Cloud Plus Plus Services

Amazon Elastic Container Service

Deploy a Container Web App on Amazon ECS

Objectives:

1. Learn To deploy a containerized application on Amazon Elastic Container Service (Amazon ECS).
2. Learn Create the infrastructure to run your container with ECS

Step 1: In AWS Management Console, go to ECS from search bar.

Step 2: Here, we need to create a Cluster. Click on GET STARTED.

Step 3: From Container definition select sample-app and click on Edit. Scroll down to Advanced container configuration.

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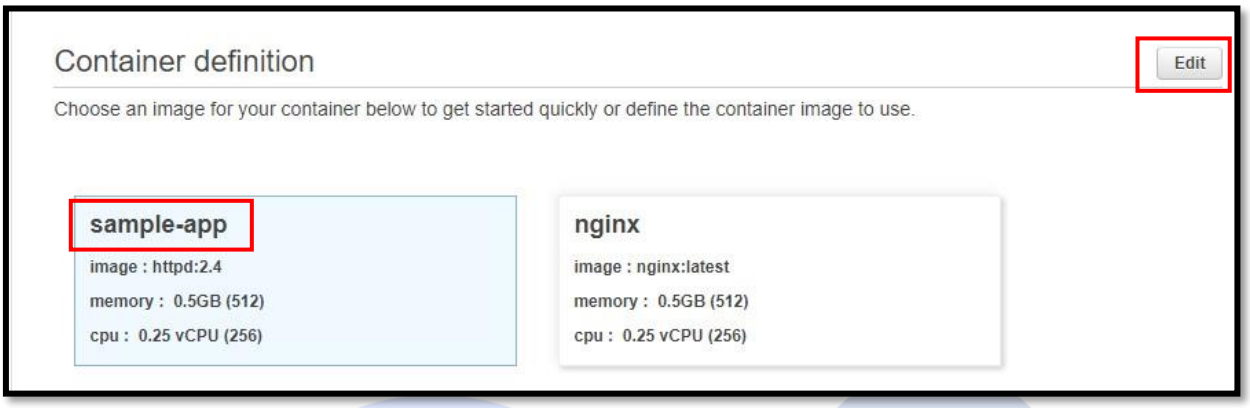
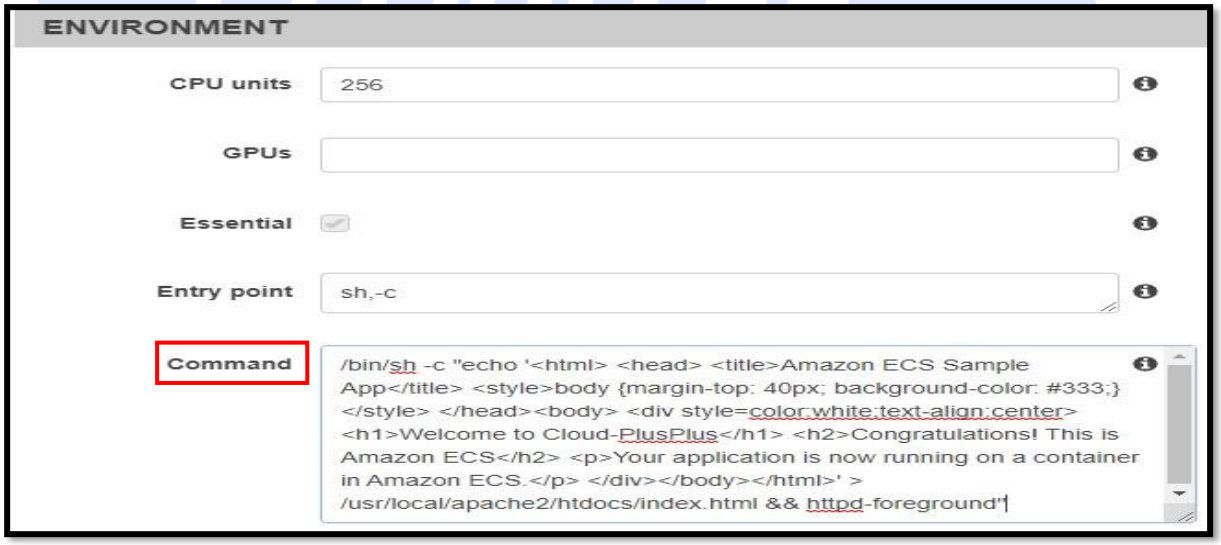


Step 4: Paste the following script in Command section from Environment

/bin/sh -c "echo '<html> <head> <title>Amazon ECS Sample App</title> <style>body {margin-top: 40px; background-color: #333;} </style> </head><body> <h1>Welcome to Cloud-PlusPlus</h1> <h2>Congratulations! This is Amazon ECS</h2> Your application is now running on a container in Amazon ECS. </body></html>' > /usr/local/apache2/htdocs/index.html && httpdforeground"



Keep the rest default and scroll down and click on update.

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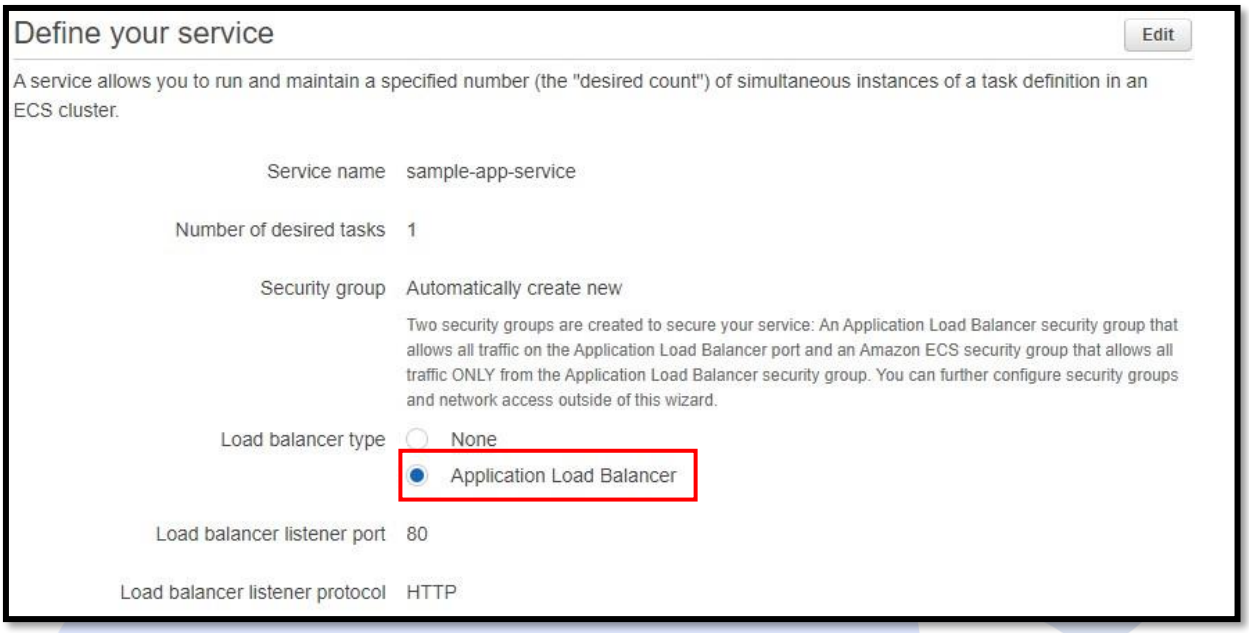
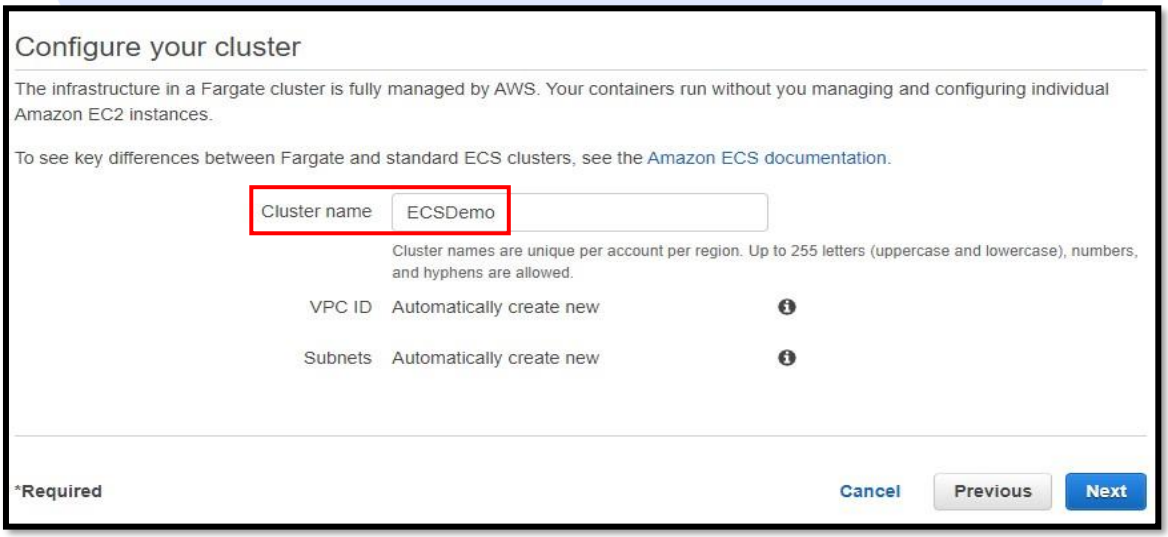
Step 5: Select Application Load Balancer and keep rest as it is. Click on next.



Step 6: Name your cluster, in this case "ECSDemo" and click next.



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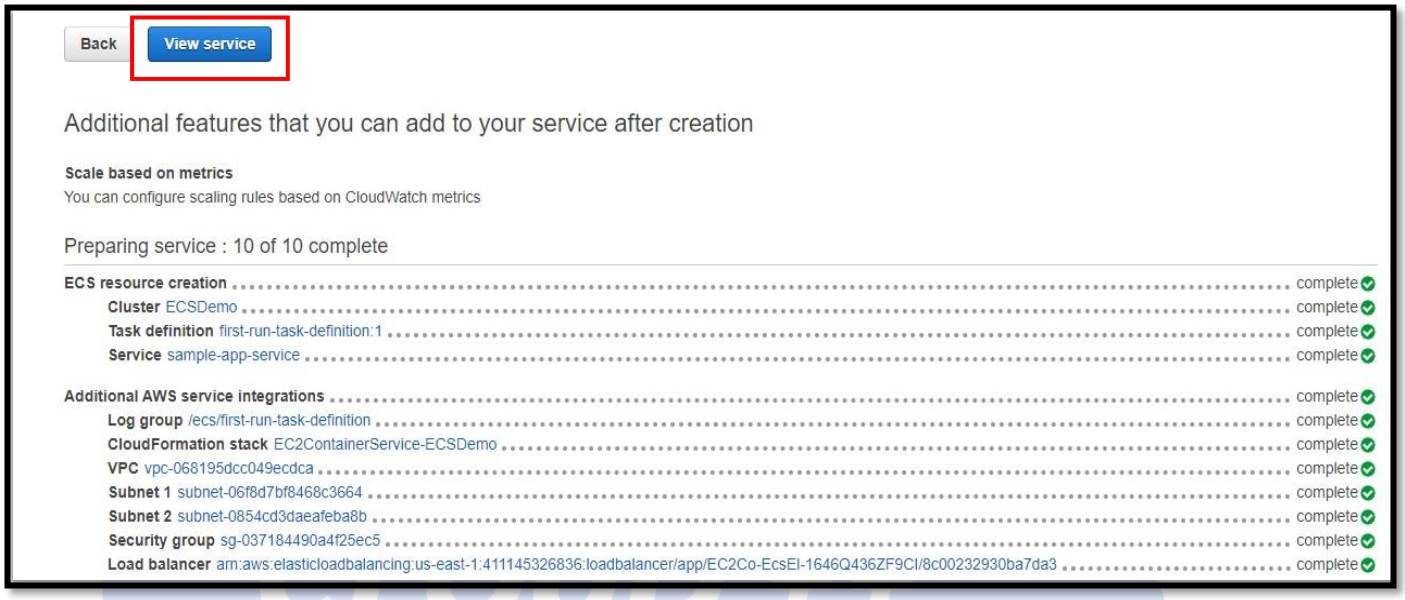
Step 7: Review the configuration and Click on Create. Here, the cluster is getting launched. Wait till the services are complete.

Click on view services.



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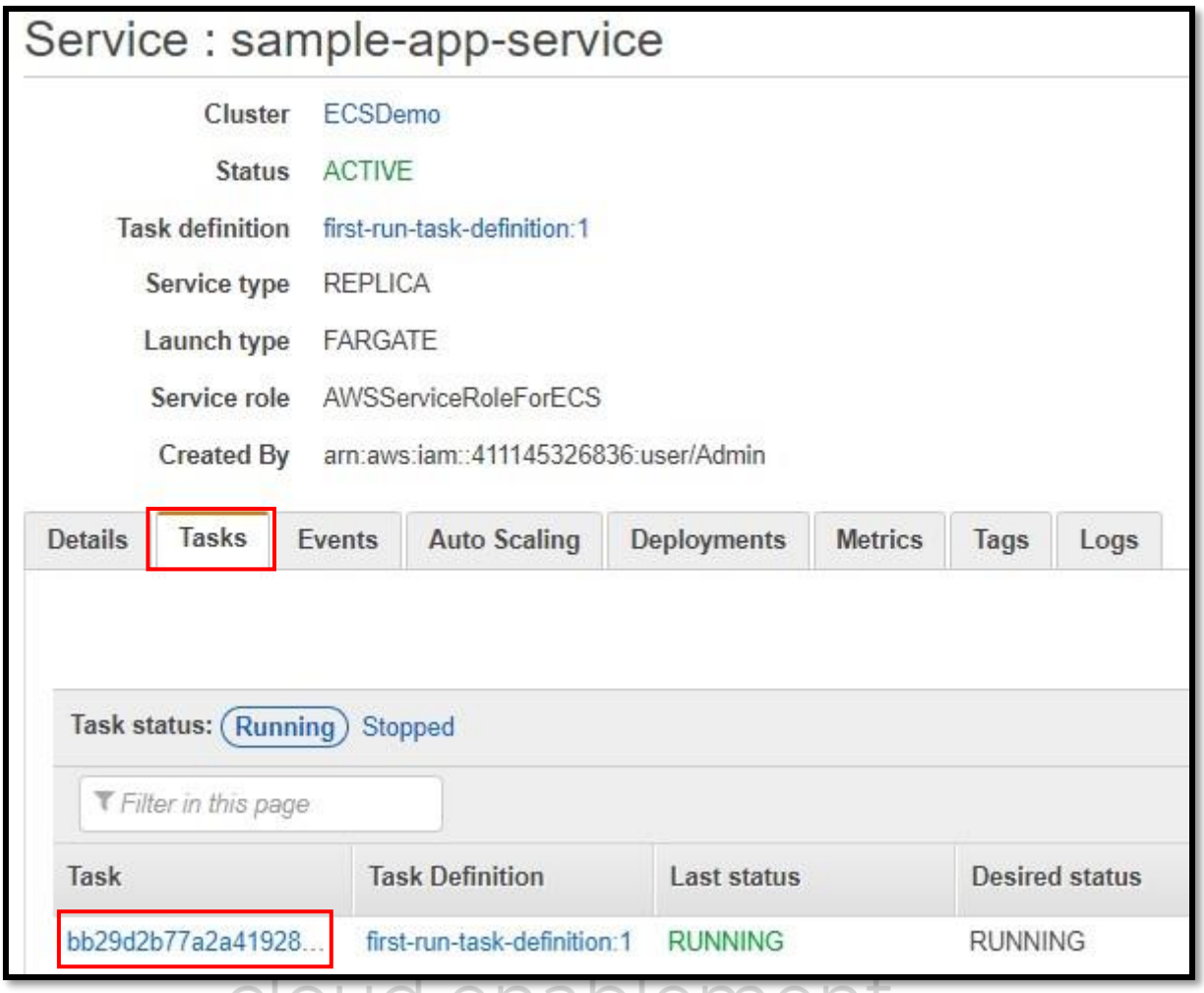
Step 8: The Cluster is Created. Now, select Tasks and click on the first task i.e. the Container from Task status.



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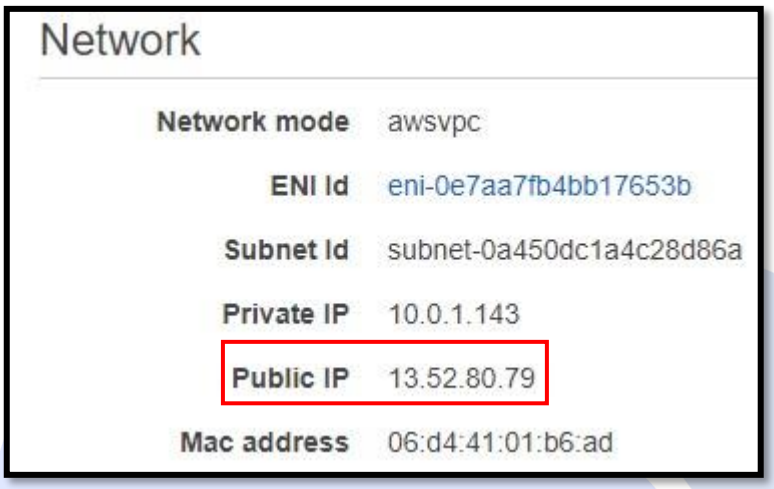
Step 9: Here you can review the details of your Container. Scroll down to Network and copy the Public IP.



Step 10: Paste the Public IP in the new window

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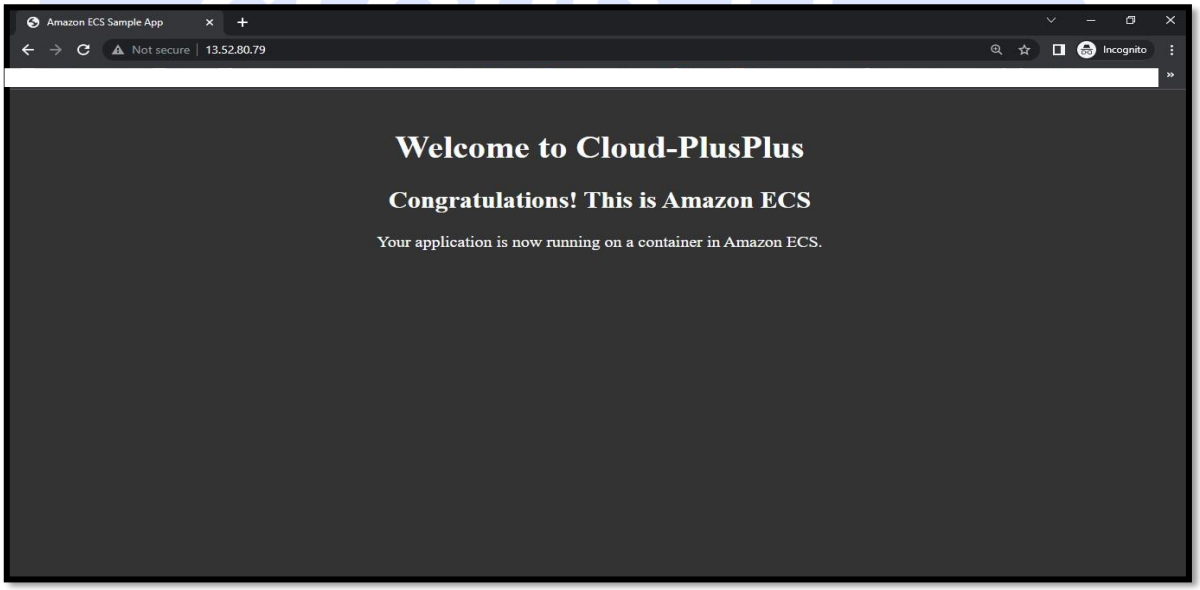

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Note: If you no longer need the Cluster, delete the Cluster. Also deregister the task from Task definition at left panel from Amazon ECS.

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