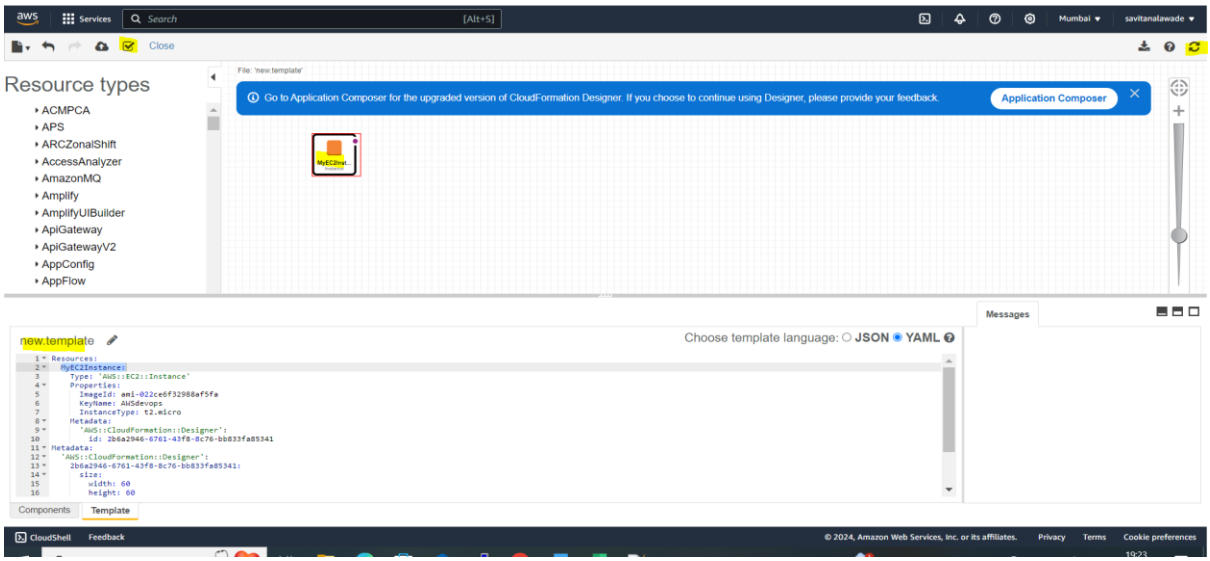
CloudFormation 27th_Sep_2024 SavitaNalawade

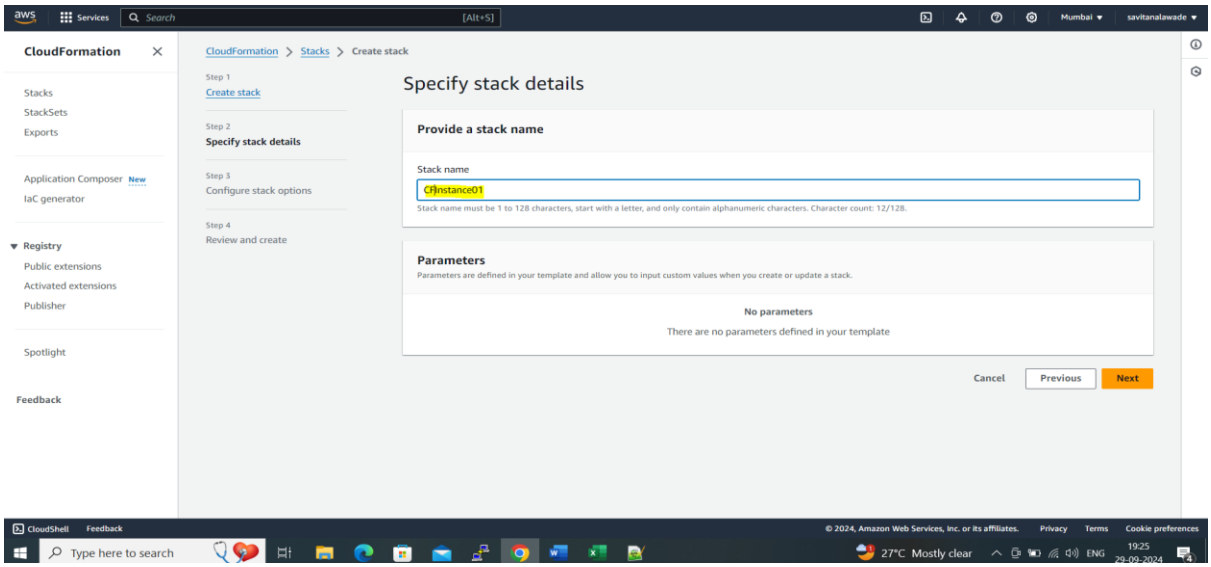
CloudFormation:

- AWS CloudFormation is a service provided by AWS that enables users to model and manage infrastructure resources in an automated and secure manner.
- Using CloudFormation, developers can define and provision AWS infrastructure resources
- In Cloudformation we can use JSON- or YAML Language to code.

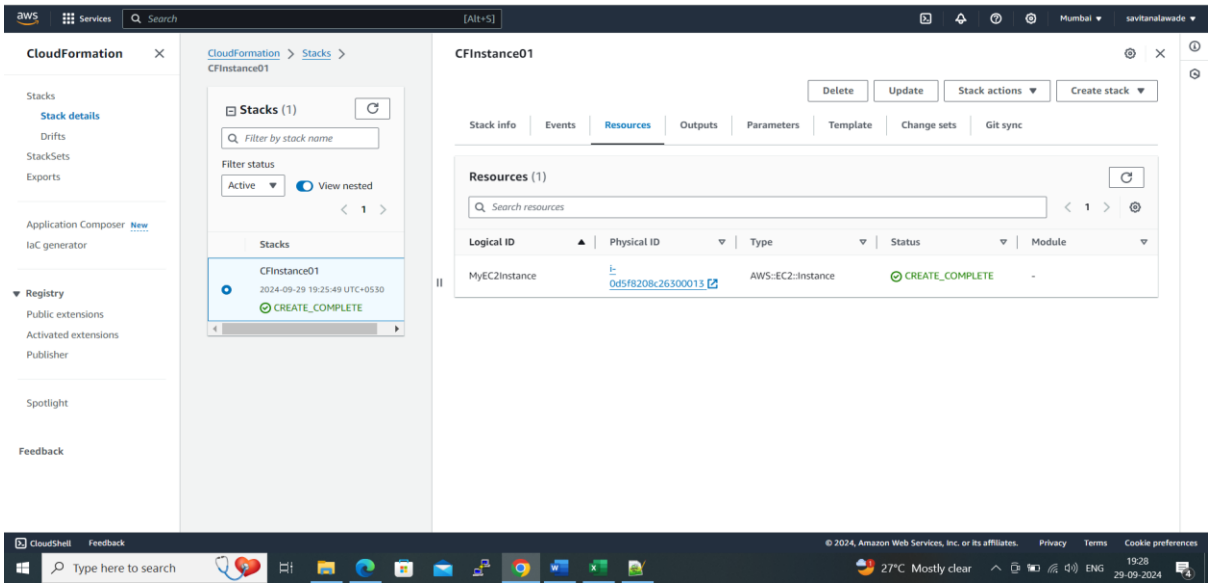
1) Create instance through CF write code in template ->refresh->Validate template



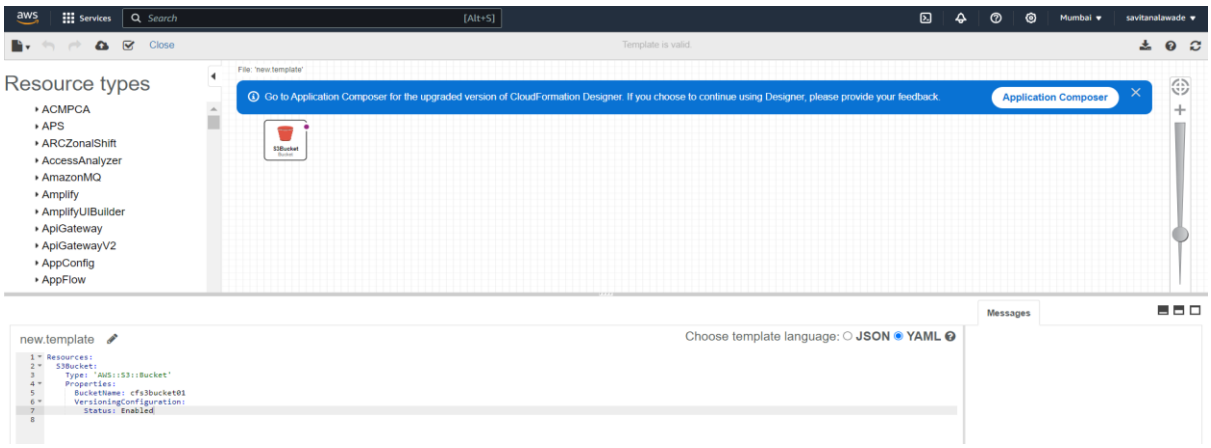
Create Stack



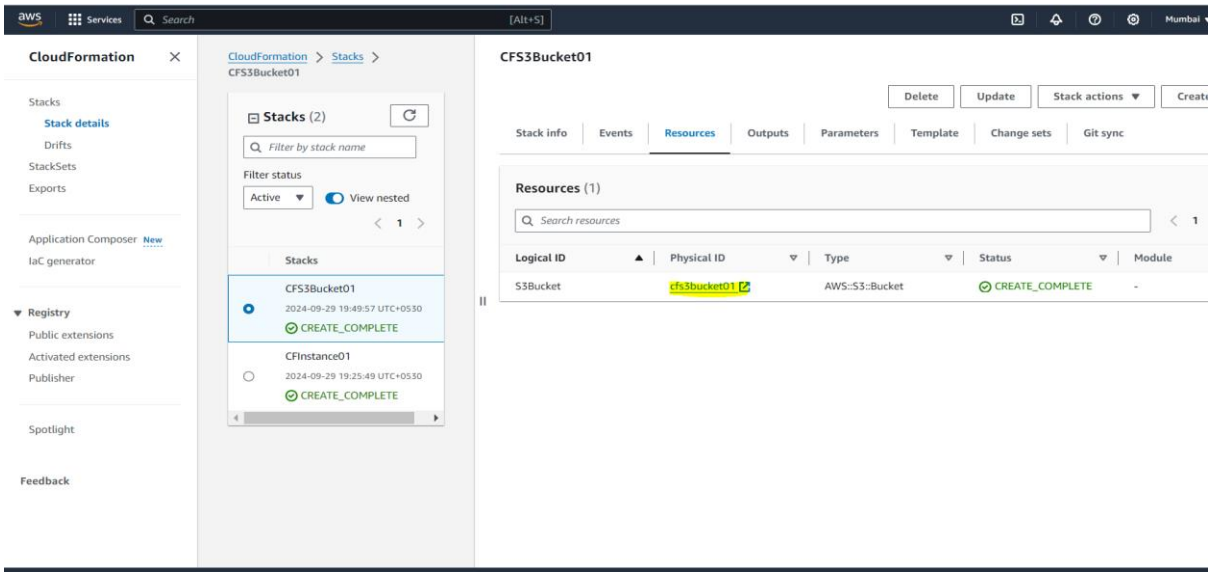
Instance have been created



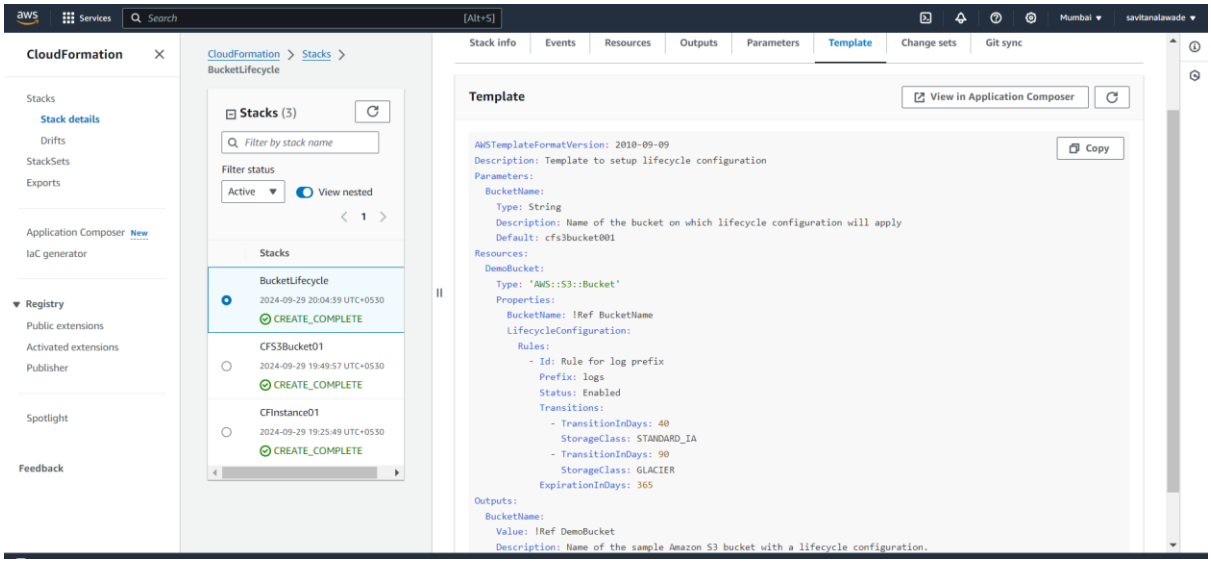
2)Create S3 Bucket

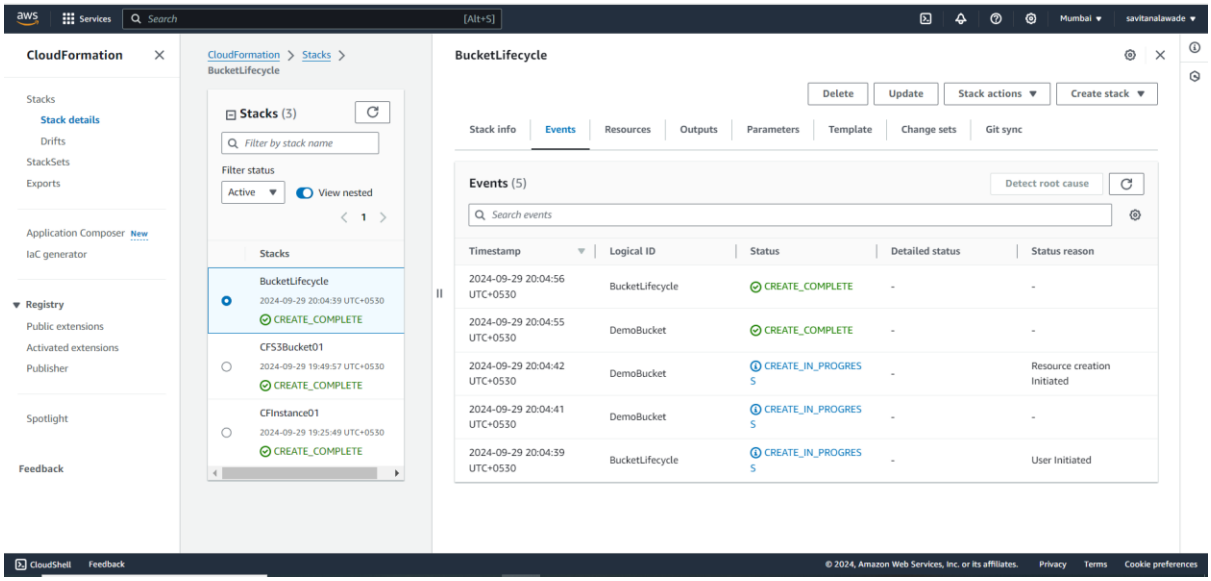


Bucket is created

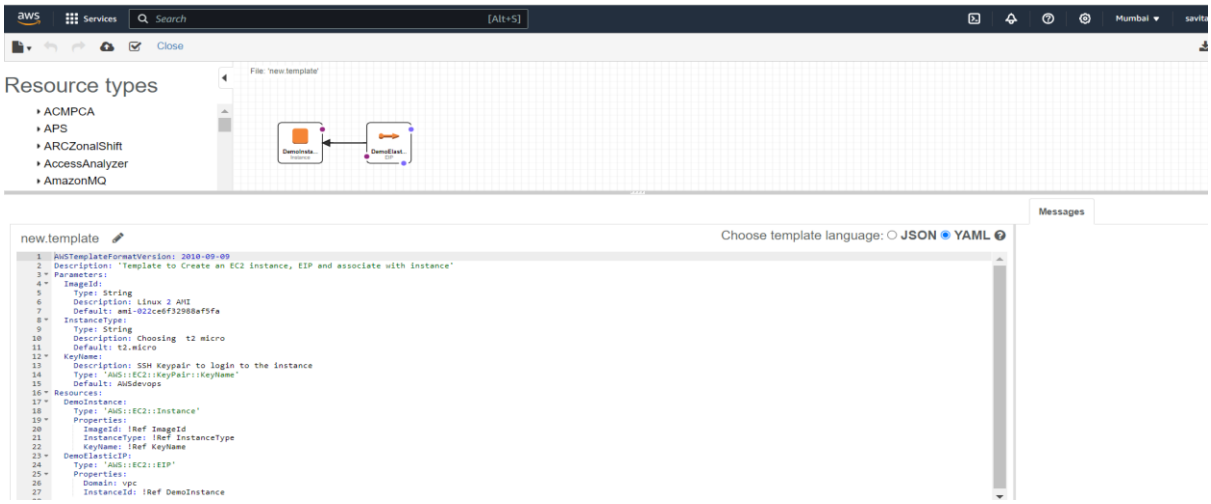


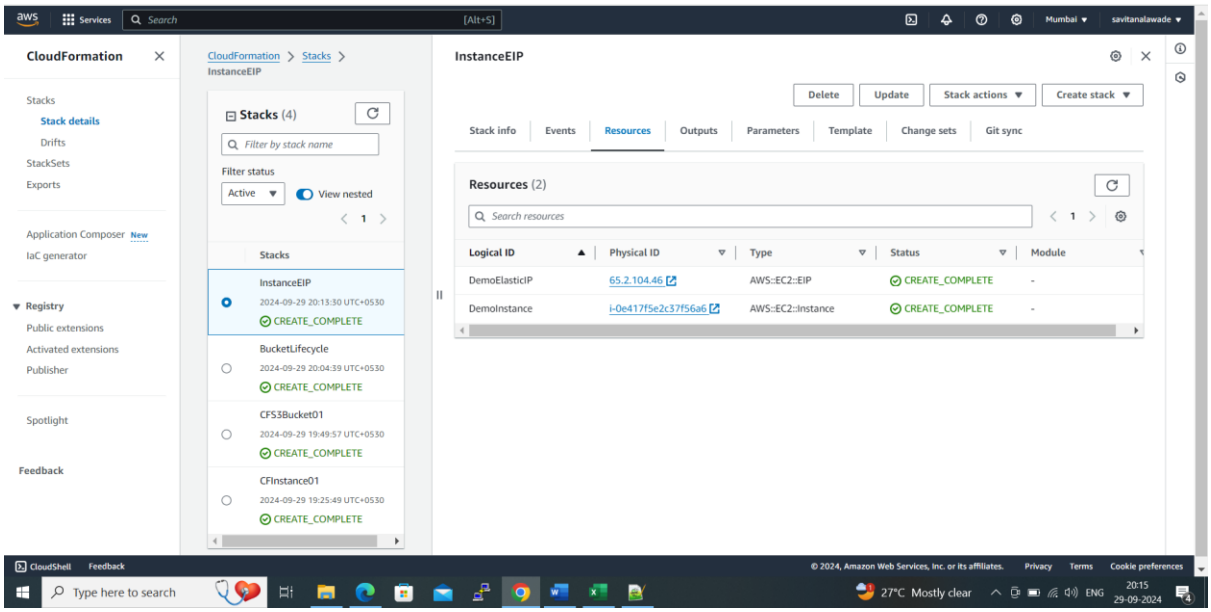
3) Template to setup lifecycle configuration



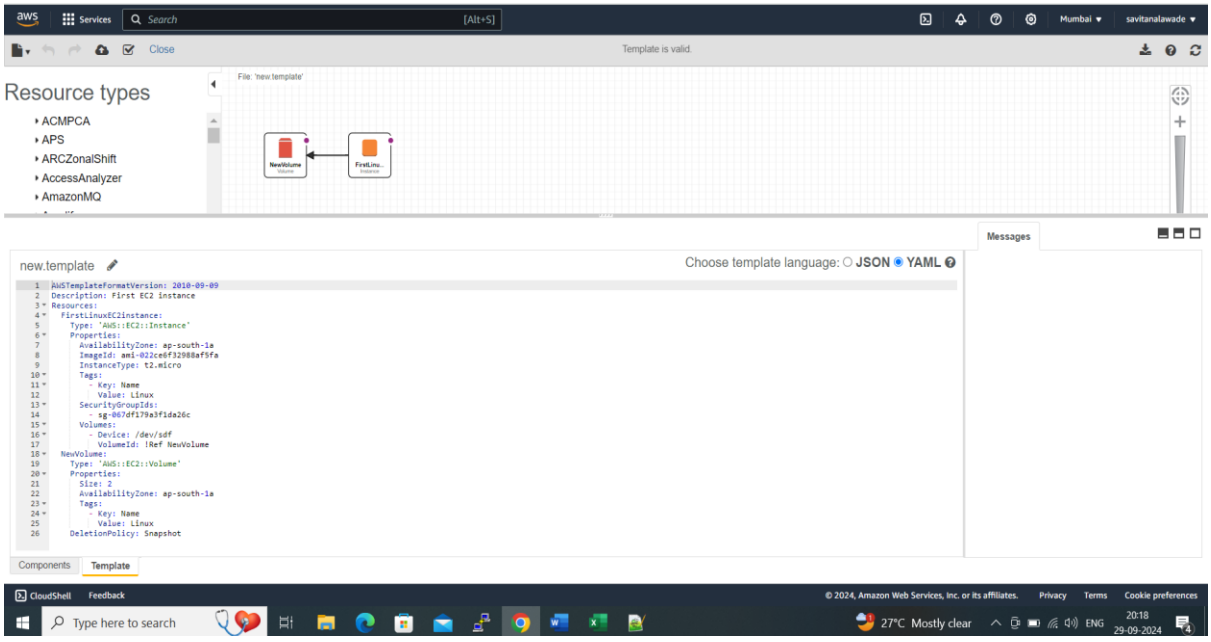


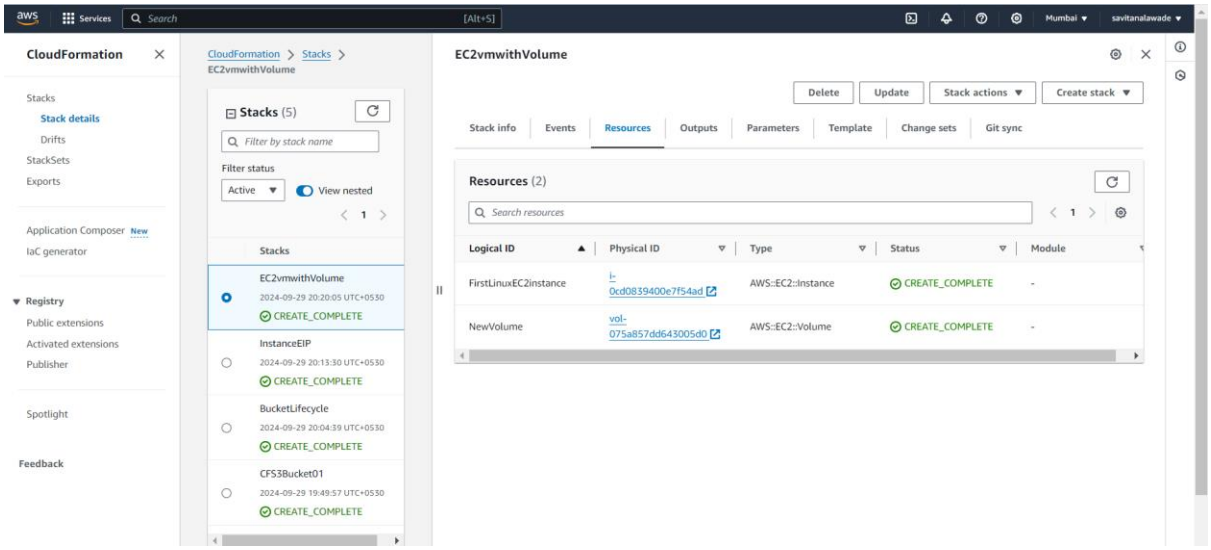
4) Create an EC2 instance, EIP and associate with instance



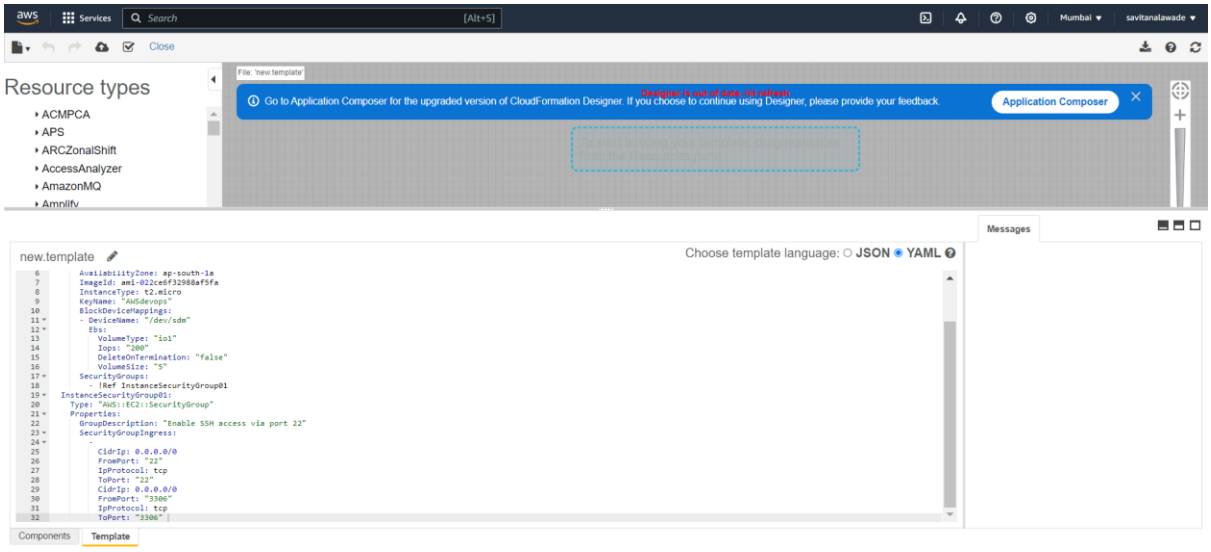


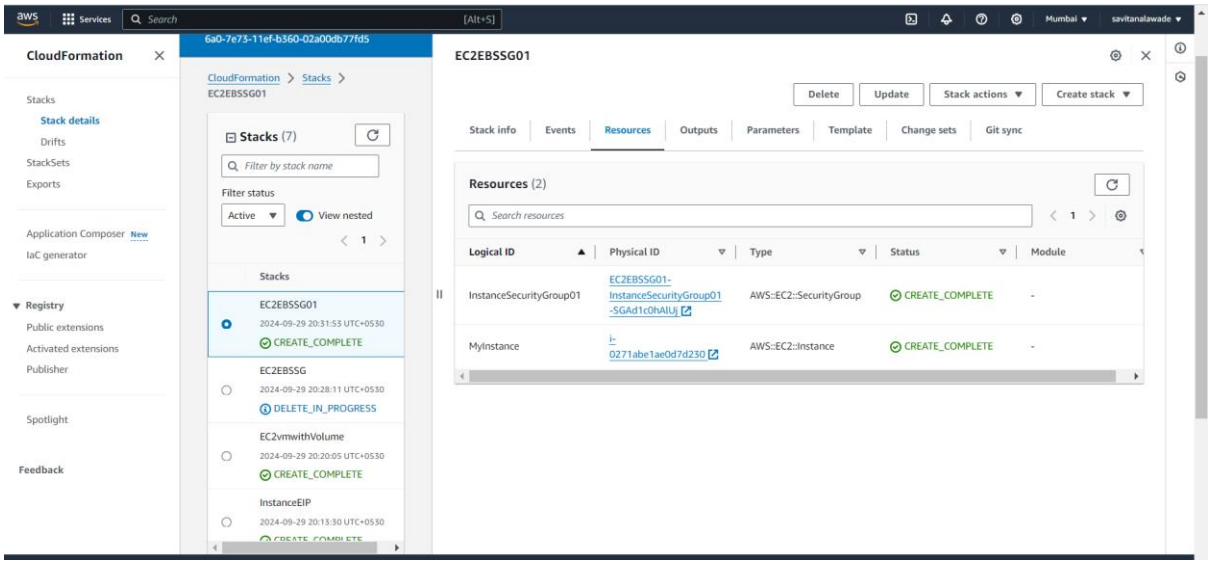
5) EC2 Instance with EBS Volume



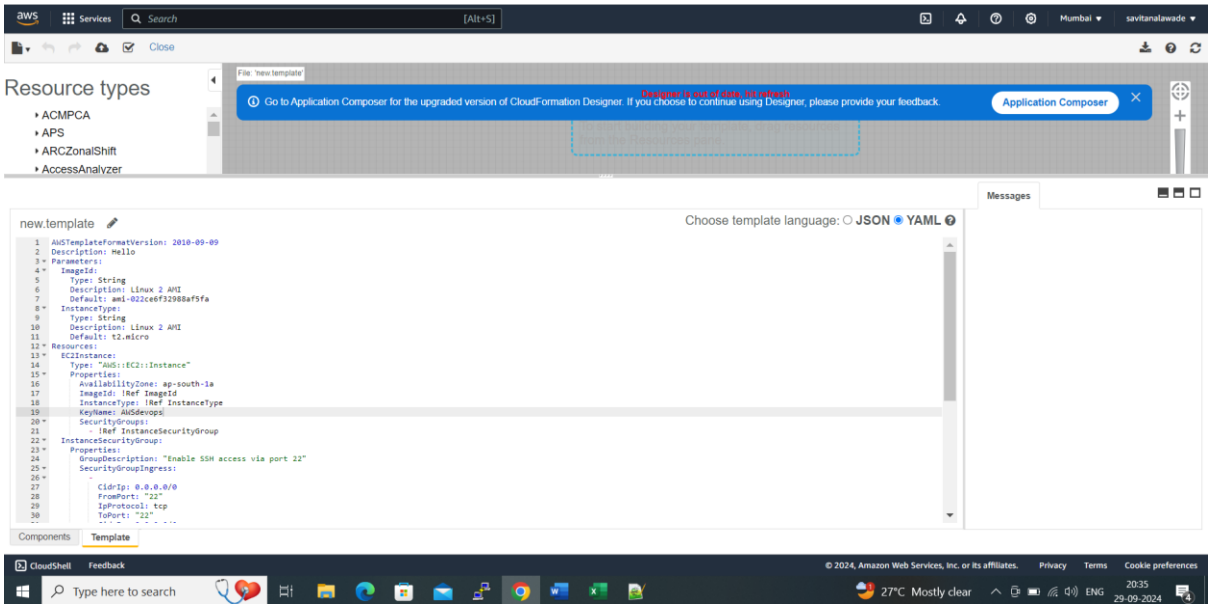


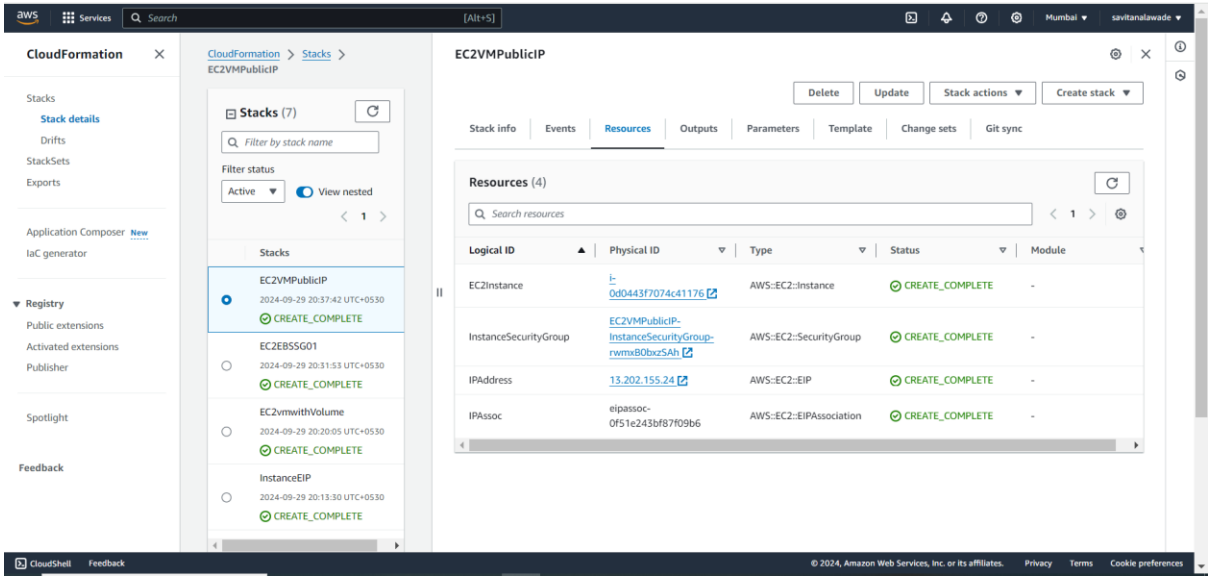
6) EC2 with EBS Volume + Secuirty Group



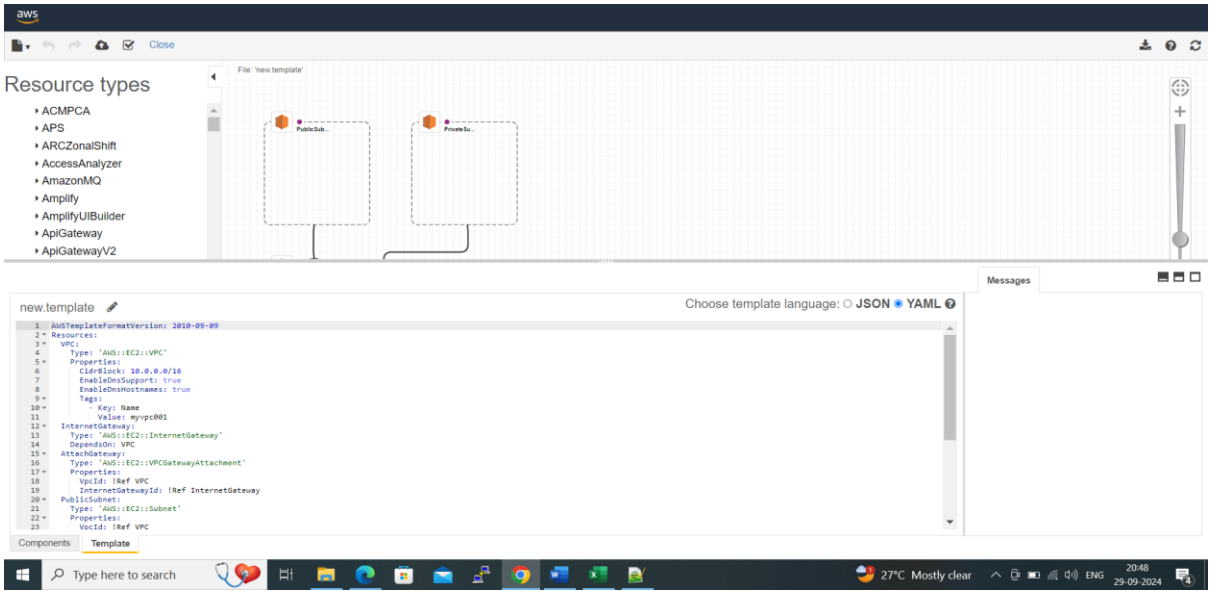


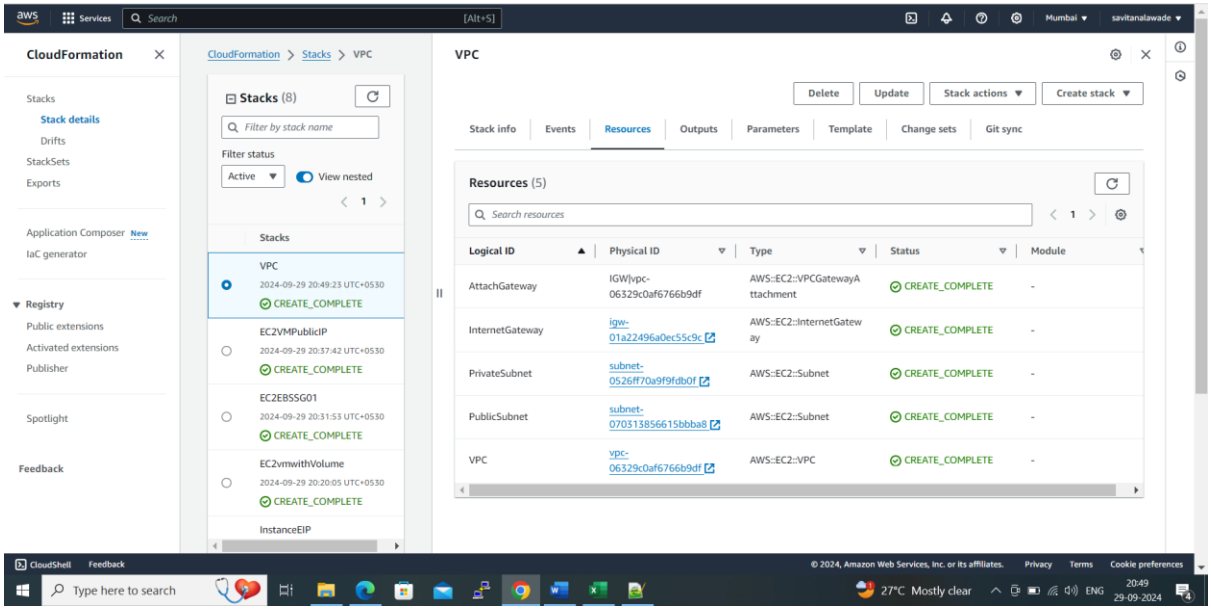
7)Create EC2 instance & update security group and Public IP address of the newly created EC2 instance



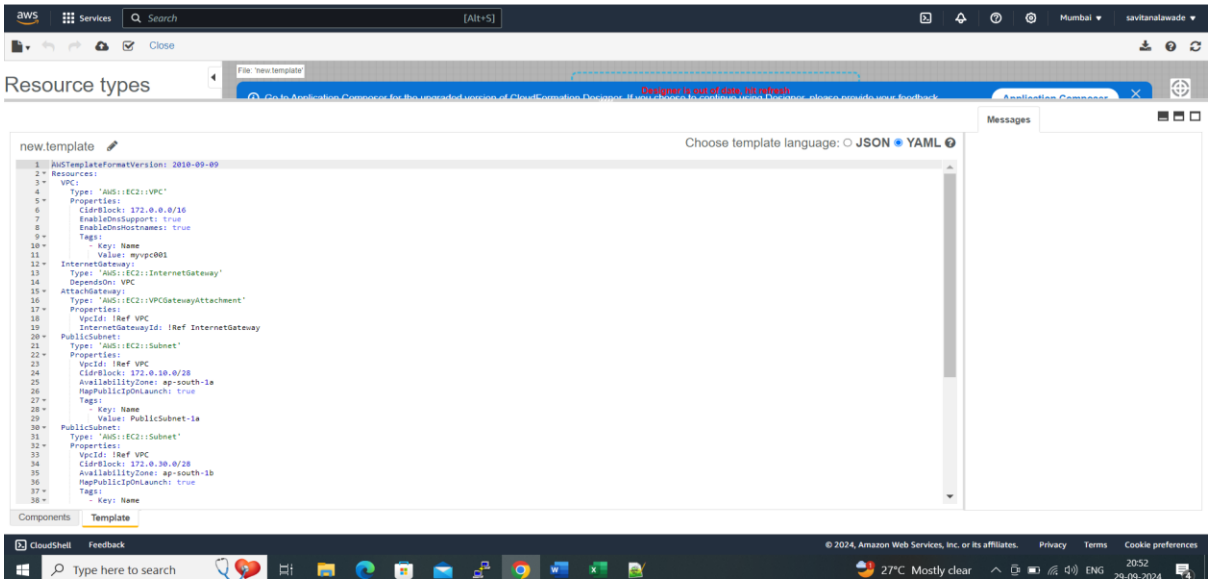


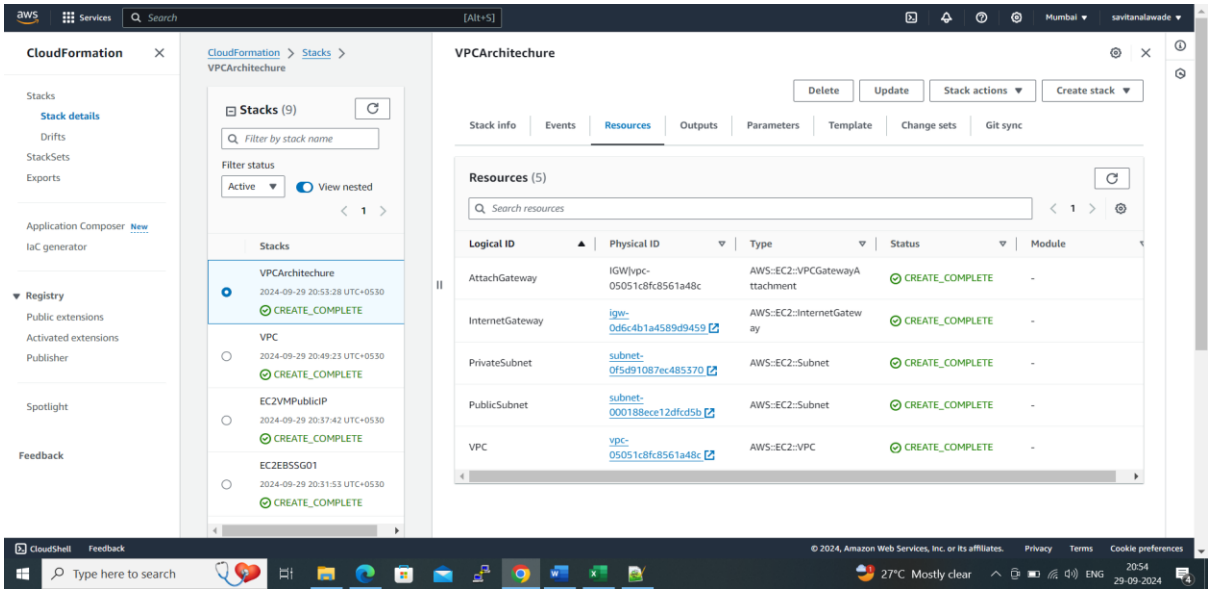
8)Create VPC



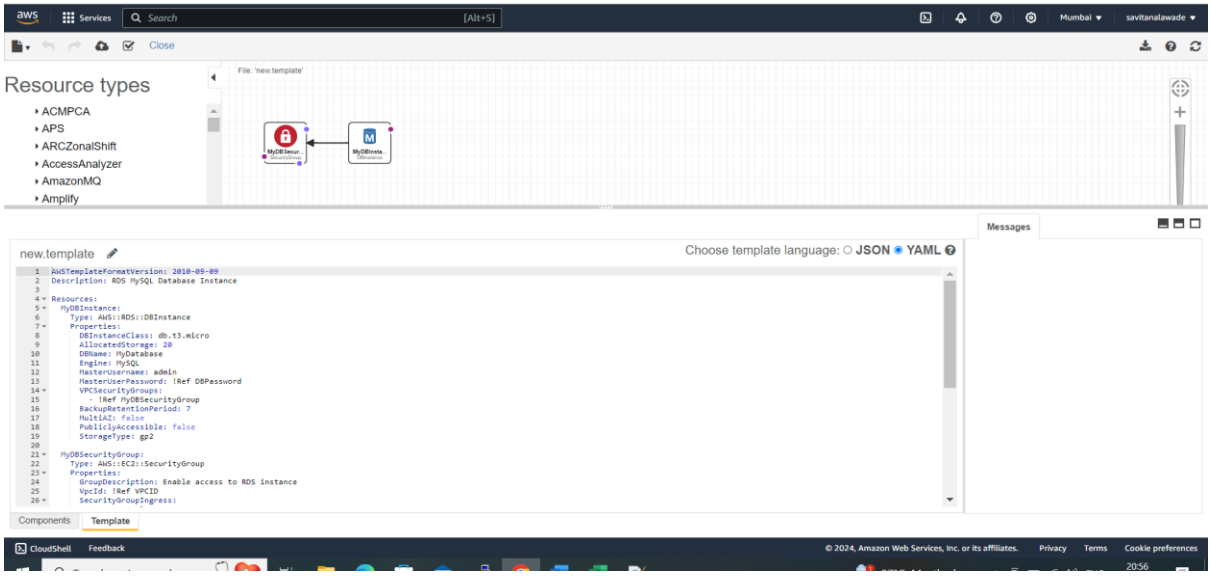


9)VPC Architecture

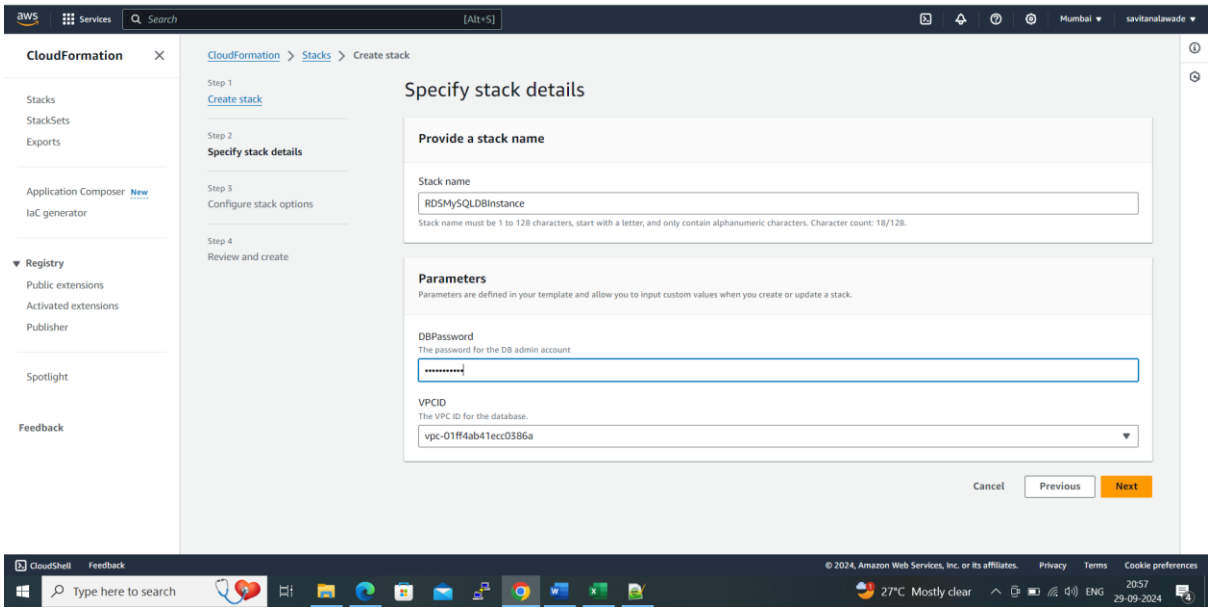




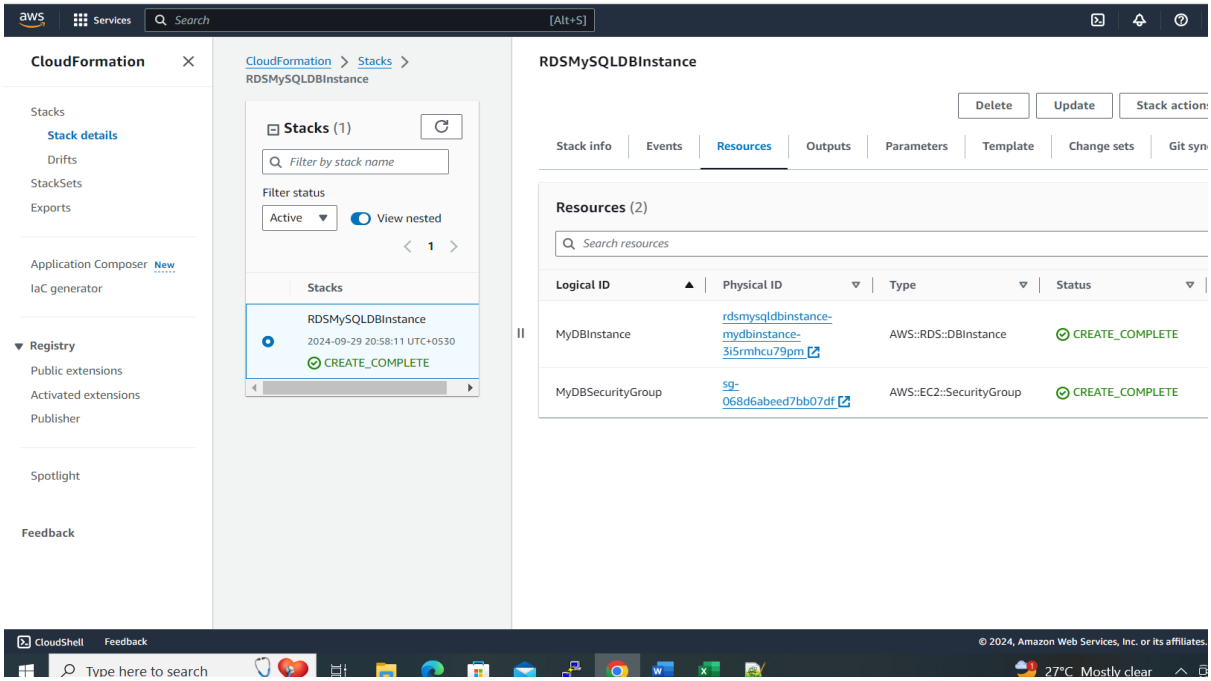
10)Create RDS MySQL Database Instance

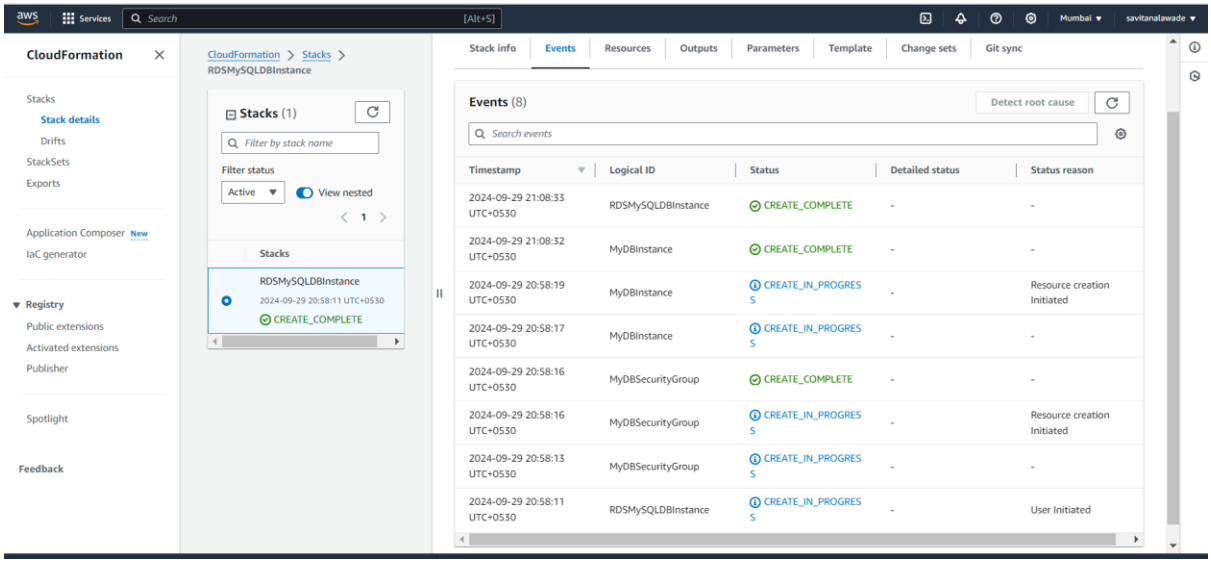


Specify stack details



DBInstance and Security group are created




aws
Services
Search
[Alt+S]
Mumbai
savitanalawade
CloudFormation
Stacks
Stack details
Drifts
StackSets
Exports
Application Composer New
IaC generator
Registry
Public extensions
Activated extensions
Publisher
Spotlight
Feedback
CloudFormation > Stacks > RDSMySQLDBInstance
Stacks (1)
Filter by stack name
Filter status
Active
View nested
1
Stacks
RDSMySQLDBInstance
2024-09-29 20:58:11 UTC+0530
CREATE_COMPLETE
Stack info
Events
Resources
Outputs
Parameters
Template
Change sets
Git sync
Events (8)
Detect root cause
Search events
Timestamp
Logical ID
Status
Detailed status
Status reason
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2024-09-29 21:08:32 UTC+0530
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-
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MyDBInstance
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-
Resource creation Initiated
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MyDBInstance
CREATE_IN_PROGRESS
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-
2024-09-29 20:58:16 UTC+0530
MyDBSecurityGroup
CREATE_COMPLETE
-
-
2024-09-29 20:58:16 UTC+0530
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MyDBSecurityGroup
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-
-
2024-09-29 20:58:11 UTC+0530
RDSMySQLDBInstance
CREATE_IN_PROGRESS
-
User Initiated

Thank You!