**Roles:**

Launch the CloudFormation templates for creating roles for CodeBuild, CodePipeline, Lambda in order to use role arn's in Dynamic and Static CodePipeline’s of Author/WriteBack apps.

CloudFormation template name:

CodeBuildRole.yml

Command:

aws cloudformation create-stack --stack-name CodeBuildRole --template-body file://C:/Users/AH160606/Desktop/Roles/lambda-role.yml --capabilities CAPABILITY\_NAMED\_IAM

CreatedArn:

arn:aws:iam::153279871056:role/CodeBuildRole-author-writeback

CloudFormation template name:

codepipelineRole.yml

Command:

aws cloudformation update-stack --stack-name CodePipelineRole --template-body file://C:/Users/AH160606/Desktop/Roles/codepipelineRole.yml --capabilities CAPABILITY\_NAMED\_IAM

CreatedArn:

arn:aws:iam::153279871056:role/CodePipelineRole-author-writeback

CloudFormation template name:

lambda-role.yml

Command:

aws cloudformation update-stack --stack-name LambdaRole --template-body file://C:/Users/AH160606/Desktop/Roles/lambda-role.yml --capabilities CAPABILITY\_NAMED\_IAM

CreatedArn:

arn:aws:iam::153279871056:role/LambdaRole-author-writeback

**Create an S3 buckets:**

CloudFormation template name:

s3bucket-template.yml

Command:

For Author

aws cloudformation deploy --template-file C:/Users/AH160606/Downloads/s3bucket-template.yml --stack-name authoring-s3bucket-stg --capabilities CAPABILITY\_IAM

For WriteBack

aws cloudformation deploy --template-file C:/Users/AH160606/Downloads/s3bucket-template.yml --stack-name writeback-s3bucket-stg --capabilities CAPABILITY\_IAM

Created Buckets:

writeback-staging-frontend

This bucket is used to host the static website for writeback app.

writeback-staging-backend

writeback-staging-sourcecode

This bucket is used to store the source code from GitHub Enterprise of both writeback frontend and backend repos in zip format which is further used by CodePipeline’s source stage.

authoring-staging-frontend

This bucket is used to host the static website for author app.

authoring-staging-backend

authoring-staging-sourcecode

This bucket is used to store the source code from GitHub Enterprise of both author frontend and backend repos in zip format which is further used by CodePipeline’s source stage.

**BuildSpec Files:**

The folders named AuthoringBackend, AuthoringFrontend, WriteBackFrontend, WriteBackBackend has two buildspec files referred with buildspec.yml, s3-ghe-buildspec.yml. These buildspec files should be added to the repositories respectively.

**Dependencies for Author:**

Created a folder called jars in Prime-Web repository and added dependencies.

**CodeBuild Projects:**

Create CodeBuild Project to copy source code from GitHub to s3 bucket so that the source stage in CodePipeline can be configured with S3 provider.

CloudFormation template name:

s3-ghe-codebuild.yml

Command:

For Author Frontend:

aws cloudformation create-stack --stack-name authoring-frontend --template-body file://C:/Users/AH160606/Desktop/CodeBuildProject/s3-ghe-codebuild.yml --parameters ParameterKey=GitHubUrl,ParameterValue=https://github.inbcu.com/tv-ent-research/PRIME-Author

For Author Backend:

aws cloudformation create-stack --stack-name authoring-backend --template-body file://C:/Users/AH160606/Desktop/CodeBuildProject/s3-ghe-codebuild.yml --parameters ParameterKey=GitHubUrl,ParameterValue=https://github.inbcu.com/tv-ent-research/PRIME-Web

For WriteBack Frontend:

aws cloudformation create-stack --stack-name writeback-backend --template-body file://C:/Users/AH160606/Desktop/CodeBuildProject/s3-ghe-codebuild.yml --parameters ParameterKey=GitHubUrl,ParameterValue=https://github.inbcu.com/tvfinance/writeback ParameterKey=ProjectID,ParameterValue= writeback ParameterKey=Project,ParameterValue=writeback ParameterKey=BucketPrefix,ParameterValue=writeback

For WriteBack Backend:

aws cloudformation create-stack --stack-name writeback-frontend --template-body file://C:/Users/AH160606/Desktop/CodeBuildProject/s3-ghe-codebuild.yml --parameters ParameterKey=GitHubUrl,ParameterValue=https://github.inbcu.com/tvfinance/writeback-frontend ParameterKey=ProjectID,ParameterValue= writeback ParameterKey=Project,ParameterValue=writeback ParameterKey=BucketPrefix,ParameterValue=writeback

**Webhooks:**

Inorder to trigger CodeBuild project on every commit we need to create webhooks for the respective CodeBuild project repositories.

In CLI:

Command:

aws codebuild create-webhook --project-name authoring-frontend-CodeBuildProject

aws codebuild create-webhook --project-name authoring-backend-CodeBuildProject

aws codebuild create-webhook --project-name writeback-backend-CodeBuildProject

aws codebuild create-webhook --project-name writeback-frontend-CodeBuildProject

aws codebuild create-webhook --project-name Dev-writeback-backend-CodeBuildProject --filter-groups "[[{\"type\":\"EVENT\",\"pattern\":\"PUSH\"},{\"type\":\"HEAD\_REF\",\"pattern\":\"^refs/heads/Dev$\",\"excludeMatchedPattern\":true}]]"

{

"webhook": {

"payloadUrl": "https://codebuild.us-west-2.amazonaws.com/webhooks?t=eyJlbmNyeXB0ZWREYXRhIjoiYURvVHFSNkpqUGt5bUdoRUwzZC9NcWdDTlJEUHl3ejVrSWk0Z0thSS9tZVFoZWxHZUZoczBYU3lKdVpIV2k2S0V2V1c3eFZudnhKalhqSi8rb1dxeXhJPSIsIml2UGFyYW1ldGVyU3BlYyI6ImxqQ1dMUkJzbTM5ZzZkZ2wiLCJtYXRlcmlhbFNldFNlcmlhbCI6MX0%3D&v=1",

"secret": "0Wpp83A7\_f3pfpqjxeRM-mqxYXZI46pyhps7S5bpWMu3BH9SgqpREfMrCQsRjvJEN8z5dCQzQlEqQL9ftfEO1\_cApTdWyevLBfjiP\_hYUkrX1zxMvQaIdrcYNYZs7VXIcmFcFiMspaHEycTEf1j9uyngJ\_3inmE3gFRYyUtjwzqb\_MkSeApHMSCFyjD16BsRexCS0HhLp3tYwrgAtfc7UY8G1hxGudWrlMoAo9V-sUl2\_08db3TvDOCrvYwXm-HGwrHkjsAjNK0dMQrf6GXGm5Q2GzE2mlFA0E0wzjeBvcKhde5dAnRWlabG41yl7La5YKq4DrWxwz1y7\_Z3LCsGx8BT5t9PwVp3Jf2JAC3MiebVgDm3TegkMgXiSdB73UJDQ5oPh9b3CVvz6bm2Q9RCc4henHm4SKdUYOY3wRTTzCskVCmpZ4-Wmhd1GPYXBqJGsWEjcPfGlNT-eVVDv8LBpLKy99cOqDXoknPfrfvdK7jeCiNZOype7AErJ6xO52jFzHMi3lA55TtE9vMn4Q5YBtT97Ju2ET2BGlOIY6kqTKCGCSY1TpeRoIrFQ0pwtm9KrG2hrPzHGgi1X7DUbA5C\_FavvNqfjiUmMyf\_uJW-yS22WztOnAmikm1ckDoF2e1sIDiiS04zML03\_W7H4LcY8KRJ58DiB\_oy8\_B\_2mvhsVedmkQ-0TMS\_k2epigIRHrTEIE--WBG4n3udgtqDJOWzhkQ7ys3mBUUi-l0jJ21SQPzJ0Fc7n4QoxZm5hrezDGJRZznacs\_X5X0At-9jhpt894y0wjcrwqkIJOz7kSTuKeO-FReTnULMpZzzylsJgG6MLxvbG5kH7W2bCvWpiPUdD3RnoCB\_rvzmT0hPiJt-mZA2awds\_OV3CRtji8iJtXFN8ceYExpoOScCMFavbilr3CcEpx-Uv4hHFeL6tXXho\_urI9CXSEvTBw5tRhMWvK6BADjlfUyhyBQFaDwFn\_BoynCao5IIA40S-CGg33utqVMJd\_D-E1TU5248cK7yJIz",

"filterGroups": [

[

{

"type": "EVENT",

"pattern": "PUSH",

"excludeMatchedPattern": false

},

{

"type": "HEAD\_REF",

"pattern": "refs/heads/Dev$",

"excludeMatchedPattern": true

}

]

],

"lastModifiedSecret": 1583130089.585

}

}

aws codebuild create-webhook --project-name [Qa-writeback-backend-CodeBuildProject](https://us-west-2.console.aws.amazon.com/codesuite/codebuild/projects/Qa-writeback-backend-CodeBuildProject/history?region=us-west-2) --filter-groups "[[{\"type\":\"EVENT\",\"pattern\":\"PUSH\"},{\"type\":\"HEAD\_REF\",\"pattern\":\"^refs/heads/Qa$\",\"excludeMatchedPattern\":true}]]"

C:\Users\AH160606>aws codebuild create-webhook --project-name Qa-writeback-backend-CodeBuildProject --filter-groups "[[{\"type\":\"EVENT\",\"pattern\":\"PUSH\"},{\"type\":\"HEAD\_REF\",\"pattern\":\"^refs/heads/Qa$\",\"excludeMatchedPattern\":true}]]"

{

"webhook": {

"payloadUrl": "https://codebuild.us-west-2.amazonaws.com/webhooks?t=eyJlbmNyeXB0ZWREYXRhIjoibVhWdDkxR25LQXJubDQ1WkJmcS8vdTM3ZjdEQ0I0blgvQjFqZWZzejBoNlVib0pNRWlKVnAxbHZtZ3hBRlZ4UWZqdVpRVXBlNGVrWEVOZ3U3WDdhbEk4PSIsIml2UGFyYW1ldGVyU3BlYyI6Im5BWWg3NTlMTm1lNGFrZXIiLCJtYXRlcmlhbFNldFNlcmlhbCI6MX0%3D&v=1",

"secret": "UZD3wZQLP2cOKUjq6nATIhSo\_tYzEQX7FglFNHHoKbLa8g-56usFceURgHeva9vz0d2bLSYxFRAPblGYIXR6dc1KX9Hd4mfhIKqACaK7K\_lEZZ88u24rMniaec8Tay5\_YTRttDxg0sW-pHtpQmB9AxIpIG1kuVKeIf01J4g1YOwwbLtC4OhCJTUujJxsJwzr62PDP5D7ddmY8Dtwvhny4Kk8B4XAU7BDtHOXFk4c-3RO5zioDY4tfRATNYMLtqtJ5keyHtgwfpvMW3lSNVQNEieazVIZZNqWJ-D8j-IkQ9nsOq4qeazUpLaKjZOmau9IxQcN0gd\_\_3atMZDuzGTLgCmqDY2MG3jv5I09P9AMPr2YLwg-qxJbjgexXNDkYV0lFPSu0XgDsNxOw6SsaYK9Iq6JlM6NTj07GctPr\_2mB2qlM\_e6fjlFlC4O-qH6fQ04pOIx18WbW1b\_xch4eU15jWDq3BTAJT0dlgXWAb-uEh\_huHxDinM9gxIIOV9Kq69HcHKwsWL7NKRQJ1LmkQ\_0ARvbb8YWSdZAWYXxchAYmcVoApQ6RuP1N-4wnWtEar6o-fAJ4JTFTZXo6FG9sE1f-3bx51RdTNG8mxuQNVFOjVGrfytWwWBuveNA5cBspll7cI3t9Ii1AESScWkbe\_KD3VmjF32uXc2WfsSAH54Q98FgxrYQSeErBmhUeZjBoIjXQhWEmLrAVvRFhmoG9DoKouU14m2IH3UCrv4hUGp4Mug65ewUFrQ9DtI4bCh7MU3MI8k0ziSBoyErwHdsD7C99lD1wb81uZCGGykF3MmWpV0u9YujdGu93sOhQ3E-XvZt3vD139IDdURn2o\_Fm38sZ4kb\_S6JSakzfijbIqMwNHKlid0G4VHdHoYaaQHs3zLReU2PbUC5eG8D9l9hmp9RbBa5Y-QvsC\_gLwA50J8n-RmWSCEsvxAog0hLgVLR8DCO1LPQmiS4ms0nS1aARIeX3GaI5dv1u6QEB1f86VSfErqw4ackAl6xwbKUKvtbQhmA",

"filterGroups": [

[

{

"type": "EVENT",

"pattern": "PUSH",

"excludeMatchedPattern": false

},

{

"type": "HEAD\_REF",

"pattern": "refs/heads/Qa$",

"excludeMatchedPattern": true

}

]

],

"lastModifiedSecret": 1583176742.186

}

}

Example output:

{

"webhook": {

"payloadUrl": "https://codebuild.us-west-2.amazonaws.com/webhooks?t=eyJlbmNyeXB0ZWREYXRhIjoiNjVxbXhUajQ2V2JvUGl4Q2FnVGtuRFY3ejU0czZnOTNkdk9UdVBrRlVibnI4azhIaVlnYXkwaHRNQWQ5QnBDb2tHZlRBdWI2U1pRM09CMFNpY1

"secret": "6dzl1ZR4BwMP0V1h3X-SU4QLGAU9bXDsTC27VrntPPEl0jtCbroXbFylpIrNkzmJh0RZEg35Xt0iuASM4XPBpkpZIzNk-Nko9t6Xv-v73AsKnNW\_jEHzc0eiZSuNkMeRcYtH2gNrtvfnPFrN094W------- ",

"lastModifiedSecret": 1578602876.469

}

}

In GitHub Enterprise repository:

In repository -> goto settings -> Hook -> add webhook -> use the payload url and secret from the output , select application/json

**CodePipeline:**

For Author Backend:

CloudFormation template name:

AuthoringCFCodepipelineBackend.yaml

Command:

aws cloudformation create-stack --stack-name dynamic-test --template-body <file://C:/Users/AH160606/Desktop/AuthoringBackend/AuthoringCFCodepipelineBackend.yaml>

CreatedArn:

arn:aws:codepipeline:us-west-2:153279871056:authoring-backend-pipeline-Pipeline-U7Z3SIN8JZXD

For Author Frontend:

CloudFormation template name:

AuthoringCFCodepipelineFrontend.yml

Command:

aws cloudformation create-stack --stack-name authoring-frontend-pipeline --template-body <file://C:/Users/AH160606/Desktop/AuthoringFrontend/AuthoringCFCodepipelineFrontend.yml>

CreatedArn:

arn:aws:codepipeline:us-west-2:153279871056:authoring-frontend-pipeline-Pipeline-F3DOYU8857PD

For WriteBack Backend:

CloudFormation template name:

WriteBackCFCodepipelineBackend.yaml

Command:

aws cloudformation create-stack --stack-name writeback-backend-pipeline --template-body <file://C:/Users/AH160606/Desktop/WriteBackBackend/WriteBackCFCodepipelineBackend.yaml>

CreatedArn:

arn:aws:codepipeline:us-west-2:153279871056:writeback-backend-pipeline-Pipeline-5IH6ZHFBOWHL

For WriteBack Frontend:

CloudFormation template name:

WriteBackCFCodepipelineFrontend.yml

Command:

aws cloudformation create-stack --stack-name authoring-frontend-pipeline --template-body <file://C:/Users/AH160606/Desktop/AuthoringFrontend/WriteBackCFCodepipelineFrontend.yml>

CreatedArn:

arn:aws:codepipeline:us-west-2:153279871056:writeback-frontend-pipeline-Pipeline-CK48R7J97UQTD

**CloudTrail:**

aws cloudtrail create-trail --name codepipeline-author-writeback

aws cloudtrail create-trail --name contentplanning-cloudtrail-usw2 --s3-bucket-name javalambdasample-harika

aws cloudtrail start-logging --name codepipeline-author-writeback

aws cloudtrail start-logging –name contentplanning-cloudtrail-usw2

aws cloudtrail put-event-selectors --trail-name my-trail --event-selectors '[{ "ReadWriteType": "WriteOnly", "IncludeManagementEvents":false, "DataResources": [{ "Type": "AWS::S3::Object", "Values": ["arn:aws:s3:::myBucket/myFolder/file.zip"] }] }]'

aws cloudtrail put-event-selectors --trail-name [contentplanning-cloudtrail-usw2](https://s3.console.aws.amazon.com/s3/buckets/contentplanning-dev-frontend-usw2?region=us-west-2) --event-selectors='[{ "ReadWriteType": "WriteOnly", "IncludeManagementEvents":false, "DataResources": [{ "Type": "AWS::S3::Object", "Values": ["arn:aws:s3::: [contentplanning-uat-sourcecode-usw2](https://s3.console.aws.amazon.com/s3/buckets/contentplanning-uat-sourcecode-usw2/?region=us-west-2&tab=overview)/ devContentPlanningFrontendSourceCode.zip "] }] }]'

aws events put-rule --name "[contentplanning-qa-frontend-usw2](https://s3.console.aws.amazon.com/s3/buckets/contentplanning-dev-frontend-usw2?region=us-west-2)-rule" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"[contentplanning-uat-sourcecode-usw2](https://s3.console.aws.amazon.com/s3/buckets/contentplanning-uat-sourcecode-usw2/?region=us-west-2&tab=overview)\"],\"key\":[\"qaContentPlanningFrontendSourceCode.zip \"]}}}

aws events put-targets --rule contentplanning-dev-frontend-usw2-rule --targets Id=1,Arn= arn:aws:codepipeline:us-west-2:153279871056:ContentPlanning-UAT-frontend-pipeline-Pipeline-1QOL0OH70RGIW,"RoleArn"="arn:aws:iam::153279871056:role/Role-for-CloudWatchRule"

working:

aws events put-targets --rule contentplanning-dev-frontend-usw2-rule --targets Id=1,Arn=arn:aws:codepipeline:us-west-2:153279871056:ContentPlanning-UAT-frontend-pipeline-Pipeline-1QOL0OH70RGIW,"RoleArn"="arn:aws:iam::153279871056:role/Role-for-CloudWatchRule"

aws cloudtrail put-event-selectors --trail-name contentplanning-cloudtrail-usw2 --event-selectors = '[{"ReadWriteType": "WriteOnly","IncludeManagementEvents": false,"DataResources": [{"Type":"AWS::S3::Object", "Values": ["arn:aws:s3:::contentplanning-uat-sourcecode-usw2/devContentPlanningFrontendSourceCode.zip","arn:aws:s3:::contentplanning-uat-sourcecode-usw2/devcontentplanningBackendSourceCode.zip"]}]}]'

aws cloudtrail put-event-selectors --trail-name codepipeline-author-writeback --event-selectors '[{"ReadWriteType": "WriteOnly","IncludeManagementEvents": false,"DataResources": [{"Type":"AWS::S3::Object", "Values": ["arn:aws:s3:::authoring-staging-sourcecode/AuthoringFrontendSourceCode.zip","arn:aws:s3:::authoring-staging-sourcecode/authoringBackendSourceCode.zip"] }] }]'

aws iam create-role --role-name Role-for-CloudWatchRule --assume-role-policy-document file://trustpolicyforCWE.json

aws iam put-role-policy --role-name Role-for-CloudWatchRule --policy-name CodePipeline-Permissions-Policy-For-CWE --policy-document file://permissionspolicyforCWE.json

**CloudWatch:**

trustpolicyforCWE.json

{

"Version": "2012-10-17",

"Statement": [

{

"Effect": "Allow",

"Principal": {

"Service": "events.amazonaws.com"

},

"Action": "sts:AssumeRole"

}

]

}

permissionspolicyforCWE.json

{

"Version": "2012-10-17",

"Statement": [

{

"Effect": "Allow",

"Action": [

"codepipeline:StartPipelineExecution"

],

"Resource": "\*"

}

]

}

aws cloudtrail create-trail --name codepipeline-author-writeback --s3-bucket-name

aws cloudtrail start-logging --name codepipeline-author-writeback

aws cloudtrail put-event-selectors --trail-name my-trail --event-selectors '[{ "ReadWriteType": "WriteOnly", "IncludeManagementEvents":false, "DataResources": [{ "Type": "AWS::S3::Object", "Values": ["arn:aws:s3:::myBucket/myFolder/file.zip"] }] }]'

aws cloudtrail put-event-selectors --trail-name codepipeline-author-writeback --event-selectors='[{ "ReadWriteType": "WriteOnly", "IncludeManagementEvents":false, "DataResources": [{ "Type": "AWS::S3::Object", "Values": ["arn:aws:s3:::codepipeline-author-writeback/AuthoringFrontendSourceCode.zip"] }] }]'

aws cloudtrail put-event-selectors --trail-name codepipeline-author-writeback --event-selectors '[{"ReadWriteType": "WriteOnly","IncludeManagementEvents": false,"DataResources": [{"Type":"AWS::S3::Object", "Values": ["arn:aws:s3:::authoring-staging-sourcecode/AuthoringFrontendSourceCode.zip","arn:aws:s3:::authoring-staging-sourcecode/authoringBackendSourceCode.zip"] }] }]'

aws iam create-role --role-name Role-for-CloudWatchRule --assume-role-policy-document file://trustpolicyforCWE.json

aws iam put-role-policy --role-name Role-for-CloudWatchRule --policy-name CodePipeline-Permissions-Policy-For-CWE --policy-document file://permissionspolicyforCWE.json

aws events put-rule --name "MyS3SourceRule" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"my-bucket\"],\"key\":[\"my-key\"]}}}

#########CloudWatchRule###############

aws events put-rule --name "authoring-backend-rule" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"authoring-staging-sourcecode\"],\"key\":[\"authoringBackendSourceCode.zip\"]}}}

aws events put-targets --rule authoring-backend-rule --targets Id=1,Arn=arn:aws:codepipeline:us-west-2:153279871056:authoring-backend-pipeline-Pipeline-U7Z3SIN8JZXD,"RoleArn"="arn:aws:iam::153279871056:role/Role-for-CloudWatchRule"

#######################

aws events put-rule --name "writeback-frontend-rule" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"writeback-staging-sourcecode\"],\"key\":[\"WriteBackFrontendSourceCode.zip\"]}}}

aws events put-targets --rule writeback-frontend-rule --targets Id=1,Arn=arn:aws:codepipeline:us-west-2:153279871056:writeback-frontend-pipeline-Pipeline-CK48R7J97UQTD,"RoleArn"="arn:aws:iam::153279871056:role/Role-for-CloudWatchRule"

#############################

aws events put-rule --name "writeback-backend-rule" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"writeback-staging-sourcecode\"],\"key\":[\"WriteBackBackendSourceCode.zip\"]}}}

aws events put-targets --rule writeback-backend-rule --targets Id=1,Arn=arn:aws:codepipeline:us-west-2:153279871056:writeback-backend-pipeline-Pipeline-5IH6ZHFBOWHL,"RoleArn"="arn:aws:iam::153279871056:role/Role-for-CloudWatchRule"

##############################

For WriteBack Frontend:

aws events put-rule --name "writeback-frontend-rule" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"writeback-staging-sourcecode\"],\"key\":[\"WriteBackFrontendSourceCode.zip\"]}}}

aws events put-targets --rule **dev-authoring-backend-rule** --targets Id=1,Arn= arn:aws:codepipeline:us-west-2:153279871056:Dev-Author-backend-pipeline-Pipeline-1EQLWC1J7XG4I,"RoleArn"="arn:aws:iam::153279871056:role/Role-for-CloudWatchRule"

For WriteBack Backend:

aws events put-rule --name "writeback-backend-rule" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"writeback-staging-sourcecode\"],\"key\":[\"WriteBackBackendSourceCode.zip\"]}}}

aws events put-targets --rule writeback-backend-rule --targets Id=1,Arn=arn:aws:codepipeline:us-west-2:153279871056:writeback-backend-pipeline-Pipeline-5IH6ZHFBOWHL,"RoleArn"="arn:aws:iam::153279871056:role/Role-for-CloudWatchRule"

aws events put-rule --name "dev-writeback-backend-rule" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"writeback-staging-sourcecode\"],\"key\":[\"DevWriteBackBackendSourceCode.zip\"]}}}

aws events put-targets --rule dev-writeback-backend-rule --targets Id=1,Arn= arn:aws:codepipeline:us-west-2:153279871056:Dev-writeback-backend-pipeline-Pipeline-IVZHP939N4ZM,"RoleArn"="arn:aws:iam::153279871056:role/Role-for-CloudWatchRule"

aws events put-rule --name "qa-writeback-backend-rule" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"writeback-staging-sourcecode\"],\"key\":[\"QaWriteBackBackendSourceCode.zip\"]}}}

aws events put-targets --rule qa-writeback-backend-rule --targets Id=1,Arn= arn:aws:codepipeline:us-west-2:153279871056:Qa-writeback-backend-pipeline-Pipeline-123TCUD9TKLIZ,"RoleArn"="arn:aws:iam::153279871056:role/Role-for-CloudWatchRule"

For Author Frontend:

aws events put-rule --name "MyS3SourceRule" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"my-bucket\"],\"key\":[\"my-key\"]}}}

aws events put-targets --rule MyS3SourceRule --targets Id=1,Arn=arn:aws:codepipeline:us-west-2:153279871056:authoring-frontend-pipeline-Pipeline-F3DOYU8857PD,"RoleArn"="arn:aws:iam::153279871056:role/Role-for-CloudWatchRule"

aws codebuild update-project --name [Qa-writeback-backend-CodeBuildProject](https://us-west-2.console.aws.amazon.com/codesuite/codebuild/projects/Qa-writeback-backend-CodeBuildProject/history?region=us-west-2) --source-version Qa

aws codebuild update-project --name [Dev-writeback-backend-CodeBuildProject](https://us-west-2.console.aws.amazon.com/codesuite/codebuild/projects/Dev-writeback-backend-CodeBuildProject/history?region=us-west-2) --source-version Dev

Events:

ProxyResource:

Type: Api

Properties:

Path: /{proxy+}

Method: ANY

RootResource:

Type: Api

Properties:

Path: /

Method: ANY

Outputs:

ApiWriteback:

Description: URL for application

Value: !Sub 'https://${ServerlessRestApi}.execute-api.${AWS::Region}.amazonaws.com/Stage/questions'

Export:

Name: ApiWriteback

Dev

Events:

ProxyResource:

Type: Api

Properties:

Path: /{proxy+}

Method: ANY

RootResource:

Type: Api

Properties:

Path: /

Method: ANY

Outputs:

ApiWriteback:

Description: URL for application

Value: !Sub 'https://${ServerlessRestApi}.execute-api.${AWS::Region}.amazonaws.com/Stage/questions'

Export:

Name: ApiWriteback

 Method Execution / - ANY - Integration Request

${stageVariables.name}:${stageVariables.env}

aws lambda add-permission --function-name "arn:aws:lambda:us-west-2:153279871056:function:WriteBackLambda-WritebackFunction-I46NQ1QTSOEC:Prod" --source-arn "arn:aws:execute-api:us-west-2:153279871056:4mm135rfyl/\*/\*/" --principal apigateway.amazonaws.com --statement-id 30a6d50c-3a90-4f47-ba8d-fb7368e75013 --action lambda:InvokeFunction

aws lambda add-permission --function-name "arn:aws:lambda:us-west-2:153279871056:function:DevWriteBackLambda-WritebackFunction-OQ6ODJD47QWX:Dev" --source-arn "arn:aws:execute-api:us-west-2:153279871056:4mm135rfyl/\*/\*/" --principal apigateway.amazonaws.com --statement-id 30a6d50c-3a90-4f47-ba8d-fb7368e75013 --action lambda:InvokeFunction

aws lambda add-permission --function-name "arn:aws:lambda:us-west-2:153279871056:function:QaWriteBackLambda-WritebackFunction-14KOVTJY5FWM6:Qa" --source-arn "arn:aws:execute-api:us-west-2:153279871056:4mm135rfyl/\*/\*/" --principal apigateway.amazonaws.com --statement-id 30a6d50c-3a90-4f47-ba8d-fb7368e75013 --action lambda:InvokeFunction

aws lambda add-permission --function-name "arn:aws:lambda:us-west-2:153279871056:function:${stageVariables.name}:${stageVariables.env}" --source-arn "arn:aws:execute-api:us-west-2:153279871056:4mm135rfyl/\*/\*/" --principal apigateway.amazonaws.com --statement-id 30a6d50c-3a90-4f47-ba8d-fb7368e75013 --action lambda:InvokeFunction

1. Roles

2. CodeBuildProject

3. CodePipeline – with this lambda and api will be created

4. for the api stages

5. Cloudwatch

6.CloudTrail

7. Webhooks

aws lambda add-permission  --function-name "arn:aws:lambda:us-west-2:153279871056:function:**${stageVariables.name}:${stageVariables.env}**"  --source-arn "arn:aws:execute-api:us-west-2:153279871056:qawlc8w311/\*/\*/\*"  --principal apigateway.amazonaws.com  --statement-id 5f84b27d-932b-4709-b215-720c66d16025  --action lambda:InvokeFunction

aws lambda add-permission  --function-name "arn:aws:lambda:us-west-2:153279871056:function:**${stageVariables.name}:${stageVariables.env}**"  --source-arn "arn:aws:execute-api:us-west-2:153279871056:qawlc8w311/\*/\*/\*"  --principal apigateway.amazonaws.com  --statement-id 5f84b27d-932b-4709-b215-720c66d16025  --action lambda:InvokeFunction

aws lambda add-permission  --function-name "arn:aws:lambda:us-west-2:153279871056:function: devPrimeLambda-LambdaPrimeSurveyFunction-K68AOYWH8GW2:dev --source-arn "arn:aws:execute-api:us-west-2:153279871056:qawlc8w311/\*/\*/\*"  --principal apigateway.amazonaws.com  --statement-id 5f84b27d-932b-4709-b215-720c66d16025  --action lambda:InvokeFunction

aws lambda add-permission  --function-name "arn:aws:lambda:us-west-2:153279871056:function: PrimeLambda-LambdaPrimeSurveyFunction-B7V0HAJKMMM3**:prod**"  --source-arn "arn:aws:execute-api:us-west-2:153279871056:qawlc8w311/\*/\*/\*"  --principal

apigateway.amazonaws.com  --statement-id 5f84b27d-932b-4709-b215-720c66d16025  --action lambda:InvokeFunction

aws lambda add-permission --function-name "arn:aws:lambda:us-west-2:153279871056:function: PrimeLambda-LambdaPrimeSurveyFunction-B7V0HAJKMMM3**:prod** " --source-arn "arn:aws:execute-api:us-west-2:153279871056:qawlc8w311/\*/\*/\*" --principal apigateway.amazonaws.com --statement-id 5f84b27d-932b-4709-b215-720c66d16025 --action lambda:InvokeFunction

aws lambda add-permission --function-name "arn:aws:lambda:us-west-2:153279871056:function:qaPrimeLambda-LambdaPrimeSurveyFunction-IUI2DBL2O5NZ:qa" --source-arn "arn:aws:execute-api:us-west-2:153279871056:qawlc8w311/\*/\*/\*" --principal apigateway.amazonaws.com --statement-id 5f84b27d-932b-4709-b215-720c66d16025 --action lambda:InvokeFunction

- aws s3 rm s3://authoring-staging-frontend –recursive

- Name: Sonarqube

Actions:

- Name: Build

ActionTypeId:

Category: Build

Owner: AWS

Version: 1

Provider: CodeBuild

InputArtifacts:

- Name: BuildArtifacts

Configuration:

ProjectName: Dev-Author-Sonarqube-CodeBuildProject

RunOrder: 1

aws codebuild create-webhook --project-name Devwriteback-frontend-CodeBuildProject --filter-groups "[[{\"type\":\"EVENT\",\"pattern\":\"PUSH\"},{\"type\":\"HEAD\_REF\",\"pattern\":\"^refs/heads/Dev$\",\"excludeMatchedPattern\":false}]]"

{

"webhook": {

"payloadUrl": "https://codebuild.us-west-2.amazonaws.com/webhooks?t=eyJlbmNyeXB0ZWREYXRhIjoieVRqRzVqQ09LaTYxQXdhVENKbmg2TTlwMDZGcGQ0NzFkRWhOVWNLV2RGT0JScWVrSnVSUUNrcWVxVGJpMGh0NGJHZ2g4WXhTVXRCOE5Cb3ZMdHdIR2pJPSIsIml2UGFyYW1ldGVyU3BlYyI6IlI5Zjhuc2x4QjZOOG5XU2QiLCJtYXRlcmlhbFNldFNlcmlhbCI6MX0%3D&v=1",

"secret": "uDJeLfbdgw\_dWyDUjDvoWTlwkIJXu5z4IWLs78qTBa88fCrX2s--ukwIjnMubqKKzAx4ZfIgS6vOPn8IKoA6lsPUy6g6x0J-zst2K0-7HTpijM3f4Ldv1tcxEyb4g6EIWh\_39yK33FVPxCW5CPfLOJZT0-47iwtZE6NpzfBuzORq9Rfig4zgqmAsOLJhOGvRfEOs2aUXvd4FIE1fJjZRmug-Gbm3hefMBgFjv3mmBceFWWLELTluJtUHfb1fLbOisXGEFDOypmcbZiNGXBoMjc2SfuZE2HZRNHDIZkLAc4sHHSHpSAIYYoEAc7SlPzWF-8pHaWaXv2t6G886-duKmxGvAavR5Uka9Vqy7\_oFlUUNn92Mhdc1VOkoZS1OWr7CYD4KOszsJ5IZD7HD-N4\_YU9u\_cYQCrRyXgjU58dX-dz-AER85YpYP6X5uuatM4A4PxLTfgLr-nl6RovsBGNnH2iZw0\_NdrA2cu-Y2Y8xnzzSWwXkDUXuLURyKTFJdm\_wFaBXPfSVPIPR5z\_3M363tq3hVdGJjtkB2q9fkYsnjbWSVnp9YAkfrKHzpRKO4UqmaGbh6ZpLuXou4RM3FqU8YiWG8ZYRa-0f7C5oZ0JEKc-2vMmUO57pTejGpIHPIWiKL60HWYkZER6OwF8KHibOUcrO3H3clx\_S1JSna63KaymhSapJtl5p1cb3MT9WOS3S\_G1VFm6R6ubXZs0Rkl4xZX4F5CLtVRXG5L-Xf4gU6b-BBgNjNdGwL1dLTFhomNW7rYQxl9d7VXlk4uIOO7QuFHS6zhXFnFNktJUwmbgfqIbuC6L9oVnhscZMMe2Y82AVIe52LaGAFlxybdaSwDy3Mrk2StyE6wdJDdQSNLJSblzjDs3ZYjd2lE4q3DyG2PunICbN8fdY7F-9mAJEry8Anu2ipDKtwVIzaE3L71VvDto69Bn4L\_6zRMwSzh1ID7Oa9eBZmwT6fA24GmL2Lg8NNVGeICNlhLK\_WvFrmLufHrDPm0wwx8tUdRrmpXHuRkc1",

"filterGroups": [

[

{

"type": "EVENT",

"pattern": "PUSH",

"excludeMatchedPattern": false

},

{

"type": "HEAD\_REF",

"pattern": "refs/heads/Dev$",

"excludeMatchedPattern": false

}

]

],

"lastModifiedSecret": 1588832215.234

}

}

aws events put-rule --name "[contentplanning-dev-frontend-usw2](https://s3.console.aws.amazon.com/s3/buckets/contentplanning-dev-frontend-usw2?region=us-west-2)-rule" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"writeback-staging-sourcecode\"],\"key\":[\"DevWriteBackFrontendSourceCode.zip\"]}}}

aws events put-targets --rule Devwriteback-frontend-rule --targets Id=1,Arn=arn:aws:codepipeline:us-west-2:153279871056:Devwriteback-frontend-pipeline-Pipeline-HD6V8KSUU4LC,"RoleArn"="arn:aws:iam::153279871056:role/Role-for-CloudWatchRule"

aws codebuild update-project --name " [ContentPlanning-UAT-backend-codepipeline-CodeBuildProject](https://us-west-2.console.aws.amazon.com/codesuite/codebuild/projects/ContentPlanning-UAT-backend-codepipeline-CodeBuildProject/history?region=us-west-2) " --vpc-config vpcId=vpc-0f0f1377faceb16b2,subnets=subnet-0dabd65b78177c87a,subnet-0ea95922e666c5ce2,securityGroupIds=sg-0326e6f4ed2d60396

aws codebuild update-project --name " [ContentPlanning-UAT-backend-codepipeline-CodeBuildProject](https://us-west-2.console.aws.amazon.com/codesuite/codebuild/projects/ContentPlanning-UAT-backend-codepipeline-CodeBuildProject/history?region=us-west-2) " --vpc-config vpcId= “”

version: 0.2

phases:

install:

runtime-versions:

java: openjdk8

commands:

- wget https://binaries.sonarsource.com/Distribution/sonar-scanner-cli/sonar-scanner-cli-3.3.0.1492-linux.zip

- unzip sonar-scanner-cli-3.3.0.1492-linux.zip

- export PATH=$PATH:./sonar-scanner-3.3.0.1492-linux/bin/

- echo "sonar.host.url=http://100.126.51.174:8080

/" >> ./sonar-scanner-3.3.0.1492-linux/conf/sonar-scanner.properties

build:

commands:

- sonar-scanner

Recap:

aws cloudformation create-stack --stack-name TVPRecap-UAT-DevOpsRoles-usw2 --template-body file://C:/Users/AH160606/Desktop/Recap/single-stack.yml --capabilities CAPABILITY\_NAMED\_IAM

arn:aws:iam::153279871056:role/TVPRecapCodePipelineLambdaRole

arn:aws:iam::153279871056:role/TVPRecapCodepipelineRole

arn:aws:iam::153279871056:role/TVPRecapCodeBuildRole

aws codebuild create-webhook --project-name [TVPRecap-backend-CodeBuildProject-usw2](https://us-west-2.console.aws.amazon.com/codesuite/codebuild/153279871056/projects/TVPRecap-backend-CodeBuildProject-usw2/history?region=us-west-2) --filter-groups "[[{\"type\":\"EVENT\",\"pattern\":\"PUSH\"},{\"type\":\"HEAD\_REF\",\"pattern\":\"^refs/heads/Dev/Qa$\",\"excludeMatchedPattern\":false}]]"

{

"webhook": {

"payloadUrl": "https://codebuild.us-west-2.amazonaws.com/webhooks?t=eyJlbmNyeXB0ZWREYXRhIjoiQXA1elBYQ3hHK0FWUTBPaDRKNDhJVnoraHVjQmhEOFpsNWhxaHQvWGtzZUNDbE1HZmFaZWZnYzB0Y1BFSnAycE0wQzhWdG1NWVQrM21pdDdsVDNwYXM0PSIsIml2UGFyYW1ldGVyU3BlYyI6IlZPaUEvVXpoL3VWaFVCalUiLCJtYXRlcmlhbFNldFNlcmlhbCI6MX0%3D&v=1",

"secret": "OJzAo0V87BmxR\_d0O84hvTcOWlsij\_lIu2wZF\_CIBG5wgxt4dXktvkr\_UEnw43pbI-xwxfINKeFO3PvLAE7BKnWAfITe\_7CCmCm6A94CiCfh\_OBq5DfK--kBSy5JLkKySxHh3MgtKdm0LsJKJjaFUCKoJUCmk\_JxgWtOR9ETbQPgy0bWhXmdMKWUgdBjVnIbtYUzx2q0tCEAunmllYQSEzWIjjHlFxEwriyykO5mARXymoYplcnGa45a4jwsOXZayqz-qevq-SzZmZE\_7FDju\_b-gBInxob0SEc41OKG\_4EnTsBkQwEFKmIFAu3qQ3T1DCiJ62tQQW-Z7iVdF7p39b\_S2tUwS4rgkbh7\_aKB8JYQ8Ea50VB5WiKobtSlqnewhHdCQrqdX9YFryGkuCM2aM6vrkabGss9zFs-M85FjLL8l9n70wD7rjFeGgNfHNGItsXHfGAhCe0ZXA8fFb0cQRtVDb7xt8Hrn9BQQ3kNwrJ5P8-AlKpgOC1Ebb3aYrYbkYSniTL9w62rYDCfhHzNyazNx7CgYly0oixdceFGagALmDvijA9SEeBlA6IdI0rYJUY59jwEHGgjr3fPjDTnLrPBCrFuU31fOnhUmYxg17zM555s5qy5MKUz9MTJ7hNPD\_Up\_OutsvXt6QNyg5lVq0pLWmBRIX005TaM950iskDfrEcl4Asn97U-adXqXoSLIwkXkprXwzeZV1crESaZnmSWjFaNQHHn88ndJaAmw8qjFKmbayrKVzRacUdAMb3oq58t72AQByEltUa\_hAGlCFpqRQIuf9ewhyjcAT4LmqBTH0DLdv7us3E81-UjbLhbuO0pJTAnQfNDlQlacw-EDZdRj4AEDrXu1z\_-m9MacvzIkPd00QieNTijWYDLMPky464To9cfTnFYr-XTu9kuFAYH-T4oSfYyC0y5UeuHW3HFtVpo7RtaHoKwKexQZQ640C2C3u9uk9rJSGYwHmFl1gWWKi-iFbUTeV\_nwqMwz\_iGLZvWCBK7-nvr1-m2WFym",

aws codebuild create-webhook --project-name [TVPRecap-frontend-CodeBuildProject-usw2](https://us-west-2.console.aws.amazon.com/codesuite/codebuild/153279871056/projects/TVPRecap-frontend-CodeBuildProject-usw2/history?region=us-west-2) --filter-groups "[[{\"type\":\"EVENT\",\"pattern\":\"PUSH\"},{\"type\":\"HEAD\_REF\",\"pattern\":\"^refs/heads/Dev/Qa$\",\"excludeMatchedPattern\":false}]]"

{

"webhook": {

"payloadUrl": "https://codebuild.us-west-2.amazonaws.com/webhooks?t=eyJlbmNyeXB0ZWREYXRhIjoiVWhhMEpBRzF4K3lxcnV6a1NWRXEwQXZLR1M4NTljR2UwZlhKanVkUUhLVHZ5TitRb3lxN0hCeUNiaFowOTMrNjlCT0VadkpQUmYwaFF5WHZFRFM1MkhFPSIsIml2UGFyYW1ldGVyU3BlYyI6InRHaHlueDVhejd1cmRwTnoiLCJtYXRlcmlhbFNldFNlcmlhbCI6MX0%3D&v=1",

"secret": "mjEPYP8dDT1uy1lHNp5XuEpS0slacPn\_v3NsvpYvqGqQR29QlKy4SUkZaEEDQFeo9Bg53FPrgfuTJMcK0gBqEv\_WQ4a3RFDnaWi7BdbDWcSyGLRC7vab1NMKg83HWWm2vqspgscdXqR3MdMEsAYGC6KWiq8xYJ9w6SN\_UQ2e-EHOAzZQ5Zf0mlItqu8bGcfD9lKaEObBw4dksLcbLUMPh6b-he9cm2O6FfjfuVSlfOzBwmYlT0lfh\_3qhr1N3VxCueYIzWXrMyE687dW\_ilu0YBsK1SH3u21rhcIARn6pm8MQec3F5Gz\_k5aT6f2e83NxgOo0xBY3IIoKO4OiQInU5SXGRQDBKtrh8LhSlfyBzYFn1DO\_0BuOkarOf2y-YNyEB8bnWMCgz8KQgSRcpKkjpj0gdznKq3ib4fGhqfRh2cK3CcDTsTOq43QRDWtyirUrvNWHvidJ-FiaBBTIrTUllI3ghQuPVmN8xapzB7FK9j1aY3pYE4aAQqWymAILo1V7eNl41WvDj13rDkElOaAYtyIe7\_3EPO38sd6mqpcAV1XZo42NdRfpmD-kJ\_NB9zlkcnk2P\_beFEPjjkqb9sRJQIn1vc8ejnZ8RL0oZNGUqWCV\_w1wLC4QlUqNVzoWL6xACZHQ7wWy6SmLwUtAU1Q6Cb1AstcuNujfO5o\_\_zsU5U0BfIoSmwp81R0q0NvN06W8XtWtC2A7o8znmp9m6Fz9UPXzeFUQy2rwyY5KGe1A-yw42WrGbvvxOAbqn5JqMOgLkZepGxocuXqdrCcVNdSnrnBEdCAKM6OZA6r035DCpT2jtNTlQZyYgkEHB2iGEJu5jmn9t\_uSyKenzTrsw1r5YUkuRCBr3dMtTFUOVAD2cG-HaPw3AvrRMH7dDE12dCgZBePaoXvilkksySANeLnh7uQvzPsxjIbMDvxJJRRayfqOIu4jQSEphj7qhzJJtlc80wuvHec-RjHBIpuHSN6UDAk0VvSdAceSEq4Fb9AZh\_zJlm1H8nBeUr0y7xMRItE",

CPT:

aws codebuild create-webhook --project-name [ContentPlanning-beCodeBuildProject-use1](https://console.aws.amazon.com/codesuite/codebuild/153279871056/projects/ContentPlanning-beCodeBuildProject-use1/history?region=us-east-1) --filter-groups "[[{\"type\":\"EVENT\",\"pattern\":\"PUSH\"},{\"type\":\"HEAD\_REF\",\"pattern\":\"^refs/heads/Dev/Qa$\",\"excludeMatchedPattern\":false}]]"

C:\Users\AH160606>aws codebuild create-webhook --project-name ContentPlanning-beCodeBuildProject-use1 --filter-groups "[[{\"type\":\"EVENT\",\"pattern\":\"PUSH\"},{\"type\":\"HEAD\_REF\",\"pattern\":\"^refs/heads/Dev/Qa$\",\"excludeMatchedPattern\":false}]]"

{

"webhook": {

"payloadUrl": "https://codebuild.us-east-1.amazonaws.com/webhooks?t=eyJlbmNyeXB0ZWREYXRhIjoiS2puK0lHUEFEdWpmN2hCcUxkVnNwR3BDRE1sekNKaklGYjcwdnU3K2VMMVNoR1RtKzVJenErRlNadDJ5ZU1VcmFlL2psRHlXREh0aXV4anpsRjRmaEVZPSIsIml2UGFyYW1ldGVyU3BlYyI6IjFManRGZVhCZ3dYUFp0Q0YiLCJtYXRlcmlhbFNldFNlcmlhbCI6MX0%3D&v=1",

"secret": "ZlFsXKV6azGlOe60XcnzRkfp0jOl\_aFzhjDrbC6owWsADZoK7RpmPJRRcC4PbpESn059dBojFLqXwBX7nqEoMGMeWOdQyaGDFMrFHJCCZxLQ9U1o5qAMaELZlueGAcpbQVkMuyEraBBppwx1fj7yjVQXsqiT4ehbwu1NADcRgxBslrPkYO5fOonuu\_8kT71rZP0qa9GorHmh7R9DmIisiUTnC6JwFAWIgwqw9HkEBVCT9C3\_aRbQsd4MCIzQEdj0FA4d6vLT-fjGuSNyC0KWOMu8ruvd3tQB1H0OT3TPYyCHKklKcdVjzI4CzkhpyY32XhCW7vd7MTZH4lo4vIWy8nbIl3MtvBZxexm8toBhRjcvaAyE9FHbFlMqUiQKj-pQP0L6Z194nisd4GJn4\_J-gBRgI\_EDQPZ9\_Ux4ng0yWKLNgctvQwDnm-LCCIbLnkY4oQaUeH4BtrA1i7ppDQdC8TaFIFRbQVy4V\_5fUBxeGG88dpu85NxLQuTMlbDjTfo\_DLW7pg4fFIDVgQKTXjUE7Yluw39z4ZdVsHLlECzZMDOGYG9WRj\_\_Mz7W2VL26NjI555c9YFvmHjjJGs0Ck8xD-kcWOzuywDwgCCIFemzH1ZgB6FM1Rp3D9yOew4koHClYekYXuZsPrC82EFhEpuOVpMGNqaYRFqcy-NYuUCMXi48keStDb2SsbMy\_BbYMObCv3J7jsbiAib2VS8iO9BFZiMfU31z7XwF19ixNb-FkR8xRanesKTXnuaNEfFO5v7jxBW9ZWa8jDOT0OZNEAriBF5gDrngrkg5KnQMviUSXTF91C\_hiC4\_wJDgYlT5yuawoJRmoUJTA883xbIR5LUIESjk-Mtfcy8KSlgjFpWpMO7AaaZcwJJ7h2DdmjvmuHuEEmzHq9tMz7KFBmX5R4aHgZHgvY4yARkpW5Q-hvPRgM7MDpib5rEszZkcs4MksjUwxcBZv3wANI7Vb1dpapfW6XQUanSBCwYNce2gKQNme7PEGPOUYDFGentfSLhvduOh",

aws codebuild create-webhook --project-name [ContentPlanning-feCodeBuildProject-use1](https://console.aws.amazon.com/codesuite/codebuild/153279871056/projects/ContentPlanning-feCodeBuildProject-use1/history?region=us-east-1)--filter-groups "[[{\"type\":\"EVENT\",\"pattern\":\"PUSH\"},{\"type\":\"HEAD\_REF\",\"pattern\":\"^refs/heads/Dev/Qa$\",\"excludeMatchedPattern\":false}]]"

"webhook": {

"payloadUrl": "https://codebuild.us-east-1.amazonaws.com/webhooks?t=eyJlbmNyeXB0ZWREYXRhIjoieFpRK3FsN1MxM2lVdjRMRlJ3MU85Zis1Q1IzbmgvMDRMSUY5WVpONFdLTGhnVEdVRjR5STEvTzV3UHlCeU1ZVGo3OGcvc0xleVNDdnJWemNWUFp0Vk1ZPSIsIml2UGFyYW1ldGVyU3BlYyI6Ikx1YmpyN2NEV2ZEbFMySWUiLCJtYXRlcmlhbFNldFNlcmlhbCI6MX0%3D&v=1",

"secret": "q21chs8cNF53E-qLTz6WqYZamUXSkwQlW2u6mPT0poJs0AkAdoxEvbRRekPP5tF-vUwmjqbUyAZpL3U7p9qAjHpM-S56zgSzteCfO8tJYGscI0BG43dAUzlZxt4kCL01dyn-Z20Y7ug9oG44XczRd0xEOi7MKNz1EU857QagnTdGztYMHZZDg8Pt6KO8alwHNy\_CCqGq1vFO2KZxtunzgJqa6h7cU-TxOJ-1dp-dxIfoFR2a\_cUBkRuEZbK5C-xBXwyIeh2I-YHxzqv\_9ga2eCcm0KllblEmj7WTVhhLx3P7fxgs1HhNt1aPvAsd9KtUgw2O40BpRjjkfwd0-ou4QP8czd0kW2oPzxyDyjq1z8zquHhzbjq\_UyVShJfzwbHvspkycJDljXZyFyl6GHGGDfRan2W7MJHuwGxbLgWA0e0vwYtklThmZO4GxcTAp6iPmWRyDhGsaEJIE2rDV9Zz3o99xk8piXI4rpNk6t7ei2iw13JLib9LCgxYEicYHs6xS6fIEp7K99XGUoQU4W76XIL0fQpLPc\_ggAuonMB\_d1f2v0en6YJo-8EipNhkQNvyOp-x\_GqQCs-bwydBOBR7U0cKK8W8IQmUPayLHEZ0dhPTZ-Z08Rj--Vc-yD0cS6FVt1vbfzaoUlV53cdCp\_0B1kWc0bn6VrGWPkGvNFULb4tcCkNkWW2ES60JBA-g4lLLl8l-SHd2X5FMEaAzb3PYmmIMC4reowhhMbc2XNaj4oRQ0-a7s3v72Xk5jTKsD1hkXDR6gtAtif3Br-Hw8qts7d0yOWbLYW-WoBHpQpUCKKdQO6pW-l95emmb92vJviGaMpkU9SQ4f6mdAPA3BtWERws6TvHZ0JVyDezV4\_f-aoE60k9v7DyN8c3hrwxoMRVs6WvfTYZYld5HHXIoni1Z7WrT-sMLsnZ6LEDR-0BiMkb4XondEjzi4j-LaN-OI\_5AFcUfAJaLB9acGnb2xYtE30QOGfHLrRLO9J2YYpLBRiv0HMSKdd5HJdiPYZqtNKNn",

aws iam create-role --role-name ContentPlanning-CodePipeline-CloudwatchRole --assume-role-policy-document file://trustpolicyforCWE.json

aws iam put-role-policy --role-name ContentPlanning-CodePipeline-CloudwatchRole --policy-name CodePipeline-Permissions-Policy-For-CWE --policy-document <file://permissionspolicyforCWE.json>

aws events put-rule --name "contentplanning-frontend-use1-rule" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"contentplanning-uat-sourcecode-use1\"],\"key\":[\"ContentPlanningFrontendSourceCode.zip\"]}}}

aws events put-targets --rule contentplanning-frontend-use1-rule –targets Id=1,Arn=arn:aws:codepipeline:us-east-1:153279871056:ContentPlanning-feCodePipeline-use1-Pipeline-13B2I4PR07OTD,"RoleArn"="arn:aws:iam::153279871056:role/ContentPlanning-CodePipeline-CloudwatchRole"

aws events put-rule --name "[TVPRecap-db-backend-usw2-rule](https://us-west-2.console.aws.amazon.com/cloudwatch/home?region=us-west-2#rules:name=TVPRecap-backend-usw2-rule)" --event-pattern "{\"source\":[\"aws.s3\"],\"detail-type\":[\"AWS API Call via CloudTrail\"],\"detail\":{\"eventSource\":[\"s3.amazonaws.com\"],\"eventName\":[\"CopyObject\",\"PutObject\",\"CompleteMultipartUpload\"],\"requestParameters\":{\"bucketName\":[\"tvprecap-uat-sourcecode-usw2\"],\"key\":[\"tvpRecapDBBackendSourceCode.zip\"]}}}

aws events put-targets --rule [TVPRecap-db-backend-usw2-rule](https://us-west-2.console.aws.amazon.com/cloudwatch/home?region=us-west-2#rules:name=TVPRecap-backend-usw2-rule) –targets Id=1,Arn=arn:aws:codepipeline:us-west-2:153279871056:TVPRecap-DB-Backend-CodePipeline-usw2-Pipeline-6OXWVWB0NXD5,"RoleArn"="arn:aws:iam::153279871056:role/TVPRecap-CodePipeline-CloudwatchRole"

arn:aws:codepipeline:us-east-1:153279871056:ContentPlanning-beCodePipeline-use1-Pipeline-1BNHFPXFWJKMR

aws codebuild create-webhook --project-name [TVPRecap-DBbackend-CodeBuildProject-usw2](https://us-west-2.console.aws.amazon.com/codesuite/codebuild/153279871056/projects/TVPRecap-DBbackend-CodeBuildProject-usw2/history?region=us-west-2) --filter-groups "[[{\"type\":\"EVENT\",\"pattern\":\"PUSH\"},{\"type\":\"HEAD\_REF\",\"pattern\":\"^refs/heads/Dev/Qa$\",\"excludeMatchedPattern\":false}]]"

aws iam detach-role-policy --role-name [ContentPlanningLambdaApiRole-DEV](https://console.aws.amazon.com/iam/home?region=us-east-1#/roles/ContentPlanningLambdaApiRole-DEV) --policy-arn arn:aws:iam::aws:policy/service-role/AWSLambdaVPCAccessExecutionRole

aws iam delete-role --role-name ContentPlanningCloudWatchRole-DEV

aws iam delete-role-policy --role-name [ContentPlanningLambdaApiRole-DEV](https://console.aws.amazon.com/iam/home?region=us-east-1#/roles/ContentPlanningLambdaApiRole-DEV) --policy-name LambdaPolicy