

# Module 7 – Assignment

The screenshot displays the AWS CloudFormation console interface. The left sidebar shows the 'Stacks' list for the 'module07' stack, which is in the 'CREATE\_COMPLETE' state. The main panel shows the 'Stack info' page for 'module07', which is also in the 'CREATE\_COMPLETE' state. The 'Events' tab is selected, showing a list of events for the stack.

**Stacks (2)**

Stack	Created time	Status
module07	2024-01-20 17:58:10 UTC+0530	CREATE_COMPLETE
CDKToolkit	2024-01-04 23:04:10 UTC+0530	CREATE_COMPLETE

**module07 Stack info**

Stack ID: `arn:aws:cloudformation:us-east-1:215598304684:stack/module07/5f163000-b78f-11ee-9bfd-0a1049e3dc15`

Status: **CREATE\_COMPLETE**

Root stack: -

Created time: 2024-01-20 17:58:10 UTC+0530

Updated time: -

**Events (68)**

Timestamp	Logical ID	Status	Status reason
2024-01-20 18:05:11 UTC+0530	module07	CREATE_COMPLETE	-
2024-01-20 18:05:07 UTC+0530	RDSDBInstance	CREATE_COMPLETE	-
2024-01-20 18:00:26 UTC+0530	NATRoute	CREATE_COMPLETE	-
2024-01-20 18:00:26 UTC+0530	NATRoute	CREATE_IN_PROGRESS	Resource creation Initiated
2024-01-20 18:00:24 UTC+0530	NATRoute	CREATE_IN_PROGRESS	-

us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks/events?stackId=arn%3Aaws%3Acloudformation%3Aus-east-1%3A215598304684%3Astack%2...

CloudFormation > Stacks > module07

Stacks (2)

Filter status: Active View nested

Stacks

- module07  
2024-01-20 17:58:10 UTC+0530  
CREATE\_COMPLETE
- CDKToolkit  
2024-01-04 23:04:10 UTC+0530  
CREATE\_COMPLETE

Events (68)

Search events

Timestamp	Logical ID	Status	Status reason
2024-01-20 17:59:07 UTC+0530	MyDNSRecord	CREATE_IN_PROGRESS	Resource creation Initiated
2024-01-20 17:59:06 UTC+0530	MyDNSRecord	CREATE_IN_PROGRESS	-
2024-01-20 17:59:06 UTC+0530	LinuxPublic	CREATE_COMPLETE	-
2024-01-20 17:59:06 UTC+0530	LinuxPrivate	CREATE_COMPLETE	-
2024-01-20 17:59:05 UTC+0530	HostedZone	CREATE_COMPLETE	-
2024-01-20 17:58:40 UTC+0530	SubnetRouteTableAssociation	CREATE_COMPLETE	-
2024-01-20 17:58:39 UTC+0530	SubnetRouteTableAssociation	CREATE_IN_PROGRESS	Resource creation Initiated
2024-01-20 17:58:39 UTC+0530	SubnetRouteTableAssociation	CREATE_IN_PROGRESS	Resource creation Initiated

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us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks/events?stackId=arn%3Aaws%3Acloudformation%3Aus-east-1%3A215598304684%3Astack%2...

CloudFormation > Stacks > module07

Stacks (2)

Filter status: Active View nested

Stacks

- module07  
2024-01-20 17:58:10 UTC+0530  
CREATE\_COMPLETE
- CDKToolkit  
2024-01-04 23:04:10 UTC+0530  
CREATE\_COMPLETE

Events (68)

Search events

Timestamp	Logical ID	Status	Status reason
2024-01-20 17:58:40 UTC+0530	SubnetRouteTableAssociation	CREATE_COMPLETE	-
2024-01-20 17:58:39 UTC+0530	SubnetRouteTableAssociation	CREATE_IN_PROGRESS	Resource creation Initiated
2024-01-20 17:58:39 UTC+0530	SubnetRouteTableAssociationPrivate	CREATE_COMPLETE	-
2024-01-20 17:58:39 UTC+0530	PublicInternetRoute	CREATE_COMPLETE	-
2024-01-20 17:58:39 UTC+0530	SubnetRouteTableAssociationPrivate	CREATE_IN_PROGRESS	Resource creation Initiated
2024-01-20 17:58:39 UTC+0530	PublicInternetRoute	CREATE_IN_PROGRESS	Resource creation Initiated
2024-01-20 17:58:38 UTC+0530	PublicInternetRoute	CREATE_IN_PROGRESS	-
2024-01-20 17:58:38 UTC+0530	SubnetRouteTableAssociation	CREATE_IN_PROGRESS	Resource creation Initiated

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us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks/events?stackId=arn%3Aaws%3Acloudformation%3Aus-east-1%3A215598304684%3Astack%2...

CloudFormation > Stacks > module07

Stacks (2)

Filter status: Active View nested

Stacks

- module07  
2024-01-20 17:58:10 UTC+0530  
CREATE\_COMPLETE
- CDKToolkit  
2024-01-04 23:04:10 UTC+0530  
CREATE\_COMPLETE

Events (68)

Search events

Timestamp	Logical ID	Status	Status reason
2024-01-20 17:58:38 UTC+0530	SubnetRouteTableAssociationPrivate	CREATE_IN_PROGRESS	-
2024-01-20 17:58:38 UTC+0530	RDSDBInstance	CREATE_IN_PROGRESS	Resource creation Initiated
2024-01-20 17:58:37 UTC+0530	PublicRouteTable	CREATE_COMPLETE	-
2024-01-20 17:58:37 UTC+0530	RouteTablePrivate	CREATE_COMPLETE	-
2024-01-20 17:58:34 UTC+0530	LinuxPublic	CREATE_IN_PROGRESS	Resource creation Initiated
2024-01-20 17:58:34 UTC+0530	RDSDBInstance	CREATE_IN_PROGRESS	-
2024-01-20 17:58:34 UTC+0530	LinuxPrivate	CREATE_IN_PROGRESS	Resource creation Initiated
2024-01-20 17:58:33	RDSDBSubnetGroup	CREATE_COMPLETE	-

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us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#database-id=dbassessment12;is-cluster=false

Amazon RDS

RDS > Databases > dbassessment12

dbassessment12

Summary

DB identifier dbassessment12	Status Available	Role Instance	Engine MySQL Community	Recommendations
CPU 4.10%	Class db.t2.micro	Current activity 0 Connections	Region & AZ us-east-1b	

Connectivity & security

Endpoint & port Endpoint dbassessment12.c1go0cimyaoc.us-east-1b.rds.amazonaws.com Port 3306	Networking Availability Zone us-east-1b	Security VPC security groups rds-ec2-3 (sg-09b547548a286f7d5)
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us-east-1.console.aws.amazon.com/ids/home?region=us-east-1#databaseid=dbassessment12;is-cluster=false

us-east-1.console.aws.amazon.com/ids/home?region=us-east-1#databaseid=dbassessment12;is-cluster=false

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Amazon RDS

Dashboard

Databases

Query Editor

Performance insights

Snapshots

Exports in Amazon S3

Automated backups

Reserved instances

Proxies

Subnet groups

Parameter groups

Option groups

Custom engine versions

Zero-ETL integrations New

Events

You don't have any proxies.

Create proxy

Security group rules (3)

Filter by Security group rules

Security group	Type	Rule
module07-InstanceSecurityGroupDataBase-116EENOVHROIQY (sg-02e43ddd1b74c0a80)	CIDR/IP - Inbound	10.10.2.0/24
module07-InstanceSecurityGroupDataBase-116EENOVHROIQY (sg-02e43ddd1b74c0a80)	CIDR/IP - Outbound	0.0.0.0/0
rds-ec2-3 (sg-09b547548a286f7d5)	EC2 Security Group - Inbound	sg-09f0d3a9d148be004

Replication (1)

Filter by Replication

DB identifier	Role	Region & AZ	Replication source	Replication state	Lag
dbassessment12	Instance	us-east-1b	-	-	-

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us-east-1.console.aws.amazon.com/ids/home?region=us-east-1#databaseid=dbassessment12;is-cluster=false

us-east-1.console.aws.amazon.com/ids/home?region=us-east-1#databaseid=dbassessment12;is-cluster=false

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Amazon RDS

Dashboard

Databases

Query Editor

Performance insights

Snapshots

Exports in Amazon S3

Automated backups

Reserved instances

Proxies

Subnet groups

Parameter groups

Option groups

Custom engine versions

Zero-ETL integrations New

Events

subnet-0ee6f7282b06e1586

Network type

IPv4

rds-ca-2019

Certificate authority date

August 22, 2024, 22:38 (UTC+05:30)

DB instance certificate expiration date

⚠ August 22, 2024, 22:38 (UTC+05:30)

Connected compute resources (1) Info

Connections to compute resources that were created automatically by RDS are shown here. Connections to compute resources that were created manually aren't shown.

Filter by compute resources

Resource identifier	Resource type	Availability Zone	VPC security group	Compute resource security group	Connected pr
i-07a56887188dd60d9	EC2 instance	us-east-1a	rds-ec2-3	ec2-rds-3	-

Proxies (0)

Filter by proxies

Create proxy

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EC2 Dashboard

EC2 Global View

Events

Console-to-Code

Preview

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

New

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Instances (1/1) info

Find Instance by attribute or tag (case-sensitive)

i-07a56887188dd60d9

Clear filters

< 1 >

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
<input checked="" type="checkbox"/>	LinuxPublic	i-07a56887188dd60d9	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a	ec2-44-212-12-254.compute-1.amazonaws.com

Instance: i-07a56887188dd60d9 (LinuxPublic)

DetailsStatus and alarms newMonitoringSecurityNetworkingStorageTags

Instance summary info

Instance ID

i-07a56887188dd60d9 (LinuxPublic)

Public IPv4 address

44.212.12.254 [open address](#)

Private IPv4 addresses

10.10.1.204

IPv6 address

-

Instance state

Running

Public IPv4 DNS

ec2-44-212-12-254.compute-1.amazonaws.com [open address](#)

Hostname type

-

Private IP DNS name (IPv4 only)

-

Waiting for us-east-1.console.aws.amazon.com...

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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-07a56887188dd60d9&osUser=ec2-user&sshPort=22#

Search

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Last login: Sat Jan 20 12:40:27 2024 from ec2-18-206-107-29.compute-1.amazonaws.com

```
 _ _ | _ _ |
 _ | ( _ _ ) /
 _ | \ _ _ | _ |

Amazon Linux 2 AMI

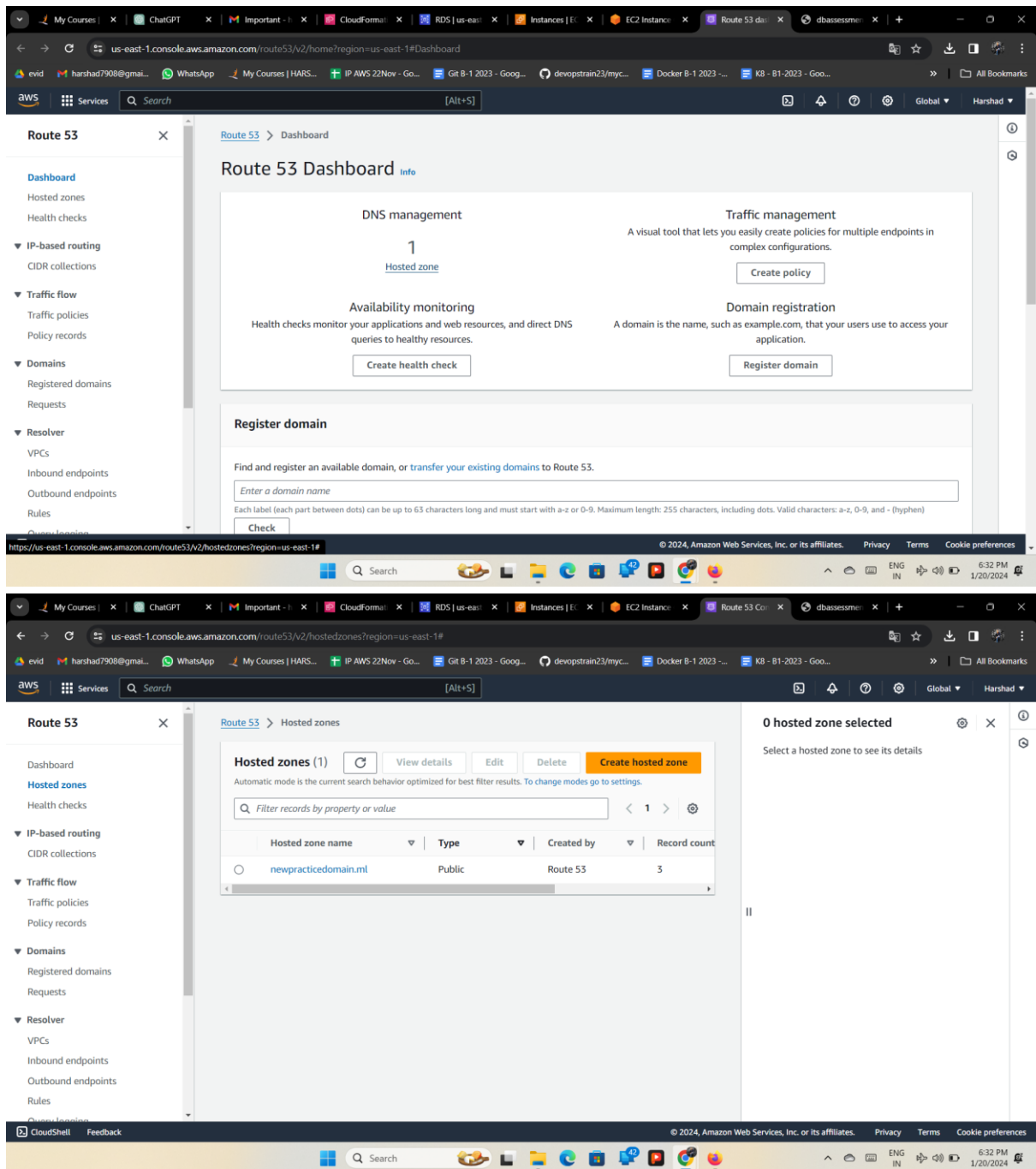
https://aws.amazon.com/amazon-linux-2/
47 package(s) needed for security, out of 79 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-10-10-1-204 ~]$
```

i-07a56887188dd60d9 (LinuxPublic)

PublicIPs: 44.212.12.254 PrivateIPs: 10.10.1.204

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us-east-1.console.aws.amazon.com/route53/v2/hostedzones?region=us-east-1#ListRecordSets/Z09878232Y2S8FJDXPEMD

### Route 53

- Dashboard
- Hosted zones
- Health checks
- IP-based routing
  - CIDR collections
- Traffic flow
  - Traffic policies
  - Policy records
- Domains
  - Registered domains
  - Requests
- Resolver
  - VPCs
  - Inbound endpoints
  - Outbound endpoints
  - Rules

#### Hosted zone details

Edit hosted zone

Records (3) | DNSSEC signing | Hosted zone tags (0)

Records (3) [Info](#) [Delete record](#) [Import zone file](#) [Create record](#)

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

Filter records by property or value Type Routing policy Alias

Record	Type	Routin...	Differ...	Alias	Value/Route t
newpracti...	NS	Simple	-	No	ns-1036.awsdn ns-446.awsdns ns-1788.awsdn ns-861.awsdns
newpracti...	SOA	Simple	-	No	ns-1036.awsdn
www.new...	A	Simple	-	No	44.212.12.254

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#VpcDetailsVpcId=vpc-0565ee0e2816aeee0

### Virtual private cloud

- Subnets
- Route tables
- Internet gateways
- Egress-only internet gateways
- Carrier gateways
- DHCP option sets
- Elastic IPs
- Managed prefix lists
- Endpoints
- Endpoint services
- NAT gateways
- Peering connections

#### Resource map

Info

VPC [Show details](#)  
Your AWS virtual network:  
VPCAssessment

Subnets (2)  
Subnets within this VPC

- us-east-1a
  - PublicSubnetAssessment
- us-east-1b
  - PrivateSubnetAssessment

Route tables (3)  
Route network traffic to resources

- RouteTablePublicSubnet
- rtb-0afb8923d030aa777
- RouteTablePrivateSubnet



us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#VpcDetails:VpcId=vpc-0565ee0e2816ae00

VPC dashboard  
EC2 Global View  
Filter by VPC:  
Select a VPC

Virtual private cloud  
Your VPCs  
Subnets  
Route tables  
Internet gateways  
Egress-only internet gateways  
Carrier gateways  
DHCP option sets  
Elastic IPs  
Managed prefix lists  
Endpoints  
Endpoint services  
NAT gateways  
Peering connections

### vpc-0565ee0e2816ae00 / VPCAssessment

Details Info

VPC ID vpc-0565ee0e2816ae00	State Available	DNS hostnames Enabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-0c607e0367a9fca2a	Main route table rtb-0afb8923d030aa777	Main network ACL acl-0282930b8d1fc8d8e
Default VPC No	IPv4 CIDR 10.10.0.0/16	IPv6 pool -	IPv6 CIDR (Network border group) -
Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups -	Owner ID 215598304684	

Resource map CIDRs Flow logs Tags Integrations

Resource map Info

VPC Show details Subnets (2) Route tables (3) Net

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#subnets

VPC dashboard  
EC2 Global View  
Filter by VPC:  
Select a VPC

Virtual private cloud  
Your VPCs  
Subnets  
Route tables  
Internet gateways  
Egress-only internet gateways  
Carrier gateways  
DHCP option sets  
Elastic IPs  
Managed prefix lists  
Endpoints  
Endpoint services  
NAT gateways  
Peering connections

### Subnets (2/9) Info

Find resources by attribute or tag

Name	Subnet ID	State	VPC	IPv4 CIDR
<input type="checkbox"/> RDS-Pvt-subnet-4	subnet-080585f87d2510f1a	Available	vpc-0598dcacac9da7a	10.10.2.128/25
<input checked="" type="checkbox"/> PublicSubnetAssessment	subnet-0d309408647a29127	Available	vpc-0565ee0e2816ae00   VPC...	10.10.1.0/24
<input type="checkbox"/> RDS-Pvt-subnet-2	subnet-0a597018cd7ccf74e	Available	vpc-0598dcacac9da7a	10.10.1.128/25
<input checked="" type="checkbox"/> PrivateSubnetAssessment	subnet-0ee6f7282b06e1586	Available	vpc-0565ee0e2816ae00   VPC...	10.10.2.0/24
<input type="checkbox"/> RDS-Pvt-subnet-3	subnet-0ace92a58126ab744	Available	vpc-0598dcacac9da7a	10.10.2.0/25
<input type="checkbox"/> RDS-Pvt-subnet-1	subnet-080e1dabb7bdf4113	Available	vpc-0598dcacac9da7a	10.10.1.0/25

Subnets: subnet-0d309408647a29127, subnet-0ee6f7282b06e1586



My Course

ChatGPT

Important

CloudForm

RouteTabl

RDS | us

Instances

EC2 Insta

newpracti

www.new

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#RouteTables

aws Services Search [Alt+S]

VPC dashboard

EC2 Global View

Filter by VPC: Select a VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

Route tables (2/6) info

Find resources by attribute or tag

Name

Route table ID

Explicit subnet associati...

Edge associations

Main

VPC

☒

RouteTablePublicSubnet

rtb-0d5b9159bea4cc72f

subnet-0d309408647a29...

-

No

vpc-0565ee0e2816ae...

☐

-

rtb-0afb8923d030aa777

-

-

Yes

vpc-0565ee0e2816ae...

☒

RouteTablePrivateSubnet

rtb-06f2ad0a35e403950

subnet-0ee6f7282b06e1...

-

No

vpc-0565ee0e2816ae...

☐

RDS-Pvt-rt

rtb-0f2fbb05778c7a5e2

5 subnets

-

No

vpc-0598dcaccca9da7...

☐

-

rtb-0e1d39f113d24f463

-

-

Yes

vpc-0c9936ef4bd87a7f...

☐

-

rtb-031cf17a49965a8b9

-

-

Yes

vpc-0598dcaccca9da7...

CloudShell

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