



AWS – Elastic Beanstalk

Agenda

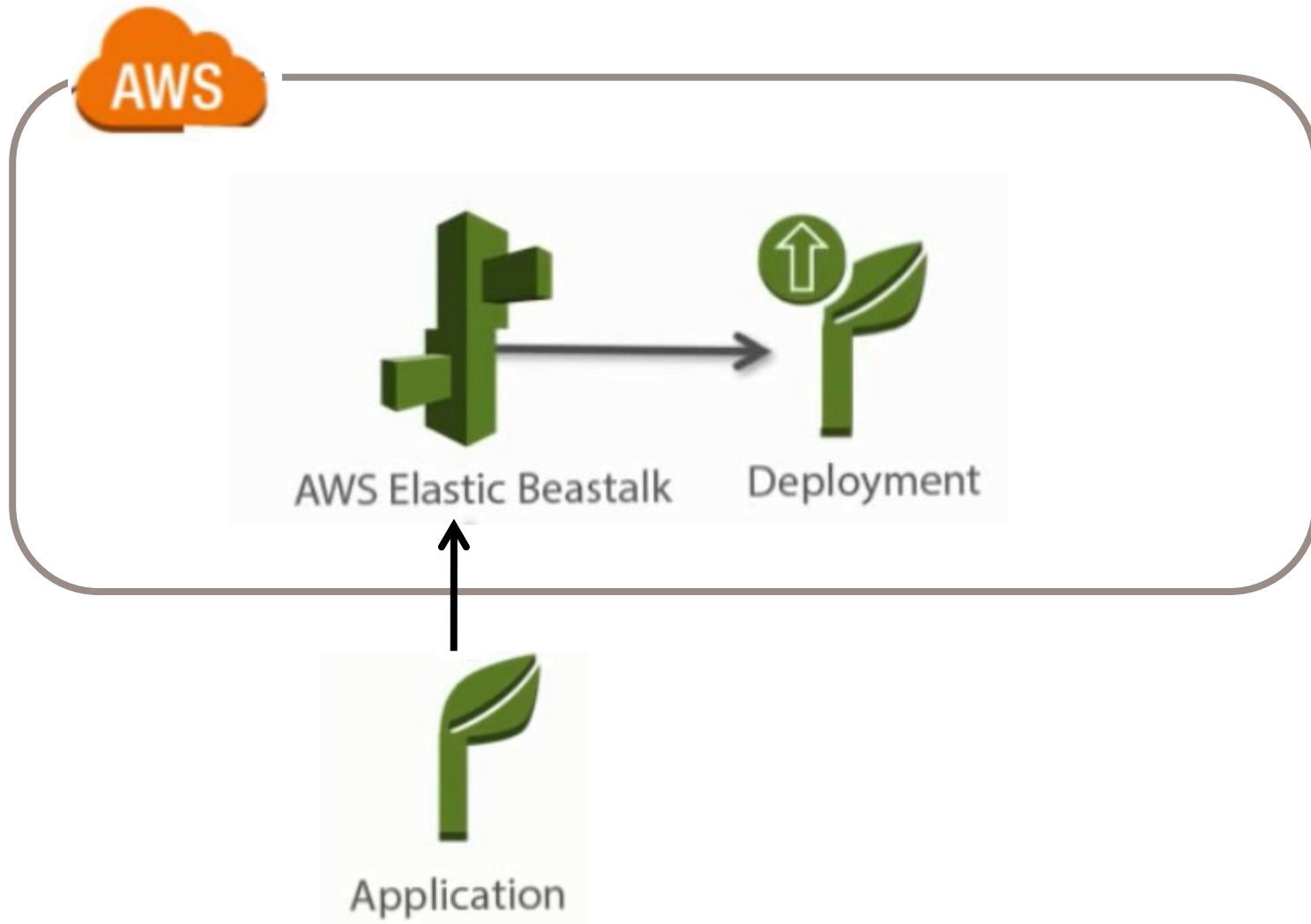


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Introduction to AWS Elastic Beanstalk

Introduction to AWS Elastic Beanstalk



Introduction to AWS Elastic Beanstalk

- Deploy and manage web applications in AWS cloud.
- Applications developed with many popular programming languages.
 - Java
 - .NET
 - PHP
 - Node.js
 - Python
 - Ruby
 - Docker

Introduction to AWS Elastic Beanstalk

- After upload your application, AWS Elastic Beanstalk automatically handles deployment details of,
 - Capacity provisioning
 - Load balancing
 - Auto scaling
 - Application health monitoring

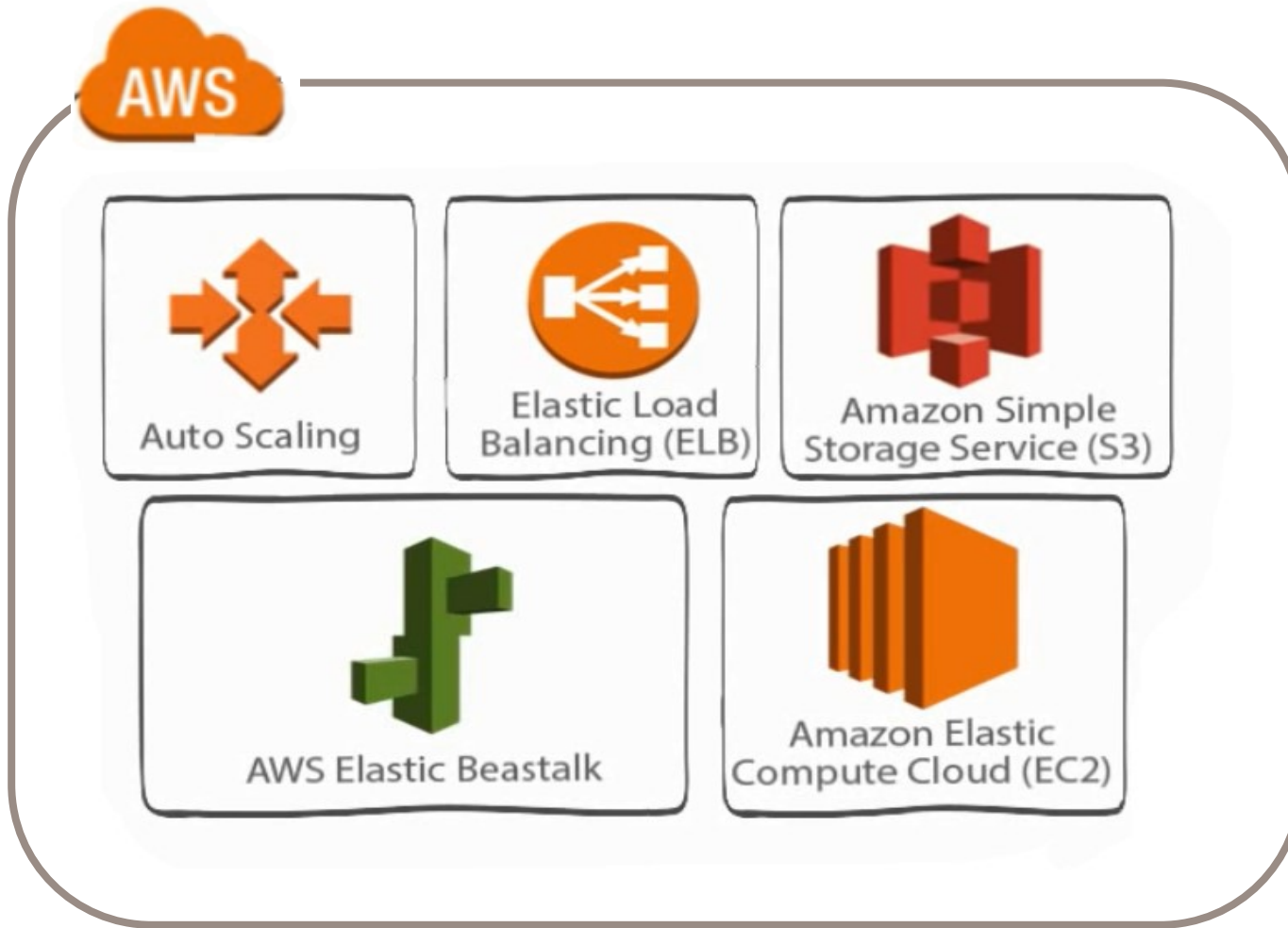
Introduction to AWS Elastic Beanstalk

- After upload your application, AWS Elastic Beanstalk automatically handles deployment details of,
 - Capacity provisioning
 - Load balancing
 - Auto scaling
 - Application health monitoring
 - Underlying resources any time.

AWS Resources

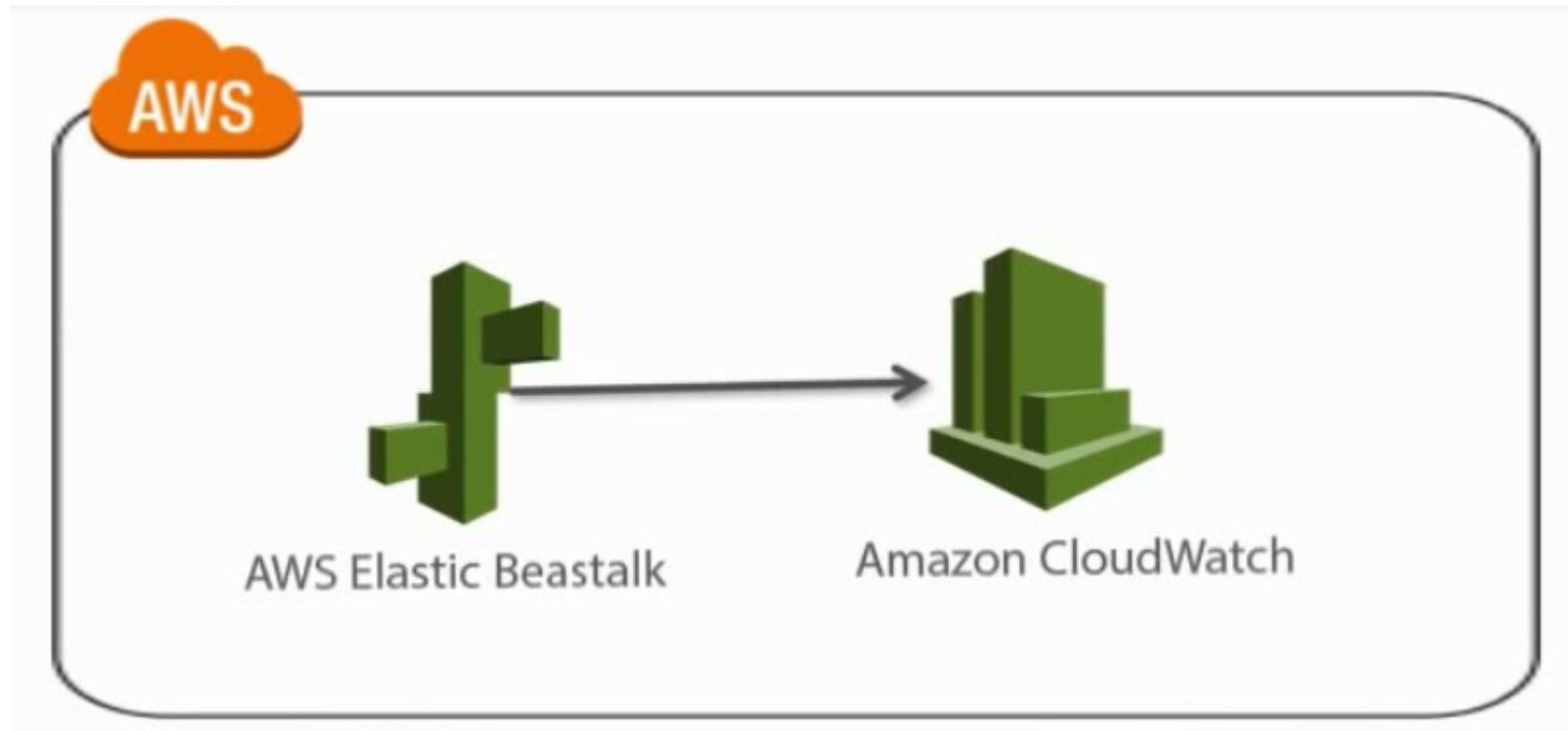
- Elastic beanstalk relies on AWS services such as
 - Amazon Elastic Compute Cloud (EC2)
 - Auto Scaling
 - Elastic Load Balancing (ELB)
 - Amazon Simple Storage Service (S3)
- To deliver highly reliable, scalable and cost effective infrastructure.
- Hundreds of thousands of businesses depends on today.

AWS Resources



Application Performance

- Amazon Cloud Watch with AWS Elastic Beanstalk to get metrics and set alarms.



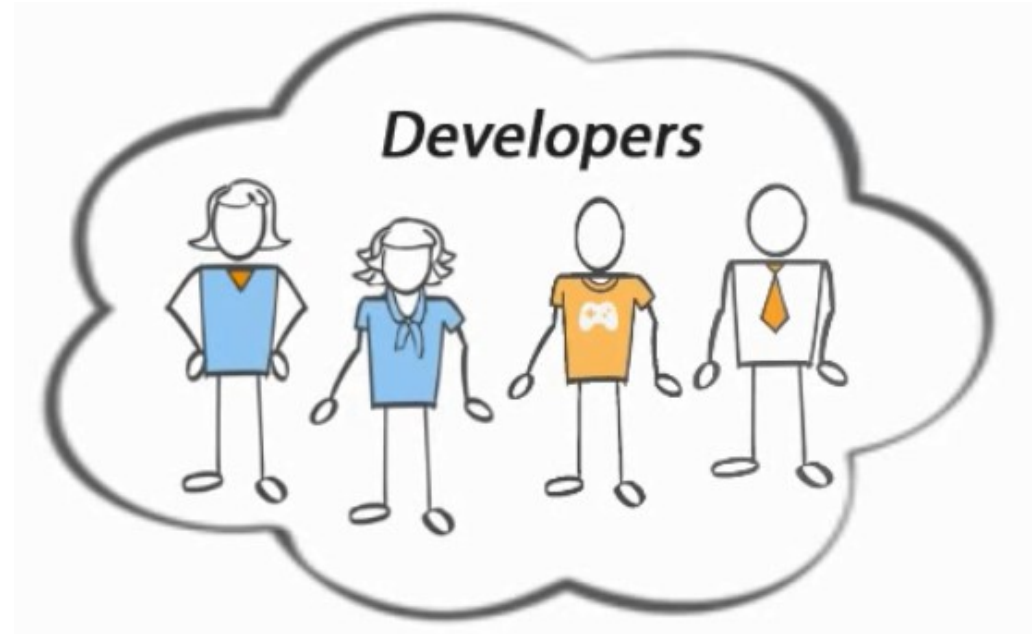
Security

- AWS Elastic Beanstalk runs on AWS's highly secure infrastructure that provides complete segregation and privacy in the cloud.
- All AWS services, Elastic Beanstalk provides HTTPS endpoints for encrypted network access and requires the use of cryptographic credentials in order to access or launch any required AWS resources.
- Additional layer of security by setting up a DMZ using Amazon VPC to create a private subnet of your AWS resources



Security

Users and Groups:



Security

- User have access and limit permissions to read-only access.
- By Creating Identity and Access Management (IAM) users.
- AWS resource can be controlled by IAM.



- Log into AWS Management Console
- Create and Deploy a new application in Elastic Beanstalk
- View information about your environment
- Change the environment configuration settings

Notes:

You can create one simple java web application and create zip folder of that application. And then you can deploy into AWS by using Elastic Beanstalk.

People matter, results count.

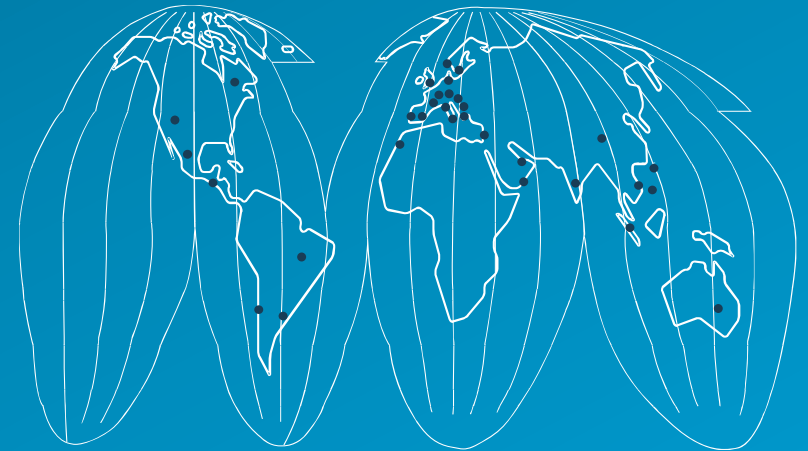


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