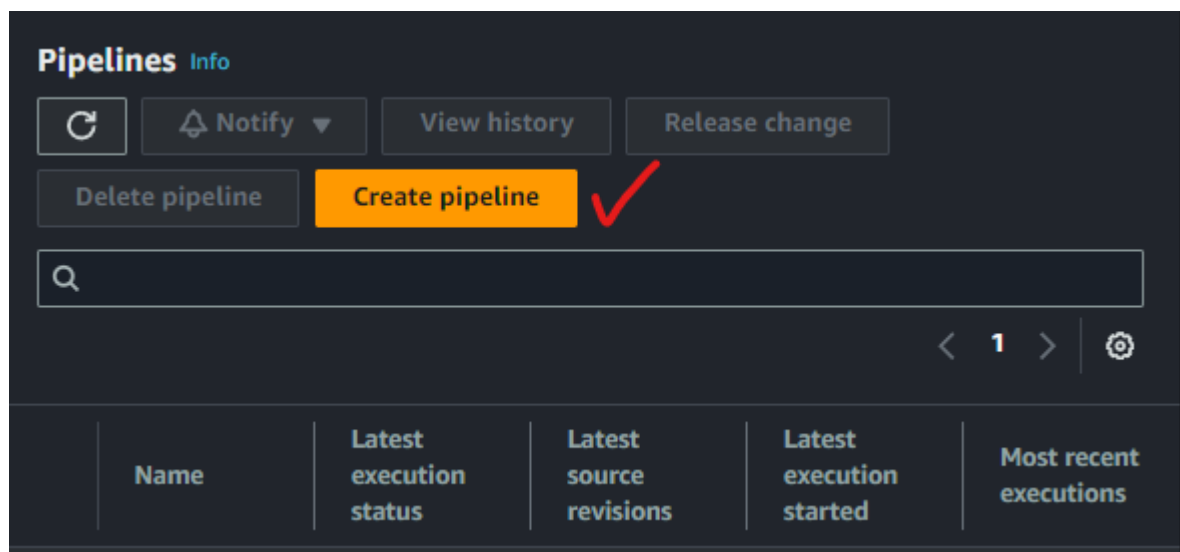


```
ec2-user:~/environment/infraestructura-aws (master) $ git push codecommit::us-east-1://infraestructura-aws
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 1.33 KiB | 678.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Validating objects: 100%
To codecommit::us-east-1://infraestructura-aws
* [new branch]      master -> master
```

4. Configuramos el pipeline, en aws es codePipeline. Esto con el fin de que si se da un push, la infraestructura se desplegará automáticamente.



- Configuramos

Choose pipeline settings [Info](#)

Step 1 of 5

Pipeline settings

Pipeline name

Enter the pipeline name. You cannot edit the pipeline name after it is created.

infraestructura-pipeline-aws

No more than 100 characters

Pipeline type

The pipeline type determines the pipeline structure and availability of parameters such as triggers. Pipeline type selection will impact features and pricing. [Which pipeline is right for me?](#)

☐ V1

☒ V2

Execution mode

Choose the execution mode for your pipeline. This determines how the pipeline is run.

☒ Superseded

A more recent execution can overtake an older one. This is the default.

☐ Queued (Pipeline type V2 required)

Executions are processed one by one in the order that they are queued.

☐ Parallel (Pipeline type V2 required)

Executions don't wait for other runs to complete before starting or finishing.

Service role

☒ New service role

Create a service role in your account

☐ Existing service role

Choose an existing service role from your account

Role name

AWSCodePipelineServiceRole-us-east-1-infraestructura-pipeline-a

Type your service role name

☒ Allow AWS CodePipeline to create a service role so it can be used with this new pipeline

- Preguntará la fuente del pipeline y seleccionamos codecommit
- El nombre del repositorio
- La rama

Source

Source provider

This is where you stored your input artifacts for your pipeline. Choose the provider and then provide the connection details.

AWS CodeCommit

Repository name

Choose a repository that you have already created where you have pushed your source code.

infraestructura-aws

Branch name

Choose a branch of the repository

master

Change detection options

Choose a detection mode to automatically start your pipeline when a change occurs in the source code.

☐ **Amazon CloudWatch Events
(recommended)**

Use Amazon CloudWatch Events to automatically start my pipeline when a change occurs

☒ **AWS CodePipeline**

Use AWS CodePipeline to check periodically for changes

Output artifact format

Choose the output artifact format.

☒ **CodePipeline default**

AWS CodePipeline uses the default zip format for artifacts in the pipeline. Does not include Git metadata about the repository.

☐ **Full clone**

AWS CodePipeline passes metadata about the repository that allows subsequent actions to do a full Git clone. Only supported for AWS CodeBuild actions.

Cancel

Previous

Next

Build - optional

Build provider
This is the tool of your build project. Provide build artifact details like operating system, build spec file, and output file names.

Para el deploy:

- AWS Cloudformation
- La región
- Create or update a stack
- Stack name: Según cómo esté configurado en el template, como el archivo base se llamó **aws-stack** se utiliza este nombre.

```
167
168
169
170
171
172
173
174
175
176
177
178
Properties:
  Name: alb-cafe
  Scheme: internet-facing #disponible a traves de internet
  SecurityGroups:
    - Ref: SGalb
  Subnets:
    - Fn::ImportValue: !Sub "aws-stack-PublicSubnetA" #hace un mapeo
    - Fn::ImportValue: !Sub "aws-stack-PublicSubnetB"
  Type: application #el tipo de balanceador

#Create the target group
TargetGroup:
  Name: alb-cafe
  Port: 80
  Protocol: HTTP
  VpcId: !Sub "${AWS::VPCID}"
  Subnets:
    - Fn::ImportValue: !Sub "aws-stack-PublicSubnetA"
    - Fn::ImportValue: !Sub "aws-stack-PublicSubnetB"
```

Deploy

Deploy provider

Choose how you deploy to instances. Choose the provider, and then provide the configuration details for that provider.

AWS CloudFormation

Region

US East (N. Virginia)

Action mode

When you update an existing stack, the update is permanent. When you use a change set, the result provides a diff of the updated stack and the original stack before you choose to execute the change.

Create or update a stack

Stack name

If you are updating an existing stack, choose the stack name.

aws-stack

Template

Specify the template you uploaded to your source location.

Artifact name

SourceArtifact

File name

network.yml

- Más abajo pedirá un rol, por lo que tocará crearlo.

Select trusted entity Info

Trusted entity type

☒ **AWS service**

Allow AWS services like EC2, Lambda, or others to perform actions in this account.

☐ **AWS account**

Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.

☐ **Web identity**

Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.

☐ **SAML 2.0 federation**

Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.

☐ **Custom trust policy**

Create a custom trust policy to enable others to perform actions in this account.

Use case

Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

Service or use case

CloudFormation

Choose a use case for the specified service.

Use case

☒ **CloudFormation**

Allows CloudFormation to create and manage AWS stacks and resources on your behalf.

- Nombre: RolePipeline
- Los servicios:

Step 2: Add permissions

Edit

Permissions policy summary


Policy name	Type	Attached as
AmazonEC2FullAccess	AWS managed	Permissions policy
AmazonRDSFullAccess	AWS managed	Permissions policy
AmazonSSMFullAccess	AWS managed	Permissions policy
AmazonVPCFullAccess	AWS managed	Permissions policy

Continuamos con la configuración del Pipeline y next

Role name

arn:aws:iam::533267417139:role/RolePipeline

Ya quedó configurado

 **Success**
Congratulations! The pipeline `infraestructura-pipeline-aws` has been created.

Create a notification rule for this pipeline

Developer Tools > CodePipeline > Pipelines > `infraestructura-pipeline-aws`

infraestructura-pipeline-aws

Notify ▼


Edit


Stop execution

Clone pipeline

Release change

Pipeline type: **V2** Execution mode: **SUPERSEDED**

 **Source** Succeeded
Pipeline execution ID: [4e11778d-43ce-4a7d-9d83-e772eebf38e6](#)

Source
[AWS CodeCommit](#)
 Succeeded - Just now
[030240b0](#)





View details

[030240b0](#) Source: [ADD] Configuracion de capa de red

Disable transition

- Se agrega el archivo del repositorio de github del profesor para completar los templates. Se debe crear un role IAM, se configura el usuario de parameter store (ya no es admin si no **root**)

El rol será **ec2RoleWs**

<input type="checkbox"/>	Policy name ↗	Type	Attached enti... ▼
<input type="checkbox"/>	 AmazonEC2FullAcc...	AWS managed	4
<input type="checkbox"/>	 AmazonRDSFullAc...	AWS managed	4
<input type="checkbox"/>	 AmazonS3FullAccess	AWS managed	3
<input type="checkbox"/>	 AmazonSSMFullAc...	AWS managed	4

- Se vuelven a subir los cambios con el push

git push codecommit::us-east-1://infraestructura-aws

```

File Edit Find View Go Run Tools Window Support Preview Run
Go to Anything (Ctrl-P)
aws-ensayo - /hon
├── .c9
├── infraestructura-aws
│   ├── .git
│   ├── application.yml
│   └── network.yml
├── portafolio
├── proyecto
├── stack-layers
├── web-python
├── webFiles
├── authors.json
├── aws-ha-hs.yml
├── aws-stack.yml
└── README.md

network.yml
259 ##Create the subnets
260 DBbookSubnetGroup:
261   Type: AWS::RDS::DBSubnetGroup
262   Properties:
263     DBSubnetGroupDescription: Subnets about db
264     DBSubnetGroupName: db-subnet-group-db
265     SubnetIds:
266       - Fn::ImportValue: !Sub "aws-stack-PrivateSubnetAA"
267       - Fn::ImportValue: !Sub "aws-stack-PrivateSubnetBB"
268
269   Outputs:
270     bookWsPublic:
271       Description: Public IP of the book-ws
272       Value: !GetAtt bookWsPublic.PublicIP
273       Export:
274         Name: !Sub "aws-stack-book-ws-public"
275     bookWsPrivate:
276       Description: Private IP of the book-ws
277       Value: !GetAtt bookWsPublic.PrivateIP
278       Export:
279         Name: !Sub "aws-stack-book-ws-private"
280     bookALB:
281       Description: DNS of ALB.
282       Value: !GetAtt ALBbook.DNSName
283       Export:
284         Name: !Sub "aws-stack-book-ws-alb" #asi llamare a ese atributo
285     SGdb:
286       Description: SG for DB
287       Value:
288         Ref: SGdb
289       Export:
290         Name: !Sub "aws-stack-SGdb"
291     DBbook:
292       Description: Database endpoint
293       Value: !GetAtt DBbook.Endpoint.Address

283:16  YAML  Spaces: 4

bash - "ip-172-31-7-214.e x
git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 2 insertions(+), 2 deletions(-)
ec2-user:~/environment/infraestructura-aws (master) $ git push codecommit::us-east-1://infraestructura-aws
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 367 bytes | 367.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Validating objects: 100%
To codecommit::us-east-1://infraestructura-aws
612eb35..0d418ae master -> master

```

Execution history Info					
<div><div>Rerun</div><div>Stop execution</div><div>View details</div><div>Release change</div></div> <div><div>Q</div></div> <div><div><</div><div>1</div><div>></div><div>⚙</div></div>					
	Execution ID	Status	Source revisions	Trigger	Started
<div></div>	12d2af9c	<div>✔ Succeeded</div>	Source – 0d418aec : [ADD] cambios en rol	PollForSourceChanges - Source	May 29, 2024 4:22 PM (UTC-5:00)
<div></div>	42594837	<div>✔ Succeeded</div>	Source – 612eb35d : [ADD] aplicacion.yml y db	PollForSourceChanges - Source	May 29, 2024 4:08 PM (UTC-5:00)
<div></div>	4e11778d	<div>✔ Succeeded</div>	Source – 030240b0 : [ADD] Configuración de capa de red	PollForSourceChanges - Source	May 29, 2024 2:59 PM (UTC-5:00)