IAM roles for Lambda 0:

LambdaS3UploadRole Info

Allows Lambda functions to call AWS services on your behalf.

Summary

Creation date
September 28, 2025, 15:15 (UTC-04:00)

Last activity
⊘ Yesterday

ARN
arn:aws:iam::791272970845:role/LambdaS3UploadRole

Maximum session duration
1 hour

Permissions | Trust relationships | Tags | Last Accessed | Revoke sessions

Permissions policies (2) Info

You can attach up to 10 managed policies.

Simulate

Search		Filter by Type
		All types ▼

	Policy name ↗	▲	Type	▽	Attached entities
☐ ⊞ 📦	AmazonS3FullAccess		AWS managed		2
☐ ⊞ 📦	AWSLambdaBasicExecutionRole		AWS managed		3

AWSLambdaBasicExecutionRole Info

Provides write permissions to CloudWatch Logs.

Policy details

Type
AWS managed

Creation tim
April 09, 201

Permissions   Entities attached   Policy versions (1)

Permissions defined in this policy Info

Permissions defined in this policy document specify which actions are a

```
1  {
2      "Version": "2012-10-17",
3      "Statement": [
4          {
5              "Effect": "Allow",
6              "Action": [
7                  "logs:CreateLogGroup",
8                  "logs:CreateLogStream",
9                  "logs:PutLogEvents"
10             ],
11             "Resource": "*"
12         }
13     ]
14 }
```

AmazonS3FullAccess Info

Provides full access to all buckets via the AWS Managemer

Policy details

Type

AWS managed

Permissions	Entities attached	Policy

Permissions defined in this policy Info

Permissions defined in this policy document specify wh

```json
1  {
2      "Version": "2012-10-17",
3      "Statement": [
4          {
5              "Effect": "Allow",
6              "Action": [
7                  "s3:*",
8                  "s3-object-lambda:*"
9              ],
10             "Resource": "*"
11         }
12     ]
13 }
```

Lambda 1

```python
import os, json, base64, logging, shutil, re, uuid, datetime, time, random
from typing import Any, Dict
from urllib.parse import unquote_plus
from decimal import Decimal
from string import Template  # kept for future use if needed

import boto3
from botocore.exceptions import (
    ClientError,
    EndpointConnectionError,
```

IAM roles for Lambda 1:

S3TriggerInput Info

Summary

Creation date
September 09, 2025, 09:03 (UTC-04:00)

Last activity
⊘ Yesterday

ARN
⧉ arn:aw

Maximum
1 hour

| Permissions | Trust relationships | Tags | Last Accessed | Revoke sessions |

Permissions policies (8) Info

You can attach up to 10 managed policies.

🔍 Search

Filter by Type
All types

☐	Policy name ↗	▲	Type	▽	Attach
☐	⊞ allow-textract		Customer inline		0
☐	⊞ AWSLambdaBasicExecutionRole-3d687a...		Customer managed		1
☐	⊞ 🟧 AWSLambdaRole		AWS managed		3
☐	⊞ AWSLambdaS3ExecutionRole-e710188b...		Customer managed		3
☐	⊞ bedrock-test		Customer inline		0
☐	⊞ DynamoDB_table_master_2		Customer inline		0
☐	⊞ s3-files-delete-policy		Customer inline		0
☐	⊞ Trigger_Lambda_3		Customer inline		0

AWSLambdaBasicExecutionRole-3d687a30-edf8-4ff0-9534-9681dbd4169c Info

Policy details

Type
Customer managed

Creation time
September 09, 2025, 09:03 (UTC-04:00)

Edited time
September 09, 2025,

Permissions | Entities attached | Tags | Policy versions (1) | Last Accessed

Permissions defined in this policy Info

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (user, us

```
1  {
2      "Version": "2012-10-17",
3      "Statement": [
4          {
5              "Effect": "Allow",
6              "Action": "logs:CreateLogGroup",
7              "Resource": "arn:aws:logs:us-east-2:791272970845:*"
8          },
9          {
10             "Effect": "Allow",
11             "Action": [
12                 "logs:CreateLogStream",
13                 "logs:PutLogEvents"
14             ],
15             "Resource": [
16                 "arn:aws:logs:us-east-2:791272970845:log-group:/aws/lambda/farhan_test:*"
17             ]
18         }
19     ]
20  }
```

AWSLambdaRole Info

Default policy for AWS Lambda service role.

Policy details

Type
AWS managed

Cre
Feb

Permissions | Entities attached | Policy versio

Permissions defined in this policy Info

Permissions defined in this policy document specify which acti

```
1  {
2      "Version": "2012-10-17",
3      "Statement": [
4          {
5              "Effect": "Allow",
6              "Action": [
7                  "lambda:InvokeFunction"
8              ],
9              "Resource": [
10                  "*"
11             ]
12         }
13     ]
14 }
```

AWSLambdaS3ExecutionRole-e710188b-dd82-4e39-beee-88abd5042f9c

Policy details

Type
Customer managed

Creation time
September 09, 2025, 09:03 (UTC-04:00)

Edite
Septe

Permissions | Entities attached | Tags | Policy versions (1) | Last Accessed

Permissions defined in this policy Info

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM

```
 1  {
 2      "Version": "2012-10-17",
 3      "Statement": [
 4          {
 5              "Effect": "Allow",
 6              "Action": [
 7                  "s3:GetObject"
 8              ],
 9              "Resource": "arn:aws:s3:::*"
10          }
11      ]
12  }
```

Modify permissions in bedrock-test Info

Add permissions by selecting services, actions, resources, and conditions.

Policy editor

```
1 ▼ {
2       "Version": "2012-10-17",
3 ▼     "Statement": [
4 ▼         {
5               "Sid": "InvokeBedrock",
6               "Effect": "Allow",
7 ▼             "Action": [
8                   "bedrock:InvokeModel",
9                   "bedrock:InvokeModelWithResponseStream"
10              ],
11              "Resource": "*"
12          },
13 ▼        {
14              "Sid": "DiscoverModels",
15              "Effect": "Allow",
16 ▼            "Action": [
17                  "bedrock:ListFoundationModels",
18                  "bedrock:GetFoundationModel"
19              ],
20              "Resource": "*"
21          }
22      ]
23 }
```

DymanoDB_table_master_2:
{ "Version": "2012-10-17", "Statement": [{ "Sid": "VisualEditor0", "Effect": "Allow", "Action": ["dynamodb:DescribeImport", "dynamodb:DescribeContributorInsights", "dynamodb:PutResourcePolicy", "dynamodb:Scan", "dynamodb:UpdateContributorInsights", "dynamodb:Query", "dynamodb:DescribeStream", "dynamodb:UpdateGlobalTable", "dynamodb:UpdateGlobalTableSettings", "dynamodb:DescribeGlobalTableSettings", "dynamodb:DeleteResourcePolicy", "dynamodb:PartiQLSelect", "dynamodb:GetShardIterator", "dynamodb:DescribeGlobalTable", "dynamodb:RestoreTableFromBackup", "dynamodb:UpdateGlobalTableVersion", "dynamodb:DescribeExport", "dynamodb:CreateGlobalTable", "dynamodb:GetResourcePolicy",

"dynamodb:DescribeBackup", "dynamodb:DeleteBackup", "dynamodb:GetRecords"],
"Resource": ["arn:aws:dynamodb::*791272970845:table/*/index/",
"arn:aws:dynamodb*::791272970845:table/*/backup/*",
"arn:aws:dynamodb::*791272970845:table/*/import/",
"arn:aws:dynamodb*::791272970845:global-table/*",
"arn:aws:dynamodb::*791272970845:table/*/export/",
"arn:aws:dynamodb*::791272970845:table/*/stream/*"] }, { "Sid": "VisualEditor1", "Effect":
"Allow", "Action": ["dynamodb:DeleteItem", "dynamodb:DescribeContributorInsights",
"dynamodb:PutResourcePolicy", "dynamodb:RestoreTableToPointInTime",
"dynamodb:ListTagsOfResource", "dynamodb:CreateTableReplica",
"dynamodb:UpdateContributorInsights", "dynamodb:UpdateGlobalTable",
"dynamodb:CreateBackup", "dynamodb:DeleteTable",
"dynamodb:UpdateTableReplicaAutoScaling", "dynamodb:UpdateContinuousBackups",
"dynamodb:DeleteResourcePolicy", "dynamodb:PartiQLSelect",
"dynamodb:DescribeTable", "dynamodb:PartiQLInsert", "dynamodb:GetItem",
"dynamodb:DescribeContinuousBackups", "dynamodb:UpdateGlobalTableVersion",
"dynamodb:CreateGlobalTable", "dynamodb:GetResourcePolicy",
"dynamodb:DescribeKinesisStreamingDestination",
"dynamodb:EnableKinesisStreamingDestination", "dynamodb:ImportTable",
"dynamodb:BatchGetItem", "dynamodb:DisableKinesisStreamingDestination",
"dynamodb:UpdateTimeToLive", "dynamodb:BatchWriteItem",
"dynamodb:ConditionCheckItem", "dynamodb:PutItem", "dynamodb:PartiQLUpdate",
"dynamodb:Scan", "dynamodb:Query", "dynamodb:StartAwsBackupJob",
"dynamodb:UpdateItem", "dynamodb:DeleteTableReplica",
"dynamodb:DescribeTimeToLive", "dynamodb:CreateGlobalTableWitness",
"dynamodb:CreateTable", "dynamodb:UpdateGlobalTableSettings",
"dynamodb:DeleteGlobalTableWitness", "dynamodb:RestoreTableFromAwsBackup",
"dynamodb:UpdateKinesisStreamingDestination", "dynamodb:RestoreTableFromBackup",
"dynamodb:ExportTableToPointInTime", "dynamodb:UpdateTable",
"dynamodb:PartiQLDelete", "dynamodb:DescribeTableReplicaAutoScaling"], "Resource":
"arn:aws:dynamodb::*791272970845:table/*" }, { "Sid": "VisualEditor2", "Effect": "Allow",
"Action": ["dynamodb:DescribeReservedCapacityOfferings",
"dynamodb:DescribeReservedCapacity",
"dynamodb:PurchaseReservedCapacityOfferings", "dynamodb:GetAbacStatus",
"dynamodb:UpdateAbacStatus", "dynamodb:DescribeLimits",
"dynamodb:DescribeEndpoints", "dynamodb:ListStreams"], "Resource": "*" }] }

Modify permissions in s3-files-delete-policy Info

Add permissions by selecting services, actions, resources, and conditions. Build permissi

Policy editor

```
 1 ▼ {
 2       "Version": "2012-10-17",
 3 ▼     "Statement": [
 4 ▼         {
 5               "Sid": "AllowDeleteObjects",
 6               "Effect": "Allow",
 7 ▼           "Action": [
 8                   "s3:DeleteObject",
 9                   "s3:DeleteObjectTagging"
10               ],
11               "Resource": "arn:aws:s3:::farhantest01/*"
12           },
13 ▼         {
14               "Sid": "AllowListBucket",
15               "Effect": "Allow",
16 ▼           "Action": [
17                   "s3:ListBucket"
18               ],
19               "Resource": "arn:aws:s3:::farhantest01"
20           }
21       ]
22 }
```

Modify permissions in Trigger_Lambda_3 Info

Add permissions by selecting services, actions, resources, and conditions. Build permission statements using the .

Policy editor

```
1 ▾ {
2       "Version": "2012-10-17",
3 ▾     "Statement": [
4 ▾         {
5               "Effect": "Allow",
6               "Action": "s3:GetObject",
7               "Resource": "arn:aws:s3:::farhantest01/*"
8           },
9 ▾         {
10              "Effect": "Allow",
11              "Action": "lambda:InvokeFunction",
12              "Resource": "arn:aws:lambda:us-east-2:791272970845:function:chi_test02"
13          }
14      ]
15  }
```

Lambda 2

```python
import json
import os
import boto3
import logging
from boto3.dynamodb.conditions import Attr
from botocore.exceptions import ClientError
from typing import List, Dict, Optional, Tuple, Any


# ----------------------------------------------------------------------
# AWS & logging setup
# ----------------------------------------------------------------------
region_name = "us-east-2"

logger = logging.getLogger()
logger.setLevel(logging.INFO)
_MAX_LOG_CHUNK = 60000   # reserved for potential large-log helpers

# Core AWS clients/resources
dynamodb = boto3.resource("dynamodb", region_name)
bedrock = boto3.client("bedrock-runtime", region_name)
```

IAM roles for Lambda 2

DynamoDB_test-role-i2q65tr1 Info

Summary

Creation date
September 28, 2025, 14:03 (UTC-04:00)

Last activity
⊘ Yesterday

ARN
⊡ arn:aws:iam::791272970845:role/service-rol

Maximum session duration
1 hour

Permissions | Trust relationships | Tags | Last Accessed | Revoke sessions

Permissions policies (5) Info

You can attach up to 10 managed policies.

	Policy name ↗	Type	Attach
☐ ⊞ 📦 AmazonBedrockFullAccess		AWS managed	5
☐ ⊞ 📦 AWSLambdaBasicExecutionRole		AWS managed	3
☐ ⊞ AWSLambdaBasicExecutionRole-bfd99ee3-af6a-4738-9011...		Customer managed	1
☐ ⊞ 📦 AWSLambdaRole		AWS managed	3
☐ ⊞ DynamoDB_table_master		Customer inline	0

AmazonBedrockFullAccess:

{ "Version": "2012-10-17", "Statement": [{ "Sid": "BedrockAll", "Effect": "Allow", "Action": ["bedrock:*"], "Resource": "*" }, { "Sid": "BedrockMantleAll", "Effect": "Allow", "Action": ["bedrock-mantle:*"], "Resource": "*" }, { "Sid": "DescribeKey", "Effect": "Allow", "Action": ["kms:DescribeKey"], "Resource": "arn:*:kms:*:::*" }, { "Sid": "APIsWithAllResourceAccess", "Effect": "Allow", "Action": ["iam:ListRoles", "ec2:DescribeVpcs", "ec2:DescribeSubnets", "ec2:DescribeSecurityGroups"], "Resource": "*" }, { "Sid": "MarketplaceModelEndpointMutatingAPIs", "Effect": "Allow", "Action": ["sagemaker:CreateEndpoint", "sagemaker:CreateEndpointConfig", "sagemaker:CreateModel", "sagemaker:DeleteEndpoint", "sagemaker:UpdateEndpoint"], "Resource": ["arn:aws:sagemaker:*:*:endpoint/*", "arn:aws:sagemaker:*:*:endpoint-config/*", "arn:aws:sagemaker:*:*:model/*"], "Condition": { "StringEquals": { "aws:CalledViaLast": "bedrock.amazonaws.com", "aws:ResourceTag/sagemaker-sdk:bedrock": "compatible" } } }, { "Sid": "MarketplaceModelEndpointAddTagsOperations", "Effect": "Allow", "Action": ["sagemaker:AddTags"], "Resource": ["arn:aws:sagemaker:*:*:endpoint/*", "arn:aws:sagemaker:*:*:endpoint-config/*", "arn:aws:sagemaker:*:*:model/*"], "Condition": { "ForAllValues:StringEquals": { "aws:TagKeys": ["sagemaker-sdk:bedrock", "bedrock:marketplace-registration-status", "sagemaker-studio:hub-content-arn"] }, "StringLike": { "aws:RequestTag/sagemaker-sdk:bedrock": "compatible", "aws:RequestTag/bedrock:marketplace-registration-status": "registered",

"aws:RequestTag/sagemaker-studio:hub-content-arn": "arn:aws:sagemaker::*aws:hub-content/SageMakerPublicHub/Model/*" } } }, { "Sid": "MarketplaceModelEndpointDeleteTagsOperations", "Effect": "Allow", "Action": ["sagemaker:DeleteTags"], "Resource": ["arn:aws:sagemaker:::endpoint/*, "arn:aws:sagemaker:::endpoint-config/*", "arn:aws:sagemaker:::model/*"], "Condition": { "ForAllValues:StringEquals": { "aws:TagKeys": ["sagemaker-sdk:bedrock", "bedrock:marketplace-registration-status", "sagemaker-studio:hub-content-arn"] }, "StringLike": { "aws:ResourceTag/sagemaker-sdk:bedrock": "compatible", "aws:ResourceTag/bedrock:marketplace-registration-status": "registered", "aws:ResourceTag/sagemaker-studio:hub-content-arn": "arn:aws:sagemaker::aws:hub-content/SageMakerPublicHub/Model/*" } } }, { "Sid": "MarketplaceModelEndpointNonMutatingAPIs", "Effect": "Allow", "Action": ["sagemaker:DescribeEndpoint", "sagemaker:DescribeEndpointConfig", "sagemaker:DescribeModel", "sagemaker:DescribeInferenceComponent", "sagemaker:ListEndpoints", "sagemaker:ListTags"], "Resource": ["arn:aws:sagemaker:::endpoint/*", "arn:aws:sagemaker:::endpoint-config/*, "arn:aws:sagemaker:::model/*"], "Condition": { "StringEquals": { "aws:CalledViaLast": "bedrock.amazonaws.com" } } }, { "Sid": "MarketplaceModelEndpointInvokingOperations", "Effect": "Allow", "Action": ["sagemaker:InvokeEndpoint", "sagemaker:InvokeEndpointWithResponseStream"], "Resource": ["arn:aws:sagemaker:::endpoint/*"], "Condition": { "StringEquals": { "aws:CalledViaLast": "bedrock.amazonaws.com", "aws:ResourceTag/sagemaker-sdk:bedrock": "compatible" } } }, { "Sid": "DiscoveringMarketplaceModel", "Effect": "Allow", "Action": ["sagemaker:DescribeHubContent"], "Resource": ["arn:aws:sagemaker::aws:hub-content/SageMakerPublicHub/Model/*, "arn:aws:sagemaker::aws:hub/SageMakerPublicHub"] }, { "Sid": "AllowMarketplaceModelsListing", "Effect": "Allow", "Action": ["sagemaker:ListHubContents"], "Resource": "arn:aws:sagemaker::*aws:hub/SageMakerPublicHub" }, { "Sid": "PassRoleToSageMaker", "Effect": "Allow", "Action": ["iam:PassRole"], "Resource": ["arn:aws:iam:::role/*SageMaker*ForBedrock*"], "Condition": { "StringEquals": { "iam:PassedToService": ["sagemaker.amazonaws.com", "bedrock.amazonaws.com"] } } }, { "Sid": "PassRoleToBedrock", "Effect": "Allow", "Action": ["iam:PassRole"], "Resource": "arn:aws:iam:::*role/AmazonBedrock*", "Condition": { "StringEquals": { "iam:PassedToService": ["bedrock.amazonaws.com"] } } }, { "Sid": "MarketplaceOperationsFromBedrockFor3pModels", "Effect": "Allow", "Action": ["aws-marketplace:Subscribe", "aws-marketplace:ViewSubscriptions", "aws-marketplace:Unsubscribe"], "Resource": "*", "Condition": { "StringEquals": { "aws:CalledViaLast": "bedrock.amazonaws.com" } } }] }

AWSLambdaBasicExecutionRole Info

Provides write permissions to CloudWatch Logs.

Policy details

Type
AWS managed

Crea
Apri

Permissions | Entities attached | Policy version

Permissions defined in this policy Info

Permissions defined in this policy document specify which action

```
1  {
2       "Version": "2012-10-17",
3       "Statement": [
4           {
5               "Effect": "Allow",
6               "Action": [
7                   "logs:CreateLogGroup",
8                   "logs:CreateLogStream",
9                   "logs:PutLogEvents"
10              ],
11              "Resource": "*"
12          }
13      ]
14  }
```

AWSLambdaBasicExecutionRole-bfd99ee3-af6a-4738-9011-7f75968fc1aa Info

Policy details

Type
Customer managed

Creation time
September 28, 2025, 14:03 (UTC-04:00)

Edited time
September 28

Permissions | Entities attached | Tags | **Policy versions** (1) | **Last Accessed**

Permissions defined in this policy Info

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity

```
1  {
2      "Version": "2012-10-17",
3      "Statement": [
4          {
5              "Effect": "Allow",
6              "Action": "logs:CreateLogGroup",
7              "Resource": "arn:aws:logs:us-east-2:791272970845:*"
8          },
9          {
10             "Effect": "Allow",
11             "Action": [
12                 "logs:CreateLogStream",
13                 "logs:PutLogEvents"
14             ],
15             "Resource": [
16                 "arn:aws:logs:us-east-2:791272970845:log-group:/aws/lambda/DynamoDB_test:*"
17             ]
18         }
19     ]
20  }
```

AWSLambdaRole Info

Default policy for AWS Lambda service role.

Policy details

Type
AWS managed

Crea
Febr

Permissions   Entities attached   Policy version

Permissions defined in this policy Info

Permissions defined in this policy document specify which actio

```json
1   {
2       "Version": "2012-10-17",
3       "Statement": [
4           {
5               "Effect": "Allow",
6               "Action": [
7                   "lambda:InvokeFunction"
8               ],
9               "Resource": [
10                  "*"
11              ]
12          }
13      ]
14  }
```

DynamoDB_table_master:
{ "Version": "2012-10-17", "Statement": [{ "Sid": "VisualEditor0", "Effect": "Allow", "Action": [
"dynamodb:DescribeImport", "dynamodb:DescribeContributorInsights",
"dynamodb:PutResourcePolicy", "dynamodb:Scan",
"dynamodb:UpdateContributorInsights", "dynamodb:Query", "dynamodb:DescribeStream",
"dynamodb:UpdateGlobalTable", "dynamodb:UpdateGlobalTableSettings",
"dynamodb:DescribeGlobalTableSettings", "dynamodb:DeleteResourcePolicy",
"dynamodb:PartiQLSelect", "dynamodb:GetShardIterator",
"dynamodb:DescribeGlobalTable", "dynamodb:RestoreTableFromBackup",
"dynamodb:UpdateGlobalTableVersion", "dynamodb:DescribeExport",
"dynamodb:CreateGlobalTable", "dynamodb:GetResourcePolicy",

"dynamodb:DescribeBackup", "dynamodb:DeleteBackup", "dynamodb:GetRecords"],
"Resource": ["arn:aws:dynamodb::*791272970845:table/*/index/*",
"arn:aws:dynamodb*::791272970845:table/*/backup/*",
"arn:aws:dynamodb::*791272970845:table/*/import/*",
"arn:aws:dynamodb*::791272970845:global-table/*",
"arn:aws:dynamodb::*791272970845:table/*/export/*",
"arn:aws:dynamodb*::791272970845:table/*/stream/*"] }, { "Sid": "VisualEditor1", "Effect":
"Allow", "Action": ["dynamodb:DeleteItem", "dynamodb:DescribeContributorInsights",
"dynamodb:PutResourcePolicy", "dynamodb:RestoreTableToPointInTime",
"dynamodb:ListTagsOfResource", "dynamodb:CreateTableReplica",
"dynamodb:UpdateContributorInsights", "dynamodb:UpdateGlobalTable",
"dynamodb:CreateBackup", "dynamodb:DeleteTable",
"dynamodb:UpdateTableReplicaAutoScaling", "dynamodb:UpdateContinuousBackups",
"dynamodb:DeleteResourcePolicy", "dynamodb:PartiQLSelect",
"dynamodb:DescribeTable", "dynamodb:PartiQLInsert", "dynamodb:GetItem",
"dynamodb:DescribeContinuousBackups", "dynamodb:UpdateGlobalTableVersion",
"dynamodb:CreateGlobalTable", "dynamodb:GetResourcePolicy",
"dynamodb:DescribeKinesisStreamingDestination",
"dynamodb:EnableKinesisStreamingDestination", "dynamodb:ImportTable",
"dynamodb:BatchGetItem", "dynamodb:DisableKinesisStreamingDestination",
"dynamodb:UpdateTimeToLive", "dynamodb:BatchWriteItem",
"dynamodb:ConditionCheckItem", "dynamodb:PutItem", "dynamodb:PartiQLUpdate",
"dynamodb:Scan", "dynamodb:Query", "dynamodb:StartAwsBackupJob",
"dynamodb:UpdateItem", "dynamodb:DeleteTableReplica",
"dynamodb:DescribeTimeToLive", "dynamodb:CreateGlobalTableWitness",
"dynamodb:CreateTable", "dynamodb:UpdateGlobalTableSettings",
"dynamodb:DeleteGlobalTableWitness", "dynamodb:RestoreTableFromAwsBackup",
"dynamodb:UpdateKinesisStreamingDestination", "dynamodb:RestoreTableFromBackup",
"dynamodb:ExportTableToPointInTime", "dynamodb:UpdateTable",
"dynamodb:PartiQLDelete", "dynamodb:DescribeTableReplicaAutoScaling"], "Resource":
"arn:aws:dynamodb::*791272970845:table/*" }, { "Sid": "VisualEditor2", "Effect": "Allow",
"Action": ["dynamodb:DescribeReservedCapacityOfferings",
"dynamodb:DescribeReservedCapacity",
"dynamodb:PurchaseReservedCapacityOfferings", "dynamodb:GetAbacStatus",
"dynamodb:UpdateAbacStatus", "dynamodb:DescribeLimits",
"dynamodb:DescribeEndpoints", "dynamodb:ListStreams"], "Resource": "*" }] }

Lambda 3

9./fetchPatientData.py

```
import boto3
```

```
        parts.append(part)

    formatted = "\n" + "="*80 + "\n"
    formatted += "\n".join(parts)
    formatted += "="*80 + "\n"

    return formatted
```

IAM roles for Lambda 3:

chi_test02-role-lkz196vf Info

Summary

Creation date
September 28, 2025, 12:10 (UTC-04:00)

ARN
⧉ arn:aws:iam::791272970845:role/service-role/chi_tes

Last activity
⊘ Yesterday

Maximum session duration
1 hour

Permissions | Trust relationships | Tags | Last Accessed | Revoke sessions

Permissions policies (6) Info

You can attach up to 10 managed policies.

🔍 Search

Filter by Type
All types ▼

	Policy name ↗ ▲	Type ▽	Attached entiti
☐ ⊞ 📦	AmazonBedrockFullAccess	AWS managed	5
☐ ⊞ 📦	AmazonDynamoDBFullAccess	AWS managed	3
☐ ⊞	AWSLambdaBasicExecutionRole-555b5c2b-229a-43f9-9ba7...	Customer managed	1
☐ ⊞	AWSLambdaS3ExecutionRole-e710188b-dd82-4e39-beee-...	Customer managed	3
☐ ⊞	LLM-permission	Customer inline	0
☐ ⊞	s3-delete-policy	Customer inline	0

AmazonBedrockFullAccess

{ "Version": "2012-10-17", "Statement": [{ "Sid": "BedrockAll", "Effect": "Allow", "Action": ["bedrock:*"], "Resource": "*" }, { "Sid": "BedrockMantleAll", "Effect": "Allow", "Action": ["bedrock-mantle:*"], "Resource": "*" }, { "Sid": "DescribeKey", "Effect": "Allow", "Action": ["kms:DescribeKey"], "Resource": "arn:*:kms:*:*:*" }, { "Sid": "APIsWithAllResourceAccess", "Effect": "Allow", "Action": ["iam:ListRoles", "ec2:DescribeVpcs", "ec2:DescribeSubnets", "ec2:DescribeSecurityGroups"], "Resource": "*" }, { "Sid": "MarketplaceModelEndpointMutatingAPIs", "Effect": "Allow", "Action": ["sagemaker:CreateEndpoint", "sagemaker:CreateEndpointConfig", "sagemaker:CreateModel", "sagemaker:DeleteEndpoint", "sagemaker:UpdateEndpoint"], "Resource": ["arn:aws:sagemaker:*:*:endpoint/*", "arn:aws:sagemaker:*:*:endpoint-config/*", "arn:aws:sagemaker:*:*:model/*"], "Condition": { "StringEquals": { "aws:CalledViaLast":

"bedrock.amazonaws.com", "aws:ResourceTag/sagemaker-sdk:bedrock": "compatible" } }
}, { "Sid": "MarketplaceModelEndpointAddTagsOperations", "Effect": "Allow", "Action": [
"sagemaker:AddTags"], "Resource": ["arn:aws:sagemaker:::endpoint/",
"arn:aws:sagemaker:::endpoint-config/", *"arn:aws:sagemaker:::model/"*], "Condition": {
"ForAllValues:StringEquals": { "aws:TagKeys": ["sagemaker-sdk:bedrock",
"bedrock:marketplace-registration-status", "sagemaker-studio:hub-content-arn"] },
"StringLike": { "aws:RequestTag/sagemaker-sdk:bedrock": "compatible",
"aws:RequestTag/bedrock:marketplace-registration-status": "registered",
"aws:RequestTag/sagemaker-studio:hub-content-arn": "arn:aws:sagemaker::*aws:hub-*
content/SageMakerPublicHub/Model/" } } }, { "Sid":
"MarketplaceModelEndpointDeleteTagsOperations", "Effect": "Allow", "Action": [
"sagemaker:DeleteTags"], "Resource": ["arn:aws:sagemaker:::endpoint/",
"arn:aws:sagemaker:::endpoint-config/", "arn:aws:sagemaker:::model/*"], "Condition": {*
"ForAllValues:StringEquals": { "aws:TagKeys": ["sagemaker-sdk:bedrock",
"bedrock:marketplace-registration-status", "sagemaker-studio:hub-content-arn"] },
"StringLike": { "aws:ResourceTag/sagemaker-sdk:bedrock": "compatible",
"aws:ResourceTag/bedrock:marketplace-registration-status": "registered",
*"aws:ResourceTag/sagemaker-studio:hub-content-arn": "arn:aws:sagemaker::*aws:hub-
content/SageMakerPublicHub/Model/*" } } }, { "Sid":*
"MarketplaceModelEndpointNonMutatingAPIs", "Effect": "Allow", "Action": [
"sagemaker:DescribeEndpoint", "sagemaker:DescribeEndpointConfig",
"sagemaker:DescribeModel", "sagemaker:DescribeInferenceComponent",
"sagemaker:ListEndpoints", "sagemaker:ListTags"], "Resource": [
"arn:aws:sagemaker:::endpoint/", "arn:aws:sagemaker:::endpoint-config/",*
"arn:aws:sagemaker:::model/"], "Condition": { "StringEquals": { "aws:CalledViaLast":*
"bedrock.amazonaws.com" } } }, { "Sid": "MarketplaceModelEndpointInvokingOperations",
"Effect": "Allow", "Action": ["sagemaker:InvokeEndpoint",
"sagemaker:InvokeEndpointWithResponseStream"], "Resource": [
"arn:aws:sagemaker:::endpoint/*"], "Condition": { "StringEquals": { "aws:CalledViaLast":*
"bedrock.amazonaws.com", "aws:ResourceTag/sagemaker-sdk:bedrock": "compatible" } }
}, { "Sid": "DiscoveringMarketplaceModel", "Effect": "Allow", "Action": [
*"sagemaker:DescribeHubContent"], "Resource": ["arn:aws:sagemaker::*aws:hub-
content/SageMakerPublicHub/Model/*",*
*"arn:aws:sagemaker::*aws:hub/SageMakerPublicHub"] }, { "Sid":
"AllowMarketplaceModelsListing", "Effect": "Allow", "Action": [
"sagemaker:ListHubContents"], "Resource":
"arn:aws:sagemaker::*aws:hub/SageMakerPublicHub" }, { "Sid": "PassRoleToSageMaker",*
"Effect": "Allow", "Action": ["iam:PassRole"], "Resource": [
*"arn:aws:iam:::role/SageMaker*ForBedrock*"], "Condition": { "StringEquals": {
"iam:PassedToService": ["sagemaker.amazonaws.com", "bedrock.amazonaws.com"] } } }, {
"Sid": "PassRoleToBedrock", "Effect": "Allow", "Action": ["iam:PassRole"], "Resource":
"arn:aws:iam:::role/AmazonBedrock*", "Condition": { "StringEquals": {*
"iam:PassedToService": ["bedrock.amazonaws.com"] } } }, { "Sid":
"MarketplaceOperationsFromBedrockFor3pModels", "Effect": "Allow", "Action": ["aws-

marketplace:Subscribe", "aws-marketplace:ViewSubscriptions", "aws-marketplace:Unsubscribe"], "Resource": "", "Condition": { "StringEquals": { "aws:CalledViaLast": "bedrock.amazonaws.com" } } }] }

AmazonDynamoDBFullAccess
{ "Version": "2012-10-17", "Statement": [{ "Action": ["dynamodb:", "dax:", "application-autoscaling:DeleteScalingPolicy", "application-autoscaling:DeregisterScalableTarget", "application-autoscaling:DescribeScalableTargets", "application-autoscaling:DescribeScalingActivities", "application-autoscaling:DescribeScalingPolicies", "application-autoscaling:PutScalingPolicy", "application-autoscaling:RegisterScalableTarget", "cloudwatch:DeleteAlarms", "cloudwatch:DescribeAlarmHistory", "cloudwatch:DescribeAlarms", "cloudwatch:DescribeAlarmsForMetric", "cloudwatch:GetMetricStatistics", "cloudwatch:ListMetrics", "cloudwatch:PutMetricAlarm", "cloudwatch:GetMetricData", "datapipeline:ActivatePipeline", "datapipeline:CreatePipeline", "datapipeline:DeletePipeline", "datapipeline:DescribeObjects", "datapipeline:DescribePipelines", "datapipeline:GetPipelineDefinition", "datapipeline:ListPipelines", "datapipeline:PutPipelineDefinition", "datapipeline:QueryObjects", "ec2:DescribeVpcs", "ec2:DescribeSubnets", "ec2:DescribeSecurityGroups", "iam:GetRole", "iam:ListRoles", "kms:DescribeKey", "kms:ListAliases", "sns:CreateTopic", "sns:DeleteTopic", "sns:ListSubscriptions", "sns:ListSubscriptionsByTopic", "sns:ListTopics", "sns:Subscribe", "sns:Unsubscribe", "sns:SetTopicAttributes", "lambda:CreateFunction", "lambda:ListFunctions", "lambda:ListEventSourceMappings", "lambda:CreateEventSourceMapping", "lambda:DeleteEventSourceMapping", "lambda:GetFunctionConfiguration", "lambda:DeleteFunction", "resource-groups:ListGroups", "resource-groups:ListGroupResources", "resource-groups:GetGroup", "resource-groups:GetGroupQuery", "resource-groups:DeleteGroup", "resource-groups:CreateGroup", "tag:GetResources", "kinesis:ListStreams", "kinesis:DescribeStream", "kinesis:DescribeStreamSummary"], "Effect": "Allow", "Resource": "" }, { "Action": "cloudwatch:GetInsightRuleReport", "Effect": "Allow", "Resource": "arn:aws:cloudwatch:::insight-rule/DynamoDBContributorInsights" }, { "Action": ["iam:PassRole"], "Effect": "Allow", "Resource": "", "Condition": { "StringLike": { "iam:PassedToService": ["application-autoscaling.amazonaws.com", "application-autoscaling.amazonaws.com.cn", "dax.amazonaws.com"] } } }, { "Effect": "Allow", "Action": ["iam:CreateServiceLinkedRole"], "Resource": "", "Condition": { "StringEquals": { "iam:AWSServiceName": ["replication.dynamodb.amazonaws.com", "dax.amazonaws.com", "dynamodb.application-autoscaling.amazonaws.com", "contributorinsights.dynamodb.amazonaws.com", "kinesisreplication.dynamodb.amazonaws.com"] } } }] }

AWSLambdaBasicExecutionRole-555b5c2b-229a-43f9-9ba7-c2c5b637c874 Info

Policy details

Type	Creation time	Edited time
Customer managed	September 28, 2025, 12:10 (UTC-04:00)	September 28,

Permissions | Entities attached | Tags | **Policy versions** (1) | **Last Accessed**

Permissions defined in this policy Info

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (u

```
1  {
2      "Version": "2012-10-17",
3      "Statement": [
4          {
5              "Effect": "Allow",
6              "Action": "logs:CreateLogGroup",
7              "Resource": "arn:aws:logs:us-east-2:791272970845:*"
8          },
9          {
10             "Effect": "Allow",
11             "Action": [
12                 "logs:CreateLogStream",
13                 "logs:PutLogEvents"
14             ],
15             "Resource": [
16                 "arn:aws:logs:us-east-2:791272970845:log-group:/aws/lambda/chi_test02:*"
17             ]
18         }
19     ]
20  }
```

AWSLambdaS3ExecutionRole-e710188b-dd82-4e39-beee-88abd5042f9c

Policy details

Type	**Creation time**	**Edited**
Customer managed	September 09, 2025, 09:03 (UTC-04:00)	Septe

Permissions | Entities attached | Tags | **Policy versions** (1) | **Last Accessed**

Permissions defined in this policy Info

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM i

```
1   {
2       "Version": "2012-10-17",
3       "Statement": [
4           {
5               "Effect": "Allow",
6               "Action": [
7                   "s3:GetObject"
8               ],
9               "Resource": "arn:aws:s3:::*"
10          }
11      ]
12  }
```

Modify permissions in LLM-permission Info

Add permissions by selecting services, actions, resources, and conditions. Build permission state

Policy editor

```
 1 ▼ {
 2       "Version": "2012-10-17",
 3 ▼     "Statement": [
 4 ▼         {
 5                 "Sid": "InvokeBedrock",
 6                 "Effect": "Allow",
 7 ▼             "Action": [
 8                     "bedrock:InvokeModel",
 9                     "bedrock:InvokeModelWithResponseStream"
10                 ],
11                 "Resource": "*"
12             },
13 ▼         {
14                 "Sid": "DiscoverModels",
15                 "Effect": "Allow",
16 ▼             "Action": [
17                     "bedrock:ListFoundationModels",
18                     "bedrock:GetFoundationModel"
19                 ],
20                 "Resource": "*"
21             }
22         ]
23 }
```

Modify permissions in s3-delete-policy Info

Add permissions by selecting services, actions, resources, and conditions. Build permission statements us

Policy editor

```
 1 ▼ {
 2       "Version": "2012-10-17",
 3 ▼     "Statement": [
 4 ▼         {
 5                 "Sid": "AllowReadWriteObjects",
 6                 "Effect": "Allow",
 7 ▼             "Action": [
 8                     "s3:GetObject",
 9                     "s3:PutObject",
10                     "s3:DeleteObject",
11                     "s3:DeleteObjectTagging"
12                 ],
13                 "Resource": "arn:aws:s3:::chitest02/*"
14             },
15 ▼         {
16                 "Sid": "AllowListBucket",
17                 "Effect": "Allow",
18                 "Action": "s3:ListBucket",
19                 "Resource": "arn:aws:s3:::chitest02"
20             }
21         ]
22 }
```

Lambda 4

```python
import boto3
import json
from botocore.exceptions import ClientError

s3 = boto3.client('s3')
BUCKET_NAME = 'chitest02'

# Prefix (folder path)
PREFIX = 'parsed/comparisons/'


def lambda_handler(event, context):
    try:
```

IAM roles for Lambda 4:

daijtest_function03-role-9fekmnpw Info

Summary

Creation date
October 28, 2025, 14:37 (UTC-04:00)

Last activity
⊘ 47 minutes ago

Permissions   Trust relationships   Tags   Last Accessed   Revoke sessions

---

Permissions policies (3) Info

You can attach up to 10 managed policies.

Filter

	Search		All t

☐	Policy name ↗	▲	Type
☐	⊞ 📦 AmazonS3FullAccess		AWS managed
☐	⊞ 📦 AmazonS3ReadOnlyAccess		AWS managed
☐	⊞ AWSLambdaBasicExecutionRole-ecd66497-ee55-4270-89d…		Customer managed

AmazonS3FullAccess Info

Provides full access to all buckets via the AWS Management Console.

Policy details

Type
AWS managed

Creation tin
February 06

Permissions | Entities attached | **Policy versions** (2)

Permissions defined in this policy Info

Permissions defined in this policy document specify which actions are

```
1  {
2      "Version": "2012-10-17",
3      "Statement": [
4          {
5              "Effect": "Allow",
6              "Action": [
7                  "s3:*",
8                  "s3-object-lambda:*"
9              ],
10             "Resource": "*"
11         }
12     ]
13 }
```

AmazonS3ReadOnlyAccess Info

Provides read only access to all buckets via the AWS Management Cons...

Policy details

Type
AWS managed

Creation t
February

Permissions | Entities attached | Policy versions (3)

Permissions defined in this policy Info

Permissions defined in this policy document specify which actions ar...

```
 1  {
 2      "Version": "2012-10-17",
 3      "Statement": [
 4          {
 5              "Effect": "Allow",
 6              "Action": [
 7                  "s3:Get*",
 8                  "s3:List*",
 9                  "s3:Describe*",
10                  "s3-object-lambda:Get*",
11                  "s3-object-lambda:List*"
12              ],
13              "Resource": "*"
14          }
15      ]
16  }
```

AWSLambdaBasicExecutionRole-ecd66497-ee55-4270-89d2-fc4535b576f8 Info

Policy details

Type	Creation time	Edited time
Customer managed	October 28, 2025, 14:37 (UTC-04:00)	October 28, 2025, 14:37 (U

Permissions | Entities attached | Tags | Policy versions (1) | Last Accessed

Permissions defined in this policy Info

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (user, user gro

```json
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Effect": "Allow",
            "Action": "logs:CreateLogGroup",
            "Resource": "arn:aws:logs:us-east-2:791272970845:*"
        },
        {
            "Effect": "Allow",
            "Action": [
                "logs:CreateLogStream",
                "logs:PutLogEvents"
            ],
            "Resource": [
                "arn:aws:logs:us-east-2:791272970845:log-group:/aws/lambda/daijtest_function03:*"
            ]
        }
    ]
}
```

Configurations

```
# Medical Bill Adjudication System — Libraries & Dependencies
```