

# Navigating Streamlined Docker container Deployment on AWS

By Avinash Dalvi

@AvinashDalvi\_

A solid orange semi-circle is located in the bottom-left corner of the slide.

I am believer in learning together and growing together



**I'm Avinash Shashikant Dalvi**

**Senior Software Engineer @ Eagleview**

 **avinashdalvi.com**

 **internetkatta.com**

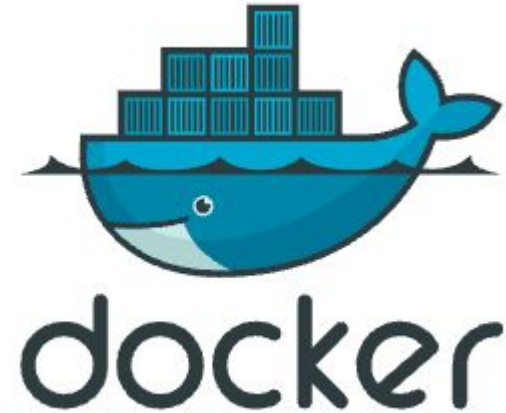
**AWS**  
community  
**builders**

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# What will cover

- Understanding Docker Containers
- AWS Elastic Container Services
- Benefits of Docker Container Deployment on AWS
- Deploying Docker Containers on ECS
- Challenge

# Understanding Docker Containers



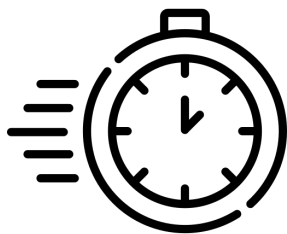
# AWS Elastic Container Services

- Clusters
- Service
- Tasks
- Task definition
- Container Agent

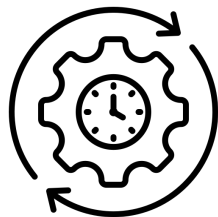


**Amazon Elastic  
Container Service**

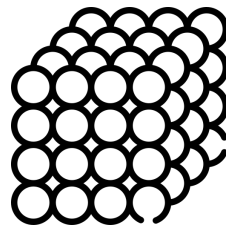
# Benefits of Docker Container Deployment on AWS



Speed



Consistency



Density



Portability

# Deploying Docker Containers on ECS

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# Challenge



docs.docker.com/cloud/ecs-integration/

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## Deploying Docker containers on ECS

**Important**

Docker Compose's integration for ECS and ACI is retiring in November 2023.

### Overview

The Docker Compose CLI enables developers to use native Docker commands to run applications in Amazon Elastic Container Service (ECS) when building cloud-native applications.

The integration between Docker and Amazon ECS allows developers to use the Docker Compose CLI to:

- Set up an AWS context in one Docker command, allowing you to switch from a local context to a cloud context.



Any alternative ?

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# Any alternative ?

The screenshot shows the GitHub repository page for `docker/compose-ecs`. The repository is public and has 3,039 commits, 13 stars, 2 forks, and 3 watchers. The repository is maintained by `ndeloof`. The repository structure is as follows:

File/Folder	Description	Last Commit
<code>.github</code>	dapt e2e tests	2 months ago
<code>api</code>	fix some linter issues	2 months ago
<code>cli</code>	use compose-ecs binary we just built	2 months ago
<code>docs</code>	move to docker/compose-ecs and restrict scope to ECS	2 months ago
<code>ecs</code>	use compose-ecs binary we just built	2 months ago
<code>internal</code>	drop metrics and contexts. CLI only offers command implemented o...	2 months ago
<code>packaging</code>	packaging: Add EULA	3 years ago
<code>scripts</code>	Switch to using addlicense for copyright header validation	last year
<code>utils</code>	dapt e2e tests	2 months ago
<code>.dockerignore</code>	packaging: Add EULA	3 years ago

The repository is licensed under Apache-2.0. The repository is also available on Docker Hub.

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# compose-ecs

Doesn't required to set docker context

# References

<https://github.com/docker/compose-ecs>

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# Thank you!!

You can connect with me here



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