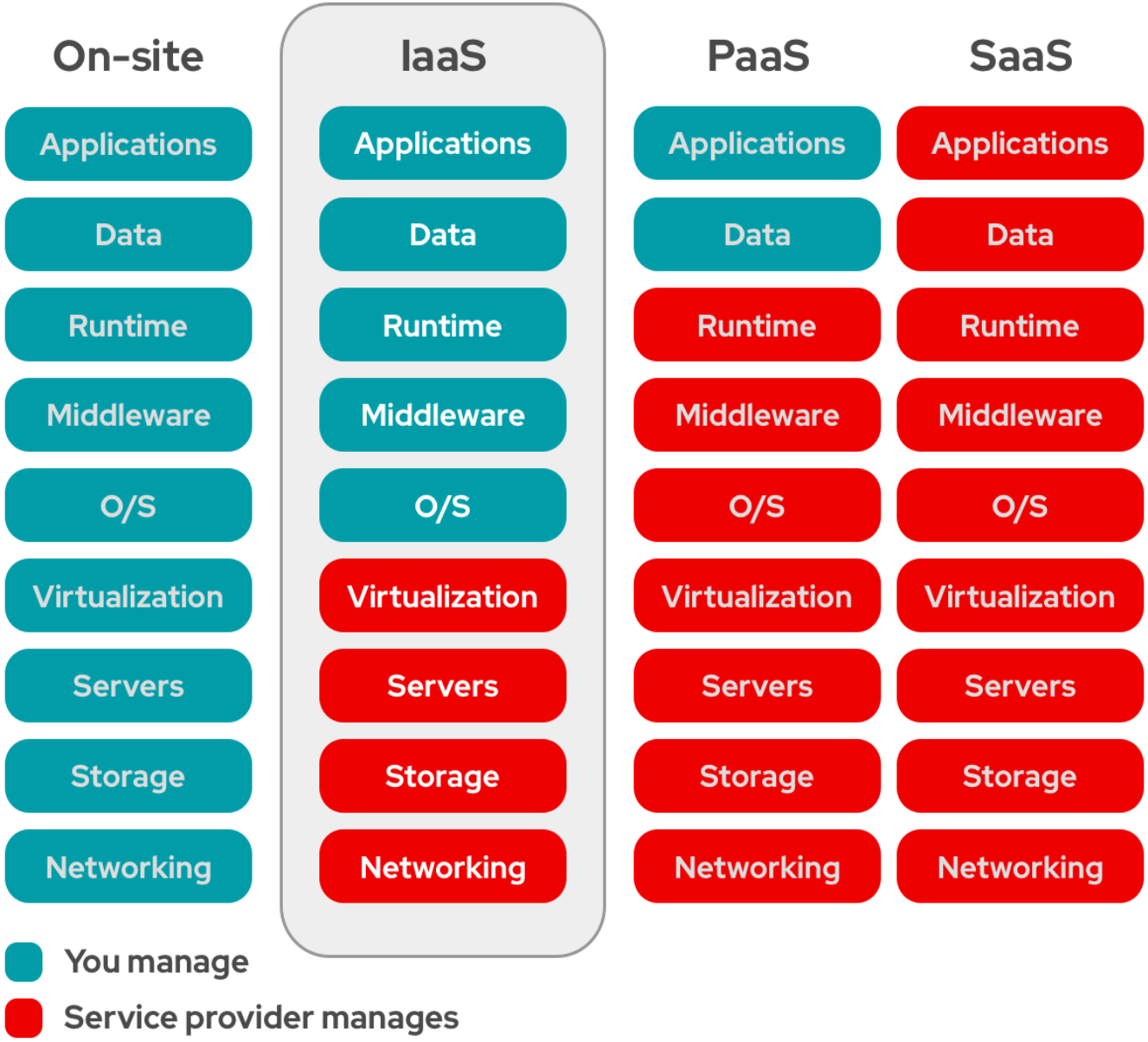
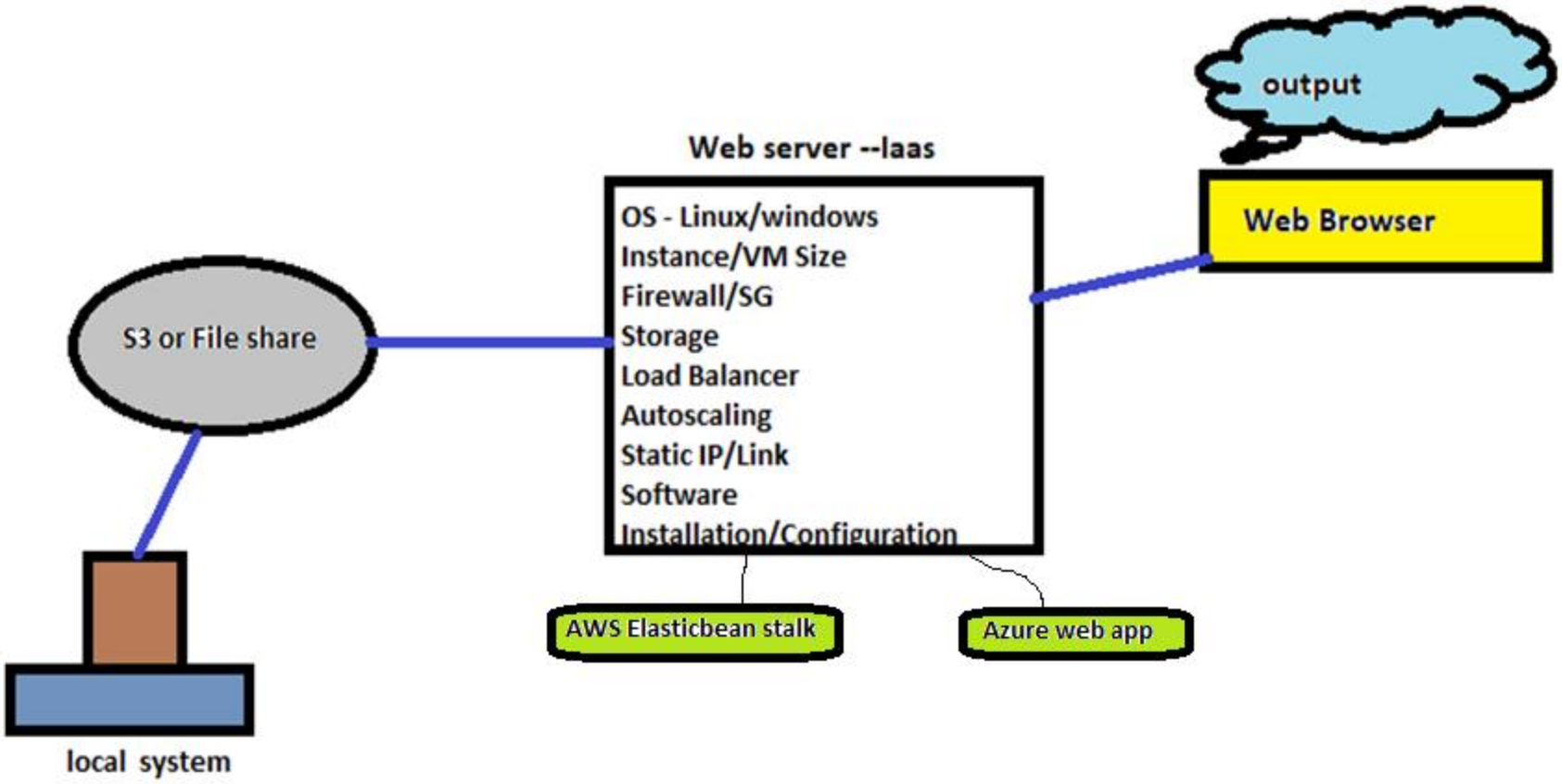

aws


Elastic
Beanstalk


On-site
Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking
IaaS
Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking
PaaS
Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking
SaaS
Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking
You manage
Service provider manages


output
Web server --Iaas
OS - Linux/windows
Instance/VM Size
Firewall/SG
Storage
Load Balancer
Autoscaling
Static IP/Link
Software
Installation/Configuration
Web Browser
S3 or File share
AWS Elasticbean stalk
Azure web app
local system

Topics to be covered—Elasticbean stalk

1) Paas Introduction

2) Elasticbean stalk introduction

3) Deploying PHP Application

4) Accessing

5) Monitoring

6) To check the instance and s3 bucket

7) Terminating Application

Elastic Beanstalk

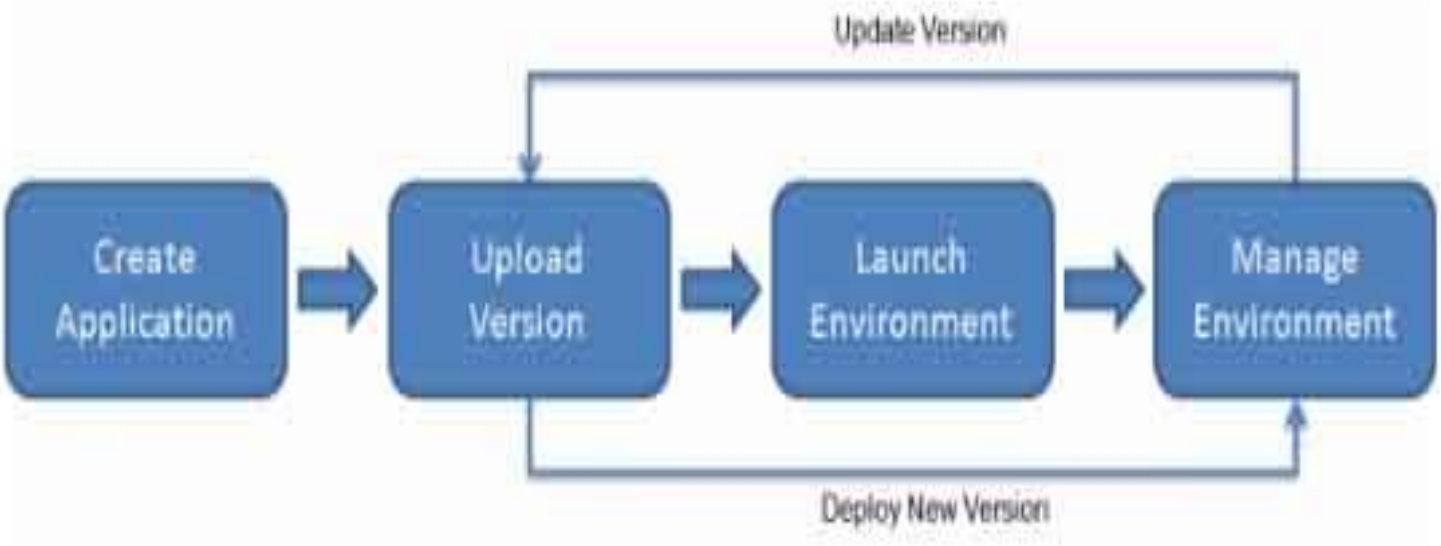
- AWS Elastic Beanstalk is an easy-to-use service for deploying and scaling web applications and services developed with Java, .NET, PHP, Node.js, Python, Ruby, Go, and Docker on familiar servers such as Apache, Nginx, Passenger, and IIS.
- You can simply upload your code and Elastic Beanstalk automatically handles the deployment, from capacity provisioning, load balancing, auto-scaling to application health monitoring. At the same time, you retain full control over the AWS resources powering your application and can access the underlying resources at any time.
- There is no additional charge for Elastic Beanstalk - you pay only for the AWS resources needed to store and run your applications.

AWS Elastic Beanstalk Benefits

- Easy to start with
- Autoscaling options
- Developer productivity
- Customization
- Cost-effective
- Management and updates

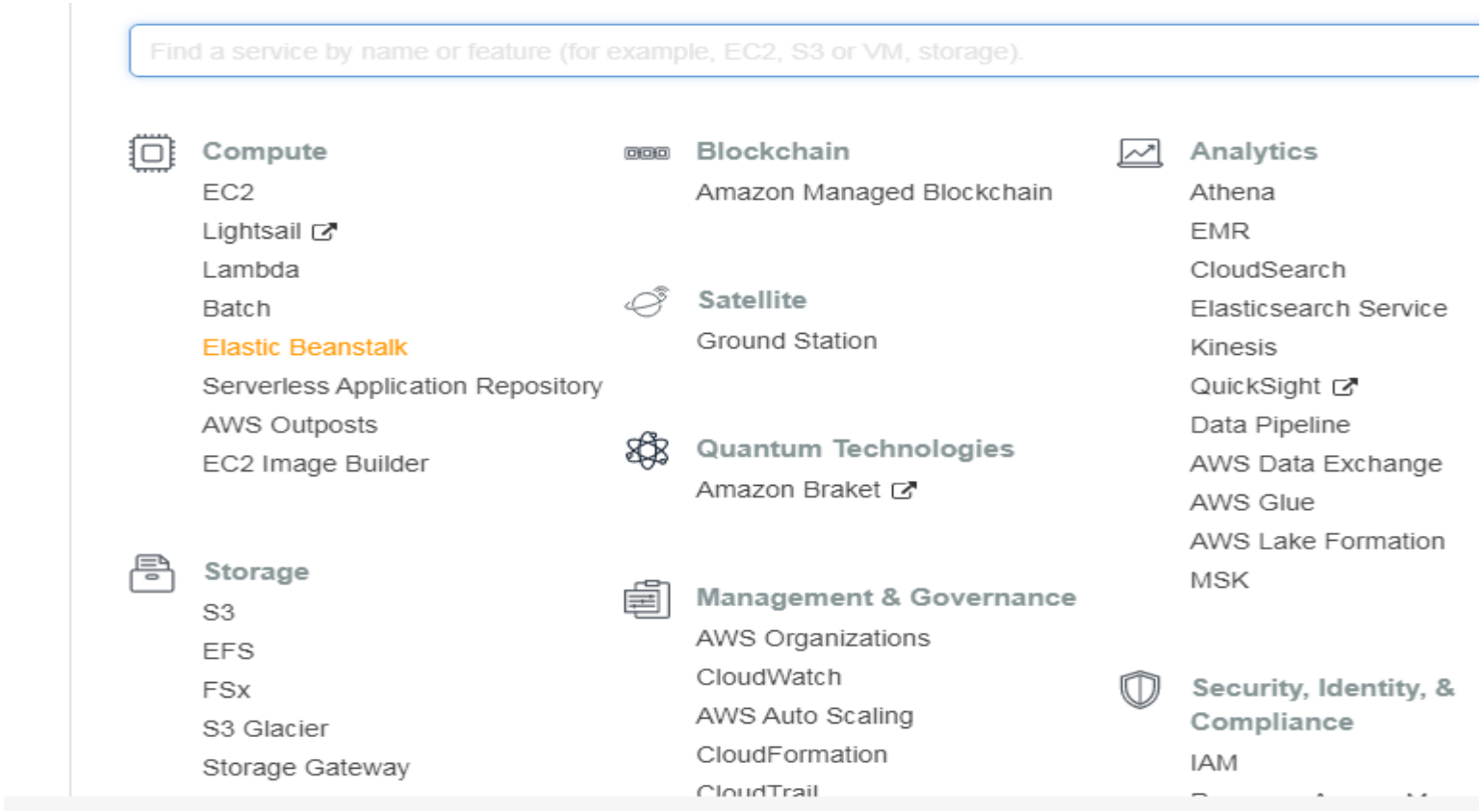

Developer productivity
Customization
Autoscaling options
Cost-effective
Easy to start with
Management and updates
AWS
ElasticBeanstalk
Benefits

AWS Elastic Beanstalk Steps



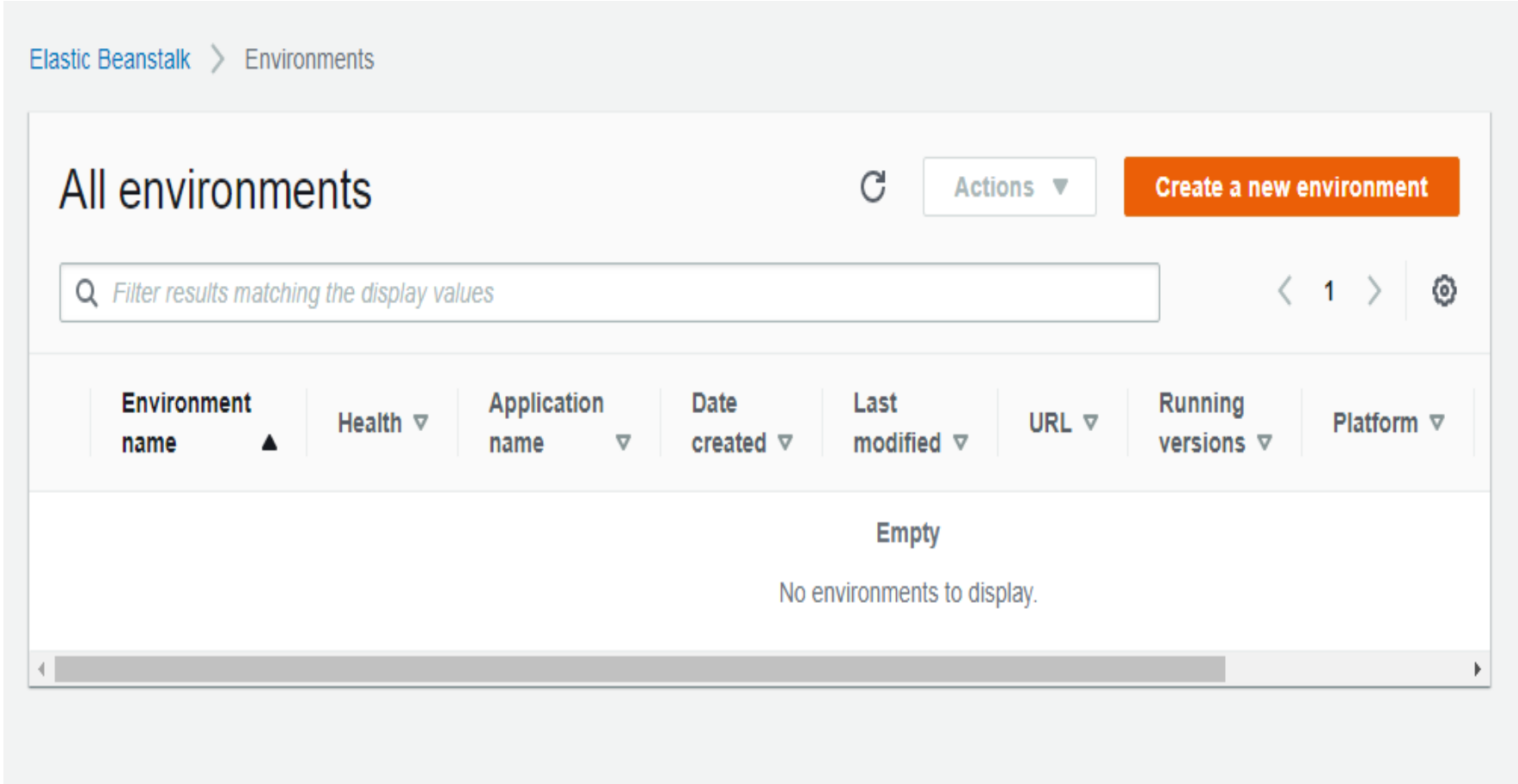
Lab: Deploy PHP code

1) Keep PHP complete application in local system
2) The PHP files should be in zip format
3) Open AWS ---Services—Elasticbean stalk --



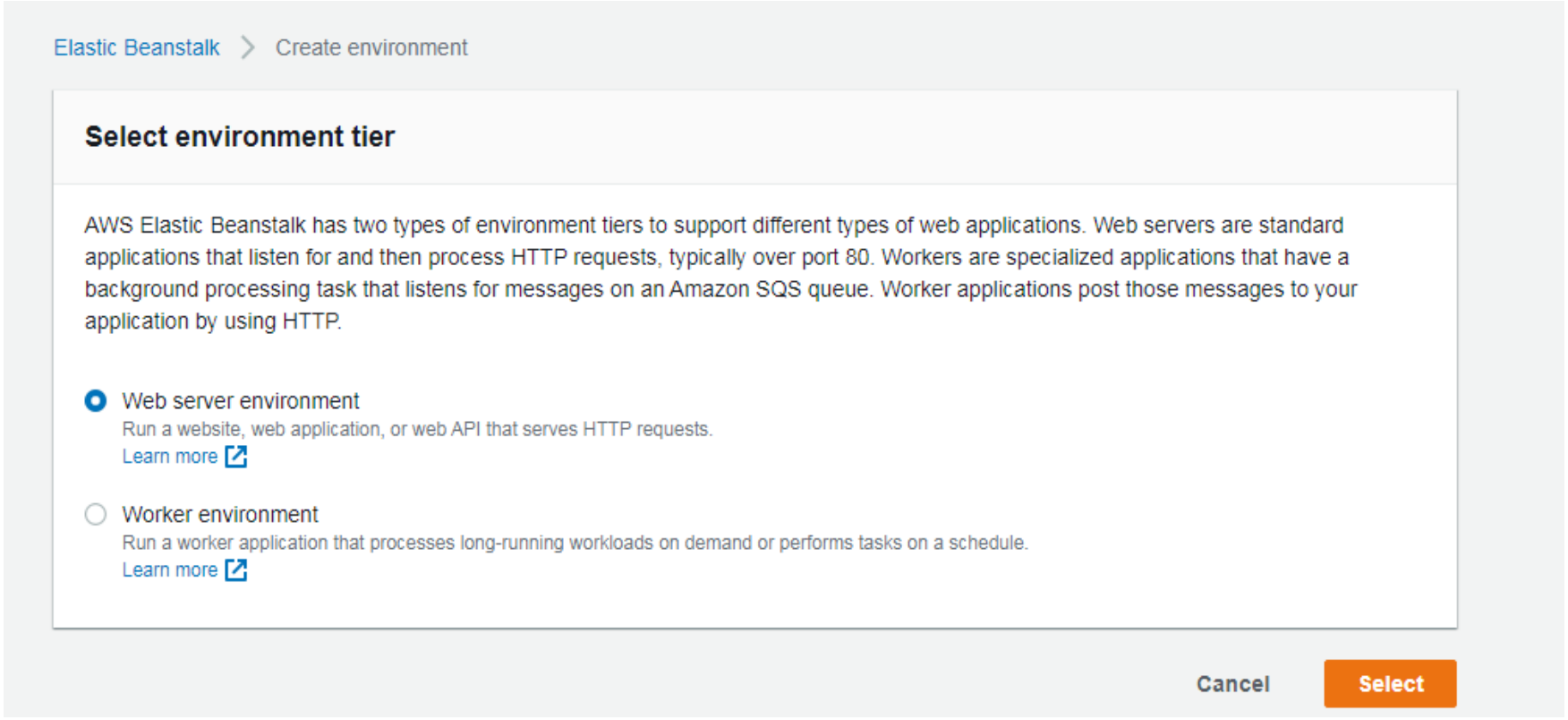
Lab: Deploy PHP code

4) Click on create a new environment



Lab: Deploy PHP code

5) Select webserver environment



Lab: Deploy PHP code

Give Application name—select the platform – PHP –Upload the file –next—create

Wait for 5 mins –Environment creation will be completed

Copy the obtained URL and paste in new tab(URL link/PHPfilename)

pmd-1215 › pmd1215-env (**Environment ID:** e-ebi2jjhtug, **URL:** pmd1215-env.us-east-1.elasticbeanstalk.com)

Actions

Overview

Refresh

Health

Ok

Causes

Running Version

nodejs-sample.zip

Upload and Deploy

Configuration

64bit Amazon Linux 2016.03
v2.1.0 running Node.js

Change

Recent Events

Show All

Time	Type	Details
2016-05-06 12:21:30 UTC-0400	INFO	Successfully launched environment: pmd1215-env
2016-05-06 12:20:32 UTC-0400	INFO	Environment health has transitioned from Pending to Ok. Initialization in progress on 1 instance. 0 out of 1 instance completed (running for 4 minutes).
2016-05-06 12:19:32 UTC-0400	INFO	Added instance [i-0f77fb2d3eeaf5ec9] to your environment.
2016-05-06 12:19:26 UTC-0400	INFO	Created CloudWatch alarm named: awseb-e-ebi2jjhtug-stack-AWSEBCloudwatchAlarmHigh-1M3Q9OKFX8Y1B