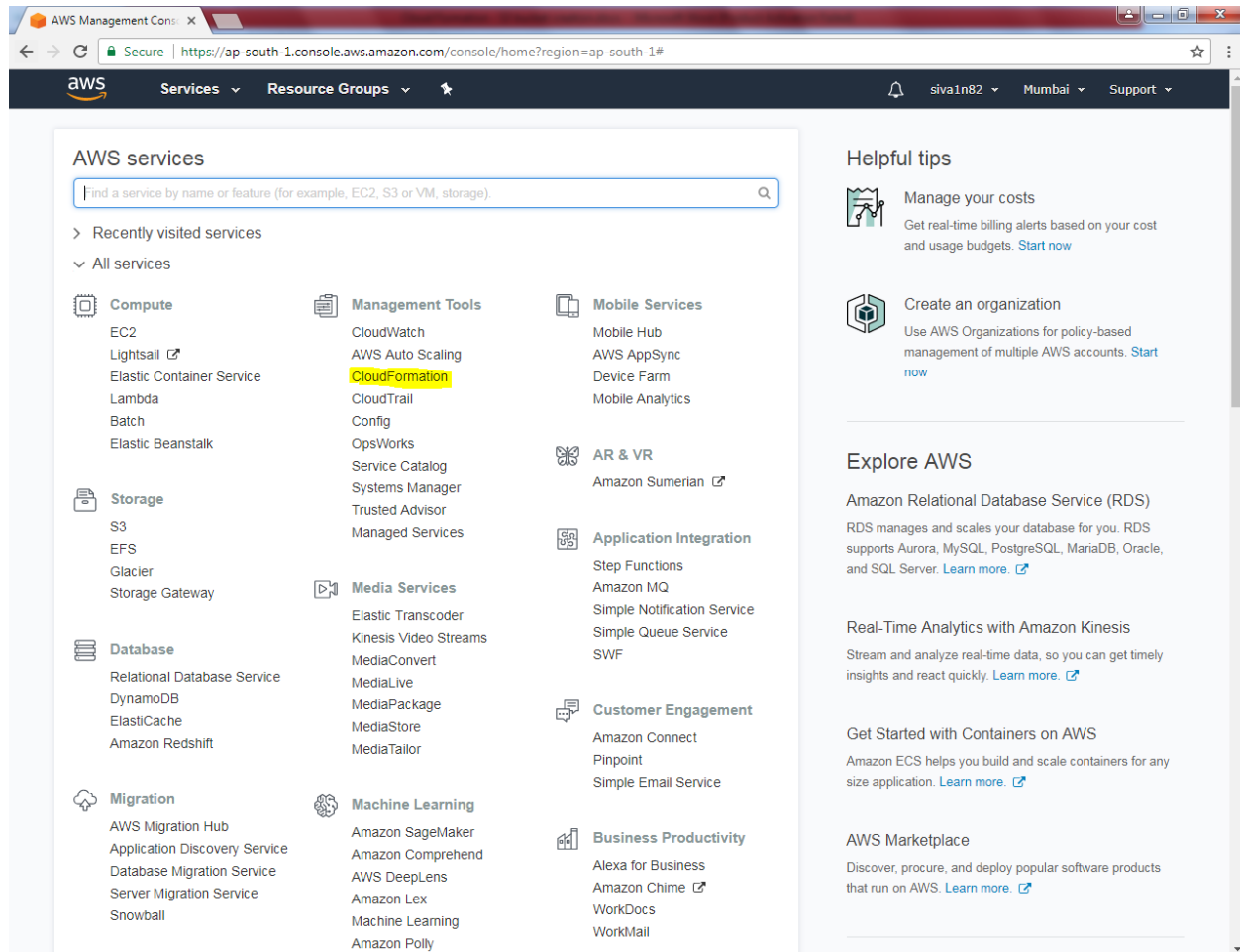
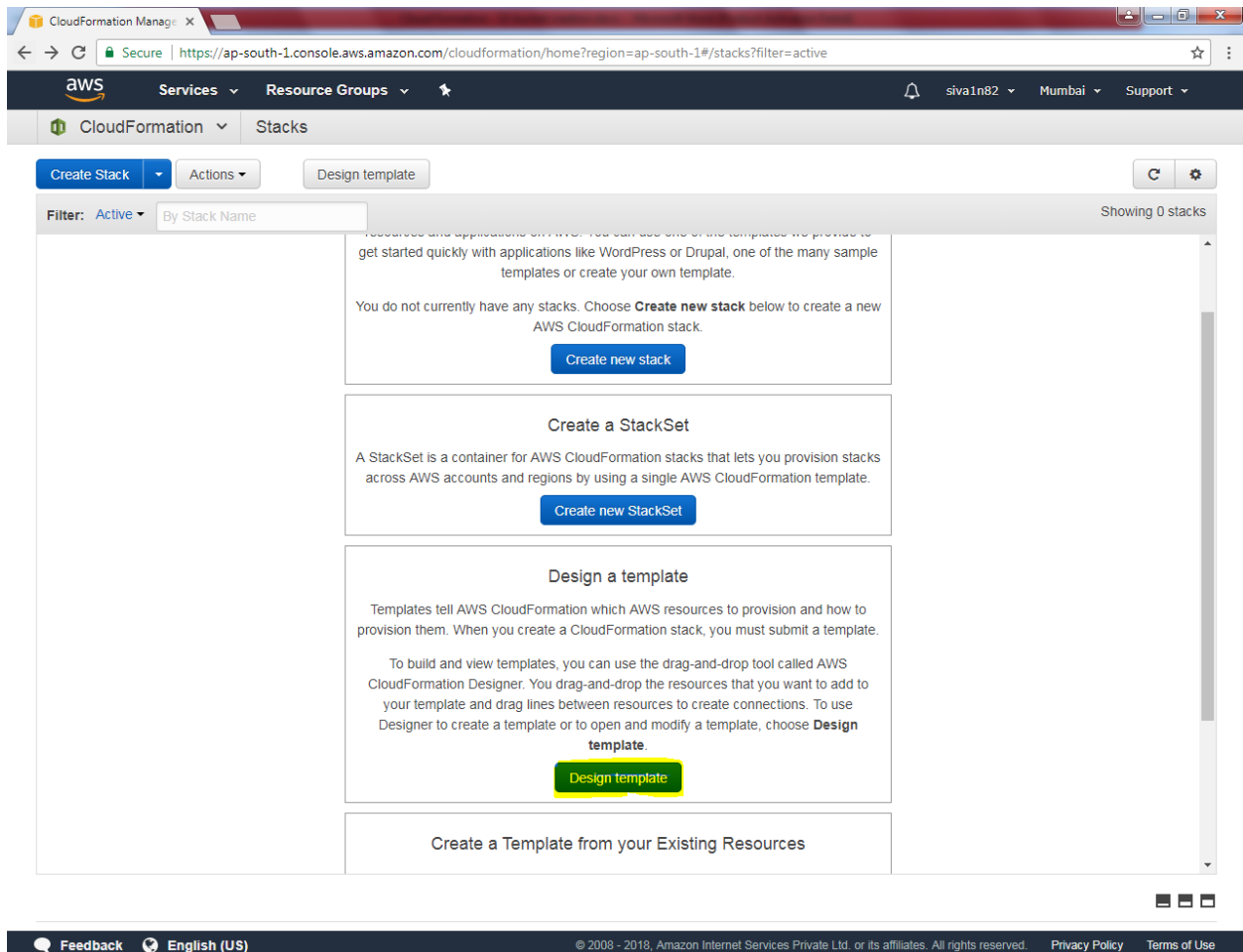


Lab20

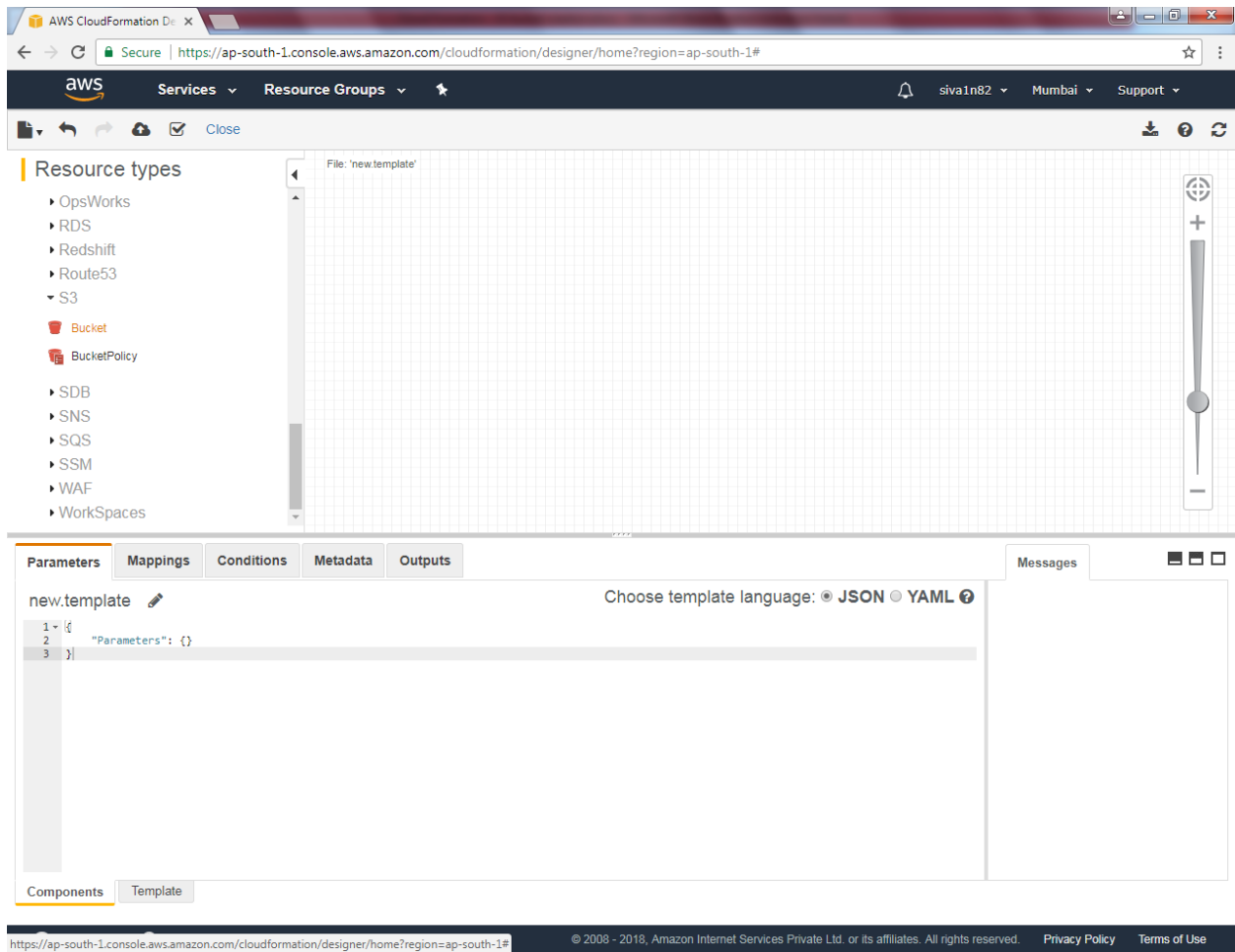
Cloud Formation – S3 bucket creation



Click “Design template”.



Select S3 and click “Bucket”.



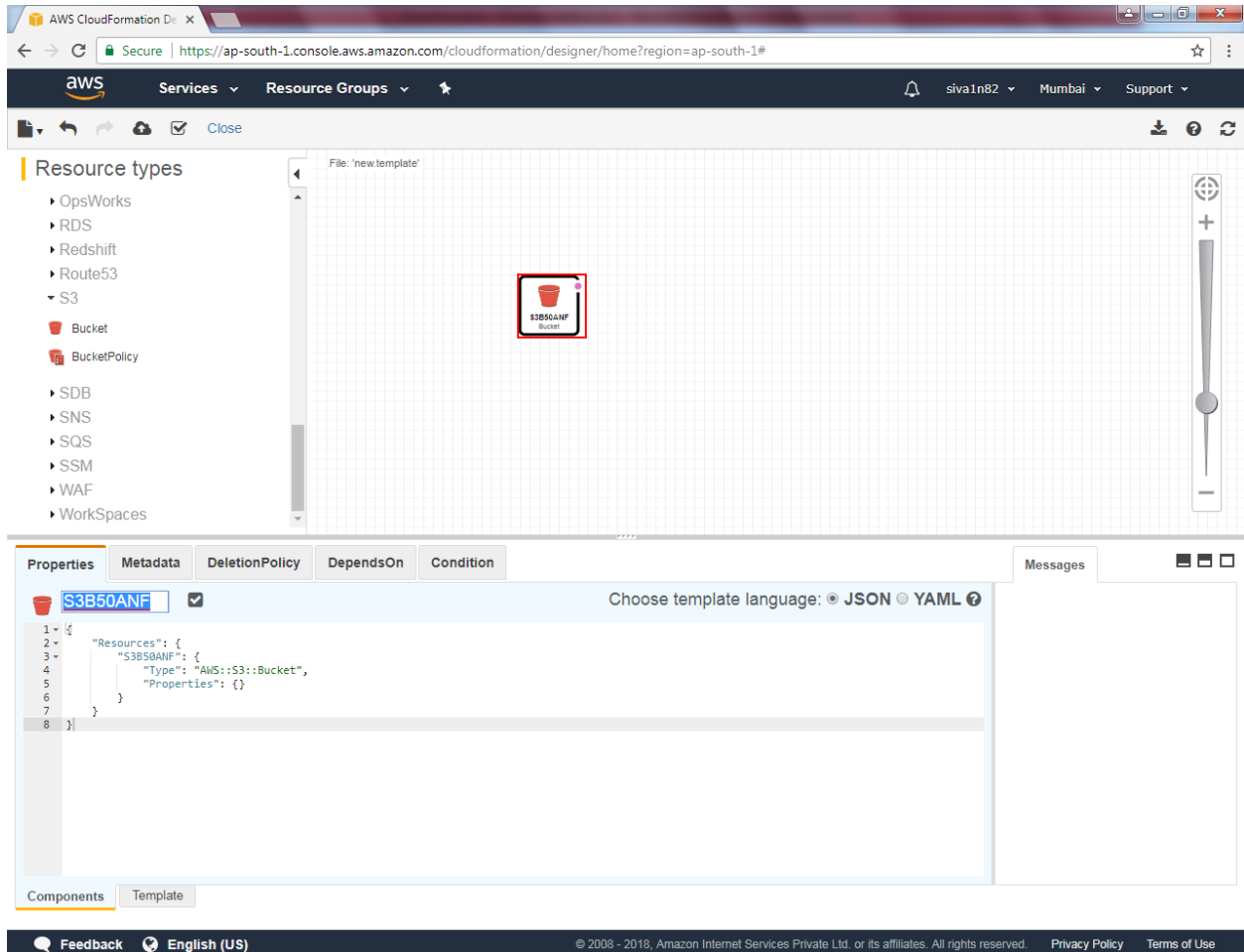
Drag bucket into designer.

The screenshot displays the AWS CloudFormation Designer web interface. The browser address bar shows the URL: <https://ap-south-1.console.aws.amazon.com/cloudformation/designer/home?region=ap-south-1#>. The interface includes a top navigation bar with the AWS logo, 'Services', 'Resource Groups', and user information. A left sidebar lists 'Resource types' such as OpsWorks, RDS, Redshift, Route53, S3, Bucket, BucketPolicy, SDB, SNS, SQS, SSM, WAF, and WorkSpaces. The main canvas, titled 'File: new.template', shows a grid where an 'S3B50ANF Bucket' icon is being placed. Below the canvas, the 'Properties' tab is active, displaying the JSON template for the 'S3B50ANF' resource. The template code is as follows:

```
1 {
2   "Resources": {
3     "S3B50ANF": {
4       "Type": "AWS::S3::Bucket",
5       "Properties": {}
6     }
7   }
8 }
```

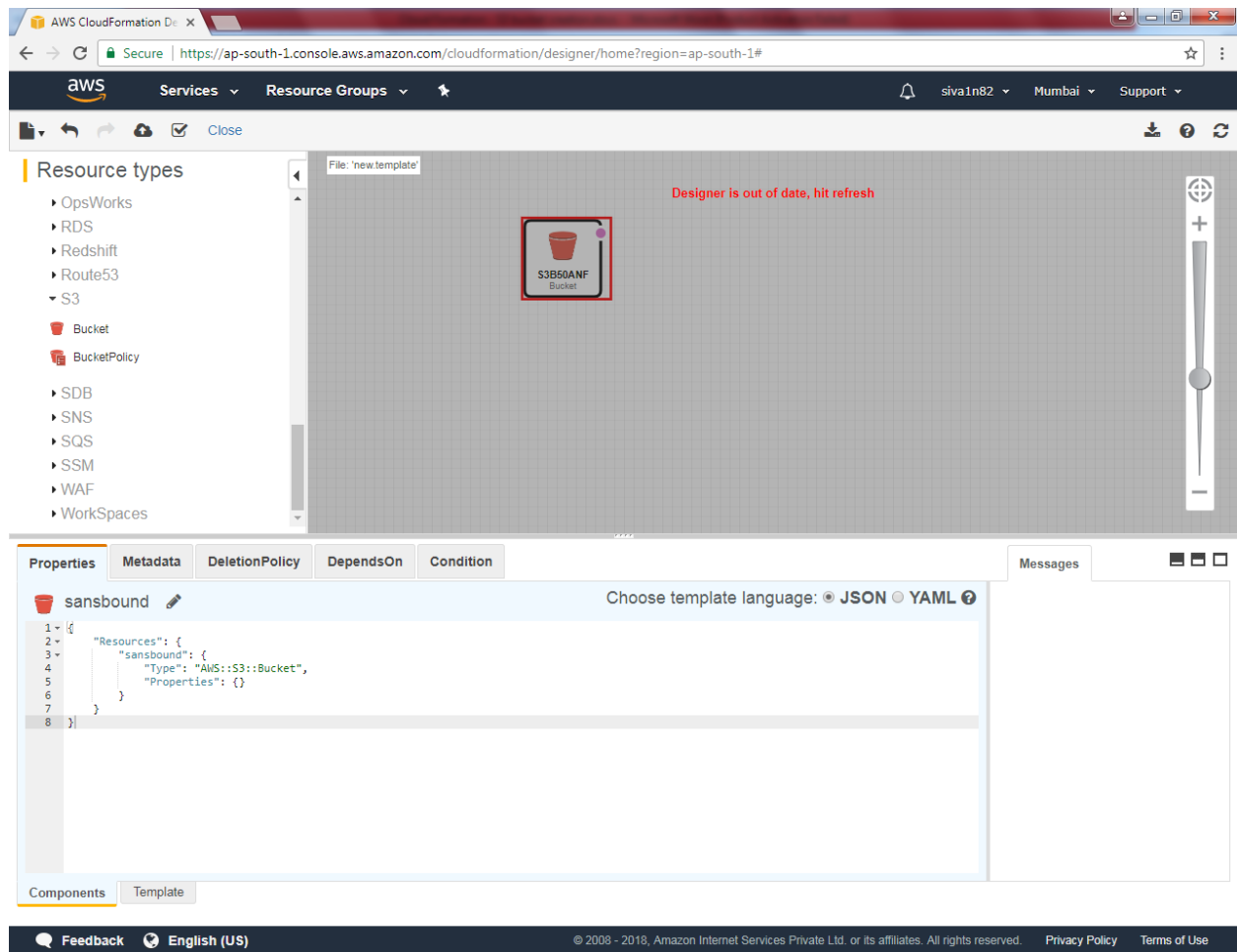
At the bottom of the interface, there is a footer with 'Feedback', 'English (US)', and copyright information: '© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use'.

Click Bucket name and type new bucket name.

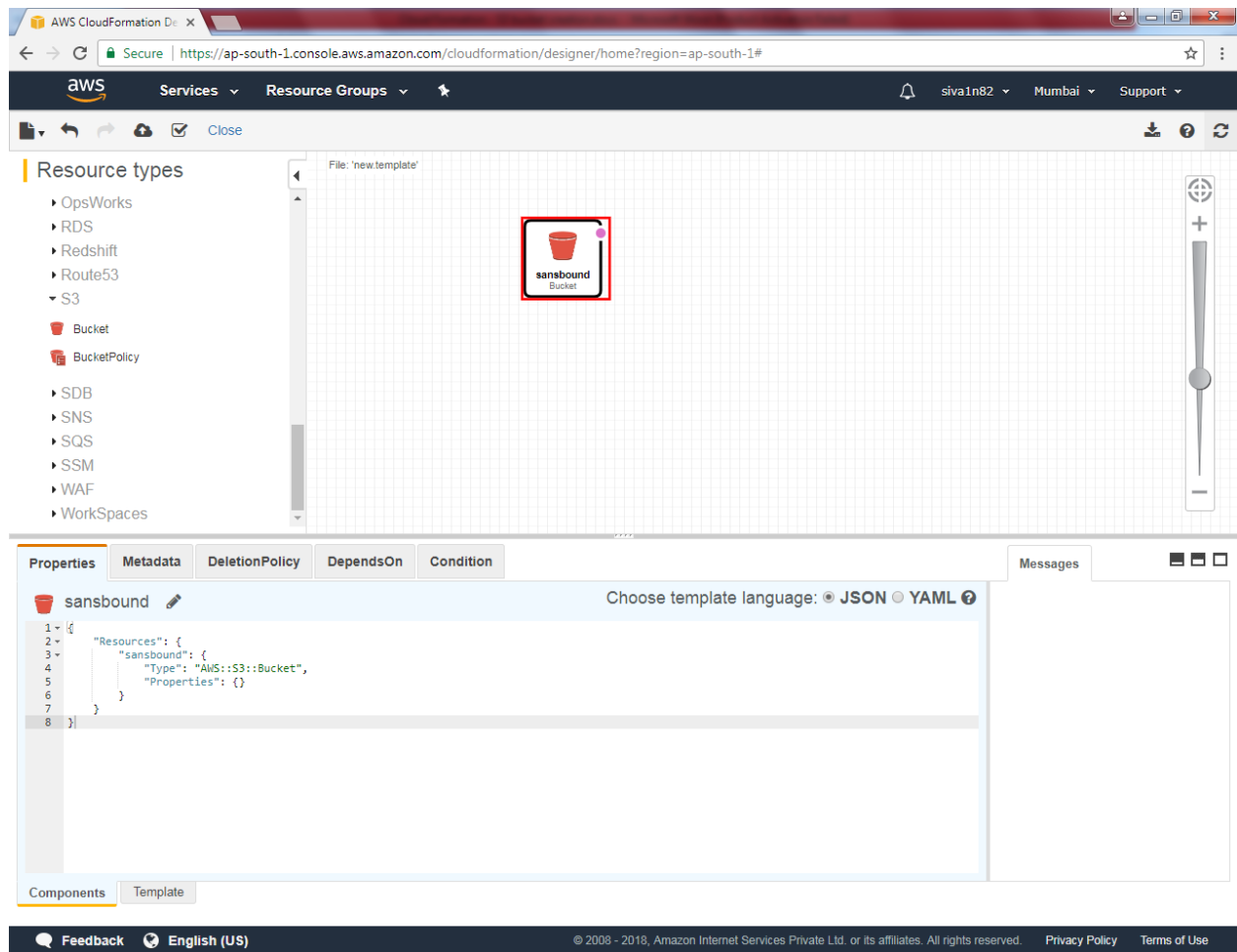


Type “ sansbound” Type bucket name and click Tick mark

Click Refresh to get effect with new bucket name



Now bucket name has renamed.



Click highlighted area (Create stack) to create the bucket.

The screenshot displays the AWS CloudFormation Designer web interface. The browser address bar shows the URL: <https://ap-south-1.console.aws.amazon.com/cloudformation/designer/home?region=ap-south-1#>. The interface includes a top navigation bar with the AWS logo, 'Services', 'Resource Groups', and user information (siva1n82, Mumbai, Support). Below this is a toolbar with icons for file operations and a 'Close' button.

The main workspace is divided into two sections. On the left, the 'Resource types' panel lists various AWS services: OpsWorks, RDS, Redshift, Route53, S3, Bucket, BucketPolicy, SDB, SNS, SQS, SSM, WAF, and WorkSpaces. The 'S3' category is expanded, showing 'Bucket' and 'BucketPolicy'. In the center workspace, a red bucket icon labeled 'sansbound Bucket' is placed on a grid. A red box highlights this icon. On the right side of the workspace, there is a vertical zoom slider.

At the bottom, the 'Properties' tab is active for the 'sansbound' resource. It shows a JSON template snippet:

```
1 {
2   "Resources": {
3     "sansbound": {
4       "Type": "AWS::S3::Bucket",
5       "Properties": {}
6     }
7   }
8 }
```

The 'Choose template language' dropdown is set to 'JSON'. Below the JSON editor are tabs for 'Components' and 'Template'. The footer contains a 'Feedback' link, 'English (US)' language selection, and copyright information: © 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use.

Create A New Stack

Secure | <https://ap-south-1.console.aws.amazon.com/cloudformation/home?region=ap-south-1#/stacks/new?templateURL=https%3A%2F%2Fs3.ap-south-1.amazonaws.com%2F...>

aws Services Resource Groups

CloudFormation Stacks > Create Stack

Create stack

- Select Template
- Specify Details
- Options
- Review

Select Template

Select the template that describes the stack that you want to create. A stack is a group of related resources that you manage as a single unit.

Design a template Use AWS CloudFormation Designer to create or modify an existing template. [Learn more.](#)

[Design template](#)

Choose a template A template is a JSON/YAML-formatted text file that describes your stack's resources and their properties. [Learn more.](#)

- ☐ Select a sample template
- ☐ Upload a template to Amazon S3
- ☒ Specify an Amazon S3 template URL

[Choose File](#) No file chosen

<https://s3.ap-south-1.amazonaws.com/cf-templates-v3s02jpk7> [View/Edit template in Designer](#)

[Cancel](#) [Next](#)

[Feedback](#) [English \(US\)](#) © 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)

Type stack name as “s3bucket”

The screenshot shows the AWS CloudFormation console in the 'Create Stack' wizard. The browser address bar shows the URL: <https://ap-south-1.console.aws.amazon.com/cloudformation/home?region=ap-south-1#/stacks/new?templateURL=https%3A%2F%2Fs3.amazonaws.com%2F...>. The navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a user profile 'siva1n82' in 'Mumbai'. The breadcrumb trail is 'CloudFormation > Stacks > Create Stack'.

Create stack

- [Select Template](#)
- Specify Details**
- [Options](#)
- [Review](#)

Specify Details

Specify a stack name and parameter values. You can use or change the default parameter values, which are defined in the AWS CloudFormation template. [Learn more.](#)

Stack name

[Cancel](#) [Previous](#) [Next](#)

Feedback English (US) © 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)

Leave default and click “Next”.

Create A New Stack

Secure | https://ap-south-1.console.aws.amazon.com/cloudformation/home?region=ap-south-1#/stacks/new?templateURL=https%3A%2F%2Fs3.ap-south-1.amazonaws.com%2F...

Create stack

[Select Template](#)
[Specify Details](#)
Options
[Review](#)

Options

Tags

You can specify tags (key-value pairs) for resources in your stack. You can add up to 50 unique key-value pairs for each stack. [Learn more.](#)

	Key (127 characters maximum)	Value (255 characters maximum)	
1	<input type="text"/>	<input type="text"/>	+

Permissions

You can choose an IAM role that CloudFormation uses to create, modify, or delete resources in the stack. If you don't choose a role, CloudFormation uses the permissions defined in your account. [Learn more.](#)

IAM Role
Enter role arn

▼ Rollback Triggers

Rollback triggers enable you to have AWS CloudFormation monitor the state of your application during stack creation and updating, and to rollback that operation if the application breaches the threshold of any of the alarms you've specified. [Learn more](#)

Monitoring Time ⓘ
Minimum value of 0. Maximum value of 180.

		Available triggers remaining: 5	
	Type	ARN (Amazon Resource Name)	
1	AWS::CloudWatch::Alarm	<input type="text"/>	+

Click "Create".

The screenshot shows the AWS CloudFormation 'Create A New Stack' console in the 'Review' step. The left sidebar contains navigation links: 'Select Template', 'Specify Details', 'Options', and 'Review' (which is highlighted). The main content area is titled 'Review' and includes the following sections:

- Template**:
 - Template URL: <https://s3.ap-south-1.amazonaws.com/cf-templates-v3s02jpk7j4y-ap-south-1/2018044hFP-new.template9oeel1bfcj>
 - Description: [Cost](#)
- Details**:
 - Stack name: s3bucket
- Options**:
 - Tags**: No tags provided
 - Rollback Triggers**:
 - No monitoring time provided
 - No rollback triggers provided
 - Advanced**:
 - Notification: Disabled
 - Termination Protection: none
 - Timeout: none
 - Rollback on failure: Yes

At the bottom of the main content area, there is a link: [Quick Create Stack](#) (Create stacks similar to this one, with most details auto-populated).

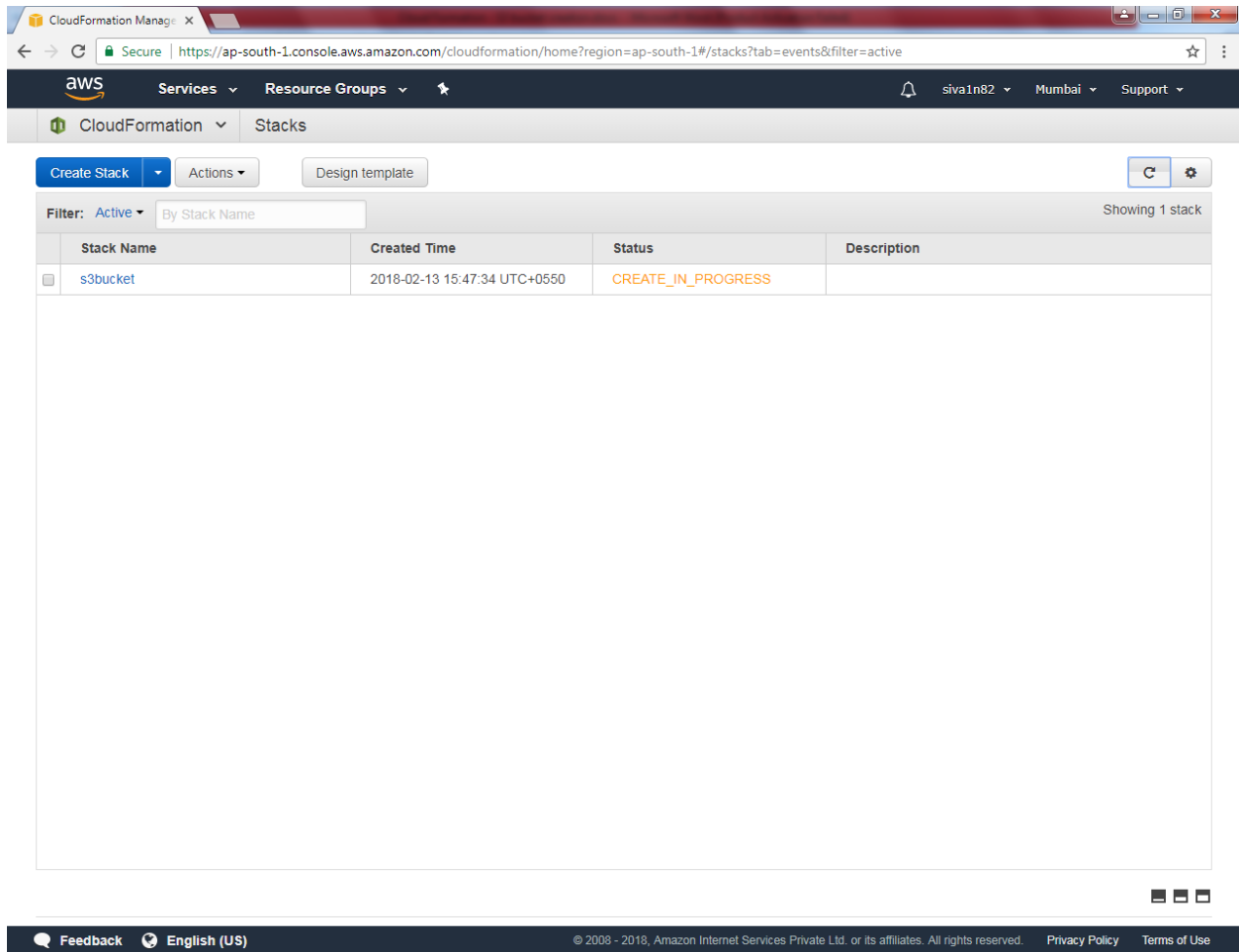
The bottom of the console features a dark blue footer with the following elements:

- Feedback icon and text
- English (US) language selector
- © 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
- Privacy Policy link
- Terms of Use link

At the bottom right of the console, there are three buttons: 'Cancel', 'Previous', and 'Create'.

Press “F5”.

Again press “F5”.



The screenshot shows the AWS CloudFormation console interface. The browser address bar displays the URL: <https://ap-south-1.console.aws.amazon.com/cloudformation/home?region=ap-south-1#/stacks?tab=events&filter=active>. The console header includes the AWS logo, navigation tabs for 'Services', 'Resource Groups', and 'CloudFormation', and user information for 'siva1n82' in the 'Mumbai' region. The 'Stacks' section is active, showing a table with one stack: 's3bucket'. The stack's status is 'CREATE_IN_PROGRESS'.

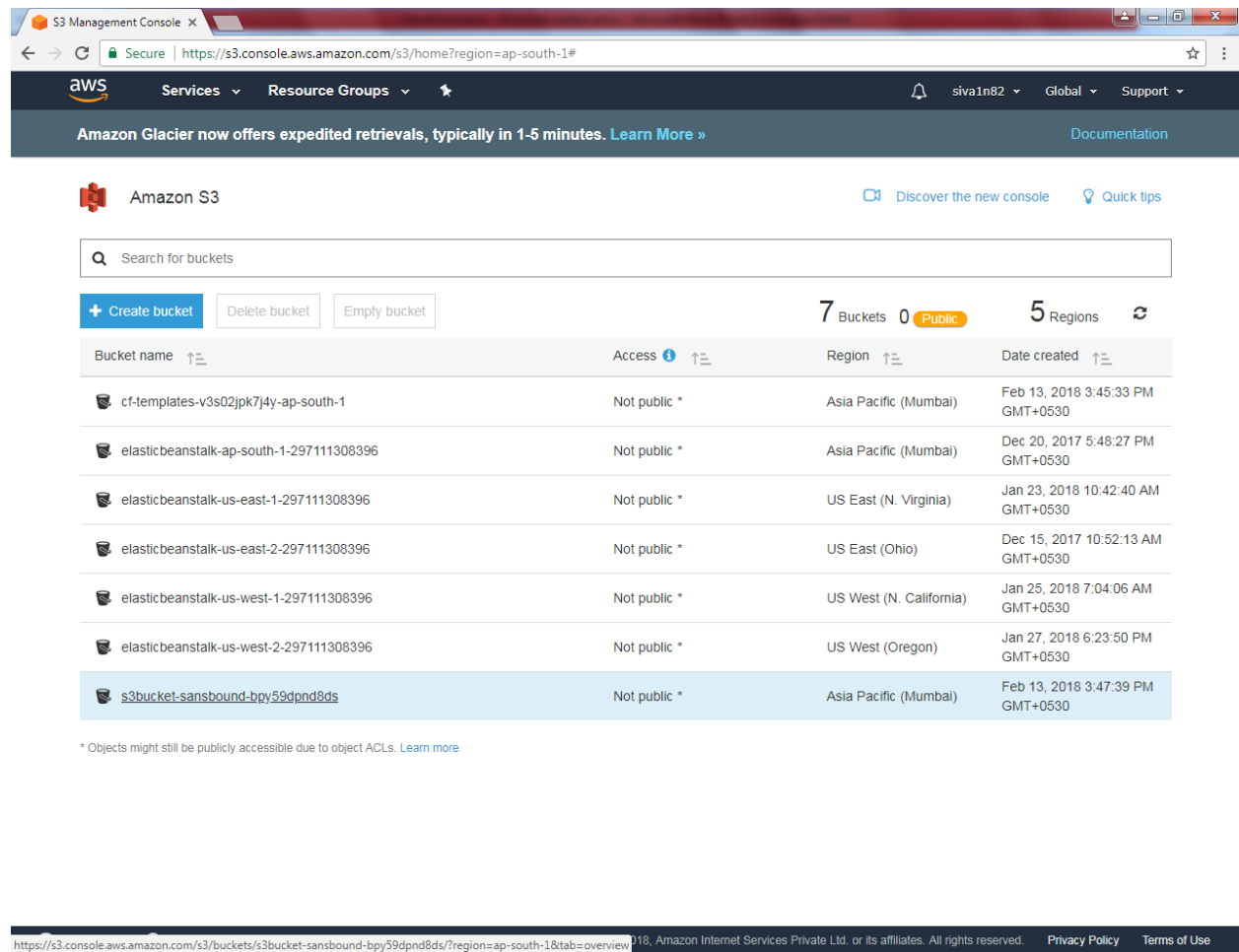
Stack Name	Created Time	Status	Description
s3bucket	2018-02-13 15:47:34 UTC+0550	CREATE_IN_PROGRESS	

Now S3 bucket has been successfully created.

The screenshot shows the AWS CloudFormation console interface. At the top, the browser address bar displays the URL: <https://ap-south-1.console.aws.amazon.com/cloudformation/home?region=ap-south-1#/stacks?tab=events&filter=active>. The console header includes the AWS logo, navigation tabs for Services, Resource Groups, and a user profile section for 'siva1n82' in the 'Mumbai' region. Below the header, the 'CloudFormation' section is active, showing the 'Stacks' tab. The main content area features a 'Create Stack' button, an 'Actions' dropdown, and a 'Design template' button. A filter dropdown is set to 'Active', and a search box is labeled 'By Stack Name'. A table lists the stacks, with one stack visible: 's3bucket', created on '2018-02-13 15:47:34 UTC+0550', with a status of 'CREATE_COMPLETE'. Below the table, there are tabs for 'Overview', 'Outputs', 'Resources', 'Events', 'Template', 'Parameters', 'Tags', 'Stack Policy', 'Change Sets', and 'Rollback Triggers'. The 'Events' tab is currently selected, displaying the message 'Select a stack'. The footer contains a 'Feedback' link, 'English (US)' language selection, and copyright information: '© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.' along with links to 'Privacy Policy' and 'Terms of Use'.

Stack Name	Created Time	Status	Description
s3bucket	2018-02-13 15:47:34 UTC+0550	CREATE_COMPLETE	

Go to S3, you can able to view the folder in the name of sansbound.



The screenshot displays the AWS S3 Management Console interface. At the top, the browser address bar shows the URL `https://s3.console.aws.amazon.com/s3/home?region=ap-south-1#`. The console header includes the AWS logo, navigation tabs for Services, Resource Groups, and a user profile section with the name 'siva1n82'. A banner for Amazon Glacier expedited retrievals is visible. The main content area is titled 'Amazon S3' and includes a search bar for buckets. Below the search bar are buttons for 'Create bucket', 'Delete bucket', and 'Empty bucket'. A summary bar indicates '7 Buckets', '0 Public' buckets, and '5 Regions'. The primary section is a table listing the buckets with columns for Bucket name, Access, Region, and Date created. The buckets listed are:

Bucket name	Access	Region	Date created
cf-templates-v3s02jpk7j4y-ap-south-1	Not public *	Asia Pacific (Mumbai)	Feb 13, 2018 3:45:33 PM GMT+0530
elasticbeanstalk-ap-south-1-297111308396	Not public *	Asia Pacific (Mumbai)	Dec 20, 2017 5:48:27 PM GMT+0530
elasticbeanstalk-us-east-1-297111308396	Not public *	US East (N. Virginia)	Jan 23, 2018 10:42:40 AM GMT+0530
elasticbeanstalk-us-east-2-297111308396	Not public *	US East (Ohio)	Dec 15, 2017 10:52:13 AM GMT+0530
elasticbeanstalk-us-west-1-297111308396	Not public *	US West (N. California)	Jan 25, 2018 7:04:06 AM GMT+0530
elasticbeanstalk-us-west-2-297111308396	Not public *	US West (Oregon)	Jan 27, 2018 6:23:50 PM GMT+0530
s3bucket-sansbound-bpy59dpnd8ds	Not public *	Asia Pacific (Mumbai)	Feb 13, 2018 3:47:39 PM GMT+0530

A footnote at the bottom of the table states: '* Objects might still be publicly accessible due to object ACLs. [Learn more](#)'.

The footer of the console shows the URL `https://s3.console.aws.amazon.com/s3/buckets/s3bucket-sansbound-bpy59dpnd8ds/?region=ap-south-1&tab=overview` and copyright information for Amazon Internet Services Private Ltd.