**AWS Elastic BeanStalk**

* Simplest way to deploy and scale your web application in AWS
* Provides end-to-end web application management
* Supports Java, .NET, Node.js, PHP, Ruby, Python, Go, and Docker applications
* No usage charges - Pay only for AWS resources you provision
* Features:
* Automatic load balancing
* Auto scaling
* Managed platform updates Application health monitoring

**AWS Elastic BeanStalk Demo**

* Deploy an application to cloud using AWS Elastic Beanstalk

**AWS Elastic Beanstalk Concepts**

* Application - A container for environments, versions and configuration
* Application Version - A specific version of deployable code (stored in S3)
* Environment - An application version deployed to AWS resources. You can have multiple environments running different application versions for the same application.
* Environment Tier:
  + For batch applications, use worker tier
  + For web applications, use web server tier

**AWS Elastic BeanStalk - Remember**

* You retain full control over AWS resources created
* Ideal for simple web applications
* NOT ideal for microservices architectures
* You can access server logs without logging into the server
* Logs can be stored in Amazon S3 or in CloudWatch Logs
* You can choose to apply patches and platform updates automatically
* Metrics are send to Amazon CloudWatch
* You can configure SNS notifications based on health
* Delete your environment!