AWS Elastic Beanstalk

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Agenda

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- Pricing
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Introduction:

- Easy-to-use service for deploying and scaling web applications and services
- > Ability to just upload code
- Elastic Beanstalk automatically handles the deployment
- > Supports resource provisioning, load balancing, auto-scaling, and monitoring

Supported languages :

- ≻PHP
- ≻Java
- ≻Python
- ≻Ruby
- ≻Node.j
- ≻.NET

AWS Code deploy vs Elastic Beanstalk

Code Deploy	Elastic Beanstalk Web application deployment service Can Launch Additional Aws Resources Ex: Load balancers and EC2 instances Provides Application Monitoring		
Automates code deployments to currently running EC2 instances			
≻Does not provision resources			
Does not provide application-level monitoring			

Platform History

Configuration and Solution Stack Name	AMI	Language	AWS X- Ray	Application Server	Proxy Server
Java 8 with Tomcat 8 version 2.5.4 64bit Amazon Linux 2016.09 v2.5.4 running Tomcat 8 Java 8	2016.09.0	Java 1.8.0_121	1.0.0	Tomcat 8.0.41	Apache 2.2.31
Java 7 with Tomcat 7 version 2.5.4 64bit Amazon Linux 2016.09 v2.5.4 running Tomcat 7 Java 7	2016.09.0	Java 1.7.0_131	1.0.0	Tomcat 7.0.75	Apache 2.2.31
Java 6 with Tomcat 7 version 2.5.4 64bit Amazon Linux 2016.09 v2.5.4 running Tomcat 7 Java 6	2016.09.0	Java 1.6.0_41	1.0.0	Tomcat 7.0.75	Apache 2.2.31

Features

Features

Components

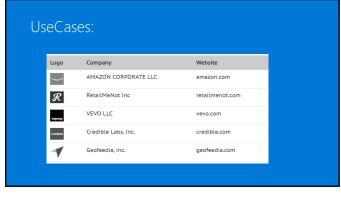


Advantages and Disadvantages

Update Version

Deploy New Version

Usability



Pricing

No additional charge for AWS Beanstalk

≻New AWS customers who are eligible for the AWS free usage tier can deploy an application in Elastic Beanstalk for free

Technological Alternatives

≻Heroku

- ➤Google App Engi
- PythonAnywhere
- - -
- ≻AppHarbor

Demo

- AWS Elastic Beanstalk- UI
- AWS Elastic Beanstalk- CLI
- Java Web Application Tomcat Web server