

ECS Cluster – Nginx Sample

The screenshot displays the AWS Management Console interface for creating a new ECS cluster in the ap-south-1 region. The browser tabs include Adrenal, Mail, Ultimate, Amazon, Network, and Document. The console header shows the AWS logo, Services menu, a search bar, and user information (Mumbai, Bhargav L N S N).

Container definition

Choose an image for your container below to get started quickly or define the container image to use.

Container Name	Image	Memory	CPU
sample-app	image : httpd:2.4	memory : 0.5GB (512)	cpu : 0.25 vCPU (256)
nginx	image : nginx:latest	memory : 0.5GB (512)	cpu : 0.25 vCPU (256)
tomcat-webserver	image : tomcat	memory : 2GB (2048)	cpu : 1 vCPU (1024)
custom	image : --	memory : --	cpu : --

The 'nginx' container definition is highlighted in blue. A 'Configure' button is visible next to the 'custom' definition.

Task definition

A task definition is a blueprint for your application, and describes one or more containers through attributes. Some

task definition in an ECS cluster.

Service name	nginx-service
Number of desired tasks	1
Security group	Automatically create new <small>Two security groups are created to secure your service: An Application Load Balancer security group that allows all traffic on the Application Load Balancer port and an Amazon ECS security group that allows all traffic ONLY from the Application Load Balancer security group. You can further configure security groups and network access outside of this wizard.</small>
Load balancer type	<input type="radio"/> None <input checked="" type="radio"/> Application Load Balancer
Load balancer listener port	80
Load balancer listener protocol	HTTP

*Required

Buttons: Cancel, Previous, Next

Footer: Feedback, Looking for language selection? Find it in the new Unified Settings, Privacy, Terms, Cookie preferences, © 2022, Amazon Internet Services Private Ltd. or its affiliates.

Adrenal x Mail - B x Ultimate x Amazon x Network x W Docume x W Docume x +

ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/firstRun

aws Services Search [Alt+S] Mumbai Bhargav L N S N

Cluster

Configure your cluster

The infrastructure in a Fargate cluster is fully managed by AWS. Your containers run without you managing and configuring individual Amazon EC2 instances.

To see key differences between Fargate and standard ECS clusters, see the [Amazon ECS documentation](#).

Cluster name

Cluster names are unique per account per region. Up to 255 letters (uppercase and lowercase), numbers, and hyphens are allowed.

VPC ID Automatically create new ⓘ

Subnets Automatically create new ⓘ

*Required Cancel Previous Next

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Type here to search

ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/firstRun

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Protocol HTTP

Service

Service name nginx-service

Number of desired tasks 1

Load balancer listener port 80

Load balancer listener protocol HTTP

Cluster

Cluster name nginxsample

VPC ID Automatically create new

Subnets Automatically create new

*Required Cancel Previous Create

ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/firstRun

Back View service

Additional features that you can add to your service after creation

Scale based on metrics
You can configure scaling rules based on CloudWatch metrics

Preparing service : 10 of 10 complete

ECS resource creation complete ✓

- Cluster [nginxsample](#) complete ✓
- Task definition [first-run-task-definition:3](#) complete ✓
- Service [nginx-service](#) complete ✓

Additional AWS service integrations complete ✓

- Log group [The log group \[/ecs/first-run-task-definition\] already exists](#) complete ✓
- CloudFormation stack [EC2ContainerService-nginxsample](#) complete ✓
- VPC [vpc-08d639b5e272813f4](#) complete ✓
- Subnet 1 [subnet-0f0b2b4591de7153c](#) complete ✓
- Subnet 2 [subnet-07e4ec24512900a2a](#) complete ✓
- Security group [sg-08a4bf6d7af2fc45c](#) complete ✓
- Load balancer [arn:aws:elasticloadbalancing:ap-south-1:192095846711:loadbalancer/app/EC2Co-EcsEL-1NEWAHL-C9TEAX/d28e0d09ad38eb03](#) complete ✓

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ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/clusters/nginxsample/services/nginx...

aws Services Search [Alt+S] Mumbai Bhargav L N S N

Service : nginx-service

Update Delete

Cluster	nginxsample	Desired count	1
Status	ACTIVE	Pending count	1
Task definition	first-run-task-definition:3	Running count	0
Service type	REPLICA		
Launch type	FARGATE		
Service role	AWSServiceRoleForECS		
Created By	arn:aws:iam::192095846711:root		

Details Tasks Events Auto Scaling Deployments Metrics Tags Logs

Load Balancing

Target Group Name	Container Name	Container Port
EC2Co-Defau-BNC239TBI9OM	nginx	80

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Browser tabs: Adrenal, Mail - B, Ultimate, Amazon, Billing, Docu, Docu. URL: ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/clusters/nginxsample/services/nginx...

aws Services Search [Alt+S] Mumbai Bhargav L N S N

Task definition: first-run-task-definition:3
Service type: REPLICAS
Launch type: FARGATE
Service role: AWSServiceRoleForECS
Created By: arn:aws:iam::192095846711:root

Status: ACTIVE Pending count: 0 Running count: 1

Details Tasks Events Auto Scaling Deployments Metrics Tags Logs

Last updated on December 9, 2022 2:16:12 PM (0m ago)

Task status: Running Stopped

Filter in this page < 1-1 > Page size 50

Task	Task Definit...	Last status ...	Desired sta...	Group	Launch typ...	Platform v
a02cff786ce...	first-run-task...	RUNNING	RUNNING	service.ngin...	FARGATE	1.4.0

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Windows taskbar: Type here to search, 21°C, 2:16 PM 12/9/2022

Browser tabs: Adrenal, Mail, Ultim, Ama, Netw, Billing, Docu, Docu. URL: ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#NIC:v=3;sort=desc:networkInterfaceId

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Images

Network interfaces (3) Info Actions Create network interface

Search < 1 > Settings

	Name	Network interface ID	Subnet ID	VPC ID
<input type="checkbox"/>	-	eni-0c7d78604edc96ead	subnet-07e4ec24512900a2a	vpc-08d639b5e
<input type="checkbox"/>	-	eni-0ace3e5883845dca9	subnet-0f0b2b4591de7153c	vpc-08d639b5e
<input type="checkbox"/>	-	eni-07d96c3ed2c053204	subnet-07e4ec24512900a2a	vpc-08d639b5e

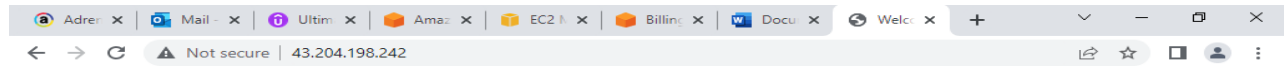
Select a network interface

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Windows taskbar: Type here to search, 21°C, 2:16 PM 12/9/2022

First Network Interface



Welcome to nginx!

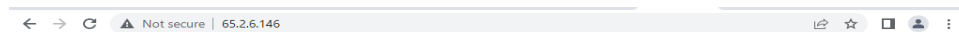
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.



Second Network Interface



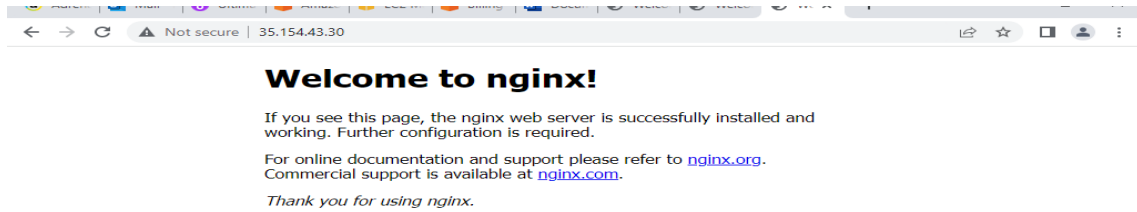
Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

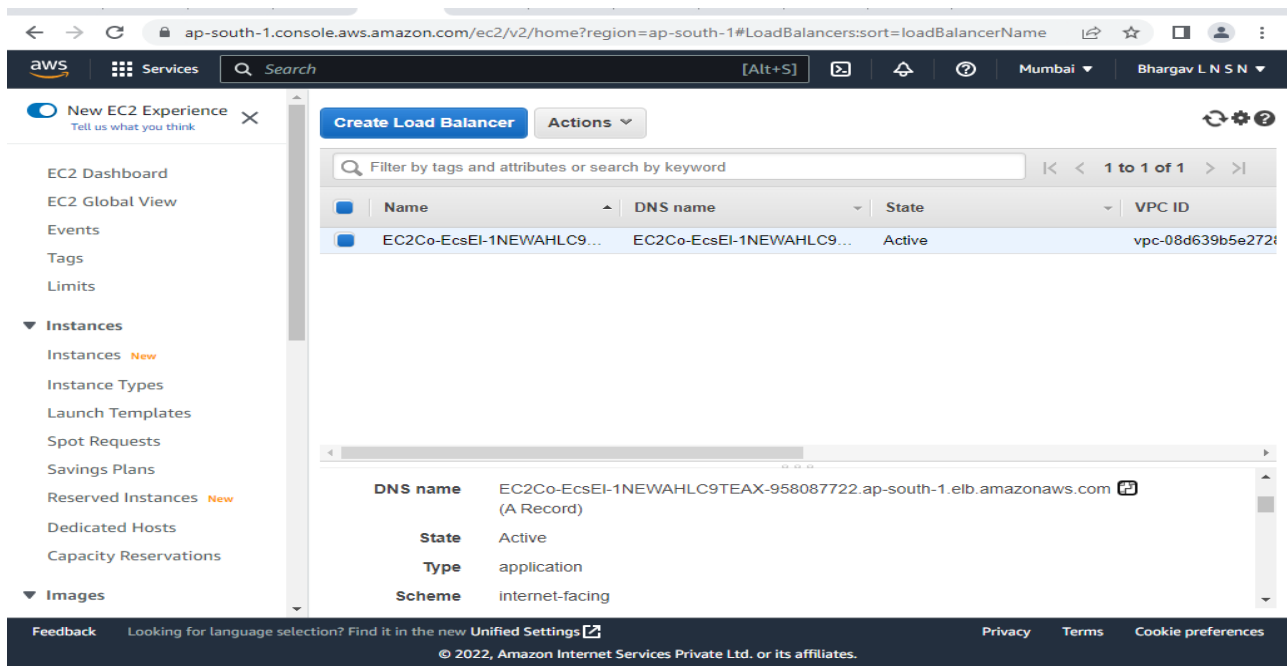
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

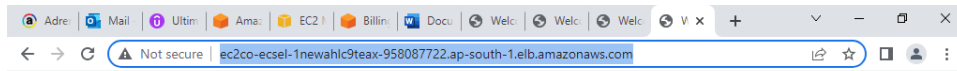
Third Network Interface :-



Load Balancer



Public IPV4 DNS



Welcome to nginx!

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Thank you for using nginx.

