

# Deploying Docker Using Elastic Beanstalk



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# Elastic Beanstalk & Docker Containers

1

Elastic Beanstalk supports the deployment of Docker containers.

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Docker containers are self-contained and include all the configuration information and software your web application requires to run. - think libraries, system tools, code & runtime

3

Elastic Beanstalk handles the capacity provisioning, load balancing, scaling, and application health monitoring.





# Deploying Docker Containers Using Elastic Beanstalk



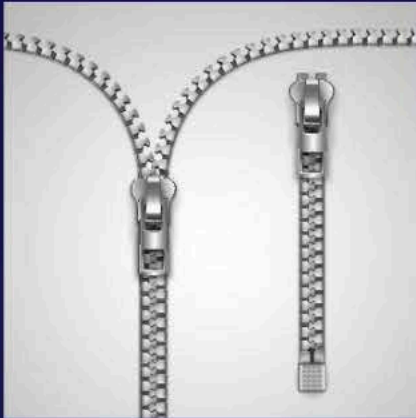
## Single Docker Container

You can either run a single Docker container on an EC2 instance provisioned by Elastic Beanstalk



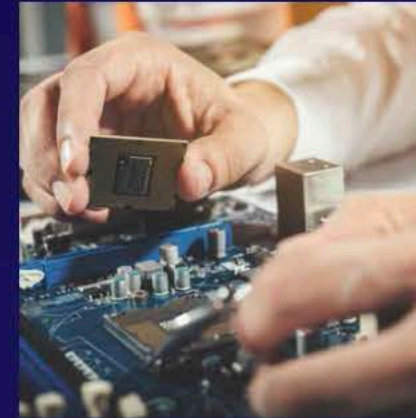
## Multiple Docker Containers

Use Elastic Beanstalk to build an ECS cluster and deploy multiple Docker containers on each instance



## Deploy Your Code...

Upload a zip file containing your code bundle and Elastic Beanstalk will do the rest.



## Upgrade Your Code...

If you want to upgrade your application to a new version, it's one easy step in the console to upload and deploy.





# The Best Way To Learn?

Get your hands dirty!

# Exam Tips



## Elastic Beanstalk and Docker

- When using Elastic Beanstalk, you can deploy your Docker container to a single EC2 instance.
- You can also deploy multiple Docker instances to an ECS cluster.
- To deploy a Docker application just upload your code bundle to Elastic Beanstalk.
- To upgrade your application to a new version, it's one easy step in the console to upload and deploy your new version.
- Code can be uploaded directly from your local machine or a public S3 bucket.
- You can also store your code in CodeCommit - but must use the Elastic Beanstalk CLI.