

# *Elastic Beanstalk*



Quickly **deploy and manage** web-apps on AWS  
**without worrying about infrastructure.**



# Elastic Beanstalk

The Heroku of AWS. Choose a platform, upload your code and it runs with little worry for developers about infrastructure knowledge. **Not Recommended for “Production” applications**

Elastic Beanstalk is powered by a CloudFormation template setups for you:

- Elastic Load Balancer
- Autoscaling Groups
- RDS Database
- EC2 Instance preconfigured (or custom ) platforms
- Monitoring (CloudWatch, SNS)
- In-Place and Blue/Green deployment methodologies
- Security (Rotates passwords)
- Can run **Dockerized** environments

**AWS is talking about enterprise, large companies.**



**Software**

AWS X-Ray: disabled  
Rotate logs: disabled (default)  
Log streaming: disabled (default)  
Environment properties: 4  
BUNDLE\_WITHOUT: RACK, ENV, RAILS\_SKIP\_ASSET\_COMPILATION, RAILS\_SKIP\_MIGRATIONS

Modify

**Instances**

EC2 Instance type: t2.micro  
EC2 image ID: ami-04cc49729ec379d  
Root volume type: container default  
Root volume size (GB): container default  
Root volume IOPS: container default  
Security groups: none

Modify

**Capacity**

Environment type: load balancing, auto scaling  
Availability Zones: Any  
Instances: 1-4

Modify

**Rolling updates and deployments**

Deployment policy: All at once  
Rolling updates: disabled  
Health check: enabled

Modify

**Load balancer**

Load balancer type: application  
Listeners: 1  
Processes: 1  
Rules: 1

Modify





## Elastic Beanstalk *CheatSheet*

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- **Elastic Beanstalk** handles the deployment, from capacity provisioning, load balancing, auto-scaling to application health monitoring
- When you want to run a web-application but you don't want to have think about the underlying infrastructure.
- It costs nothing to use Elastic Beanstalk (only the resources it provisions eg. RDS, ELB, EC2)
- Recommended for test or development apps. Not recommended for production use
- You can choose from the following preconfigured platforms: Java, .NET, PHP, Node.js, Python, Ruby, Go, and Docker
- You can run dockerized environments on Elastic Beanstalk.