

Screenshots

```
PS D:\cd13926-Building-Generative-AI-Applications-with-Amazon-Bedrock-and-Python-project-solution\stack1> terraform apply
module.vpc.aws_nat_gateway.this[0]: Still creating... [00m40s elapsed]
module.vpc.aws_nat_gateway.this[0]: Still creating... [00m50s elapsed]
module.vpc.aws_nat_gateway.this[0]: Still creating... [01m00s elapsed]
module.vpc.aws_nat_gateway.this[0]: Still creating... [01m10s elapsed]
module.vpc.aws_nat_gateway.this[0]: Still creating... [01m20s elapsed]
module.vpc.aws_nat_gateway.this[0]: Still creating... [01m30s elapsed]
module.vpc.aws_nat_gateway.this[0]: Still creating... [01m40s elapsed]
module.vpc.aws_nat_gateway.this[0]: Still creating... [01m50s elapsed]
module.vpc.aws_nat_gateway.this[0]: Creation complete after 1m58s [id=nat-05de7da47953ac4c7]
module.vpc.aws_route.private_nat_gateway[0]: Creating...
module.vpc.aws_route.private_nat_gateway[0]: Creation complete after 1s [id=r-rtb-02deefde911a6cbf21080289494]

Warning: Deprecated attribute
  on terraform/modules/vpc/vpc-flow-logs.tf line 28, in locals:
  28:     "arn:${data.aws_partition.current[0].partition}:logs:${data.aws_region.current[0].name}:${data.aws_caller_identity.current[0].account_id}:log-group:${log_group.name}:"**

The attribute "name" is deprecated. Refer to the provider documentation for details.

Apply complete! Resources: 5 added, 0 changed, 0 destroyed.

Outputs:
aurora_arn = "arn:aws:rds:us-west-2:317395562947:cluster:my-aurora-serverless"
aurora_endpoint = "my-aurora-serverless.cluster-ccvfkywfy409.us-west-2.rds.amazonaws.com"
Apply complete! Resources: 5 added, 0 changed, 0 destroyed.

Outputs:
Apply complete! Resources: 5 added, 0 changed, 0 destroyed.

Outputs:
Apply complete! Resources: 5 added, 0 changed, 0 destroyed.

Apply complete! Resources: 5 added, 0 changed, 0 destroyed.
Apply complete! Resources: 5 added, 0 changed, 0 destroyed.
Apply complete! Resources: 5 added, 0 changed, 0 destroyed.
Apply complete! Resources: 5 added, 0 changed, 0 destroyed.
Apply complete! Resources: 5 added, 0 changed, 0 destroyed.

Outputs:
Apply complete! Resources: 5 added, 0 changed, 0 destroyed.

Outputs:
Outputs:
aurora_arn = "arn:aws:rds:us-west-2:317395562947:cluster:my-aurora-serverless"
aurora_endpoint = "my-aurora-serverless.cluster-ccvfkywfy409.us-west-2.rds.amazonaws.com"
db_endpoint = "my-aurora-serverless.cluster-ccvfkywfy409.us-west-2.rds.amazonaws.com"
db_reader_endpoint = "my-aurora-serverless.cluster-ro-ccvfkywfy409.us-west-2.rds.amazonaws.com"
private_subnet_ids = [
  "subnet-021d15427fd06d925",
  "subnet-0b31aeb930010759e",
  "subnet-034a189a048b5f11c",
]
public_subnet_ids = [
  "subnet-0170f0f323de71a7a",
  "subnet-0d9ebd668a6e12689",
  "subnet-0fe0e5853575070d7",
]
rds_secret_arn = "arn:aws:secretsmanager:us-west-2:317395562947:secret:my-aurora-serverless-8FRnXY"
s3_bucket_name = "arn:aws:s3:::bedrock-kb-317395562947"
vpc_id = "vpc-0fe4c4279bf7d496a"
PS D:\cd13926-Building-Generative-AI-Applications-with-Amazon-Bedrock-and-Python-project-solution\stack1>
```

```

PS D:\cd13926-Building-Generative-AI-Applications-with-Amazon-Bedrock-and-Python-project-solution\stack1> aws rds-data execute-statement --resource-arn "arn:aws:rds:us-west-2:317395562947:cluster-arn:aws:secretsmanager:us-west-2:317395562947:secret:my-aurora-serverless-8FRnXY" --database "myapp" --sql "SELECT * FROM pg_extension;"
{
  "records": [
    [
      {
        "stringValue": "14498"
      },
      {
        "stringValue": "plpgsql"
      },
      {
        "stringValue": "10"
      },
      {
        "stringValue": "11"
      },
      {
        "booleanValue": false
      },
      {
        "stringValue": "1.0"
      },
      {
        "isNull": true
      },
      {
        "isNull": true
      }
    ],
    [
      {
        "stringValue": "16445"
      },
      {
        "stringValue": "vector"
      },
      {
        "stringValue": "10"
      },
      {
        "stringValue": "2200"
      },
      {
        "booleanValue": true
      },
      {
        "stringValue": "0.5.0"
      },
      {
        "isNull": true
      }
    ]
  ],
  "numberOfRecordsUpdated": 0
}
-- More --

```

```

    {
      "stringValue": "16445"
    },
    {
      "stringValue": "vector"
    },
    {
      "stringValue": "10"
    },
    {
      "stringValue": "2200"
    },
    {
      "booleanValue": true
    },
    {
      "stringValue": "0.5.0"
    },
    {
      "isNull": true
    },
    {
      "isNull": true
    }
  ]
},
"numberOfRecordsUpdated": 0
}

PS D:\cd13926-Building-Generative-AI-Applications-with-Amazon-Bedrock-and-Python-project-solution\stack1> aws rds-data execute-statement --resource-arn "arn:aws:rds:us-west-2:317395562947:cluster-arn:aws:secretsmanager:us-west-2:317395562947:secret:my-aurora-serverless-8FRnXY" --database "myapp" --sql "SELECT table_schema || '.' || table_name as show_tables FROM information_schema.tables WHERE table_type = 'BASE TABLE' AND table_schema = 'bedrock_integration';"
{
  "records": [
    [
      {
        "stringValue": "bedrock_integration.bedrock_kb"
      }
    ]
  ],
  "numberOfRecordsUpdated": 0
}

PS D:\cd13926-Building-Generative-AI-Applications-with-Amazon-Bedrock-and-Python-project-solution\stack1>

```

Amazon Bedrock

Knowledge Bases

my-bedrock-kb

Discover

Test

Infer

Tune

Build

Assess

Configure and learn

Overview

Model catalog

API keys

Chat / Text playground

Image / Video playground

Watermark detection

Cross-region inference

Batch inference

Provisioned Throughput

Custom model on-demand

Agents

Flows

Knowledge Bases

Automated Reasoning

Guardrails

Prompt Management

Data Automation

Evaluations

Settings

Model access

User guide

Bedrock Service Terms

Introducing S3 Vectors as a vector store (currently in preview)

Create Knowledge Base

53 vector buckets are optimized for durable and cost-effective storage of large long-term data sets while maintaining subsecond query performance. This feature is currently in preview and we don't recommend using it for production workloads.

my-bedrock-kb

Test Knowledge Base

Delete

Knowledge Base overview

Knowledge Base name

my-bedrock-kb

Knowledge Base description

—

Service Role

my-bedrock-kb-role

Knowledge Base ID

V7Z0DAT3IE

Status

Available

Created date

September 22, 2025, 16:35 (UTC+07:00)

Log Deliveries

Configure log deliveries and event logs in the Edit page.

Retrieval-Augmented Generation (RAG) type

Vector store

Data source (1)

Sync

Stop sync

Add

Find data source

1

	Data sou...	Status	Data sour...	Account ID	Source Link	Last sync ti...	Last sync ...	Chunking s...	Parsing str...	Data dele...
	s3_bedroc...	Available	S3	317395562...	s3://bedro...	-	-	Default	Default	Delete

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key

Value

No tags

Manage tags

Embeddings model

Model

Titan Embeddings G1 - Text v1.2

Embeddings type

Floa vector embeddings

Vector dimensions

1536

Knowledge Bases (1)

Edit

Delete

Test Knowledge Base

Evaluate

Create

Find Knowledge Base

1

	Name	Status	Type	Data sources	Description	Creation time	Last sync date	Last sync warni...
	my-bedrock-kb	Available	Vector store	-	-	September 22, 2...	-	-

Amazon Bedrock

Knowledge Bases

my-bedrock-kb

Discover

Test

Infer

Tune

Build

Assess

Configure and learn

Overview

Model catalog

API keys

Chat / Text playground

Image / Video playground

Watermark detection

Cross-region inference

Batch inference

Provisioned Throughput

Custom model on-demand

Agents

Flows

Knowledge Bases

Introducing S3 Vectors as a vector store (currently in preview)

Create Knowledge Base

53 vector buckets are optimized for durable and cost-effective storage of large long-term data sets while maintaining subsecond query performance. This feature is currently in preview and we don't recommend using it for production workloads.

my-bedrock-kb

Test Knowledge Base

Delete

Knowledge Base overview

Knowledge Base name

my-bedrock-kb

Knowledge Base description

—

Service Role

my-bedrock-kb-role

Knowledge Base ID

V7Z0DAT3IE

Status

Available

Created date

September 22, 2025, 16:35 (UTC+07:00)

Log Deliveries

Configure log deliveries and event logs in the Edit page.

Retrieval-Augmented Generation (RAG) type

Vector store

Data source (1)

Sync

Stop sync

Add

Add documents from S3

Find data source

1

	Data sou...	Status	Data sour...	Account ID	Source Link	Last sync ti...	Last sync ...	Chunking s...	Parsing str...	Data dele...
	s3_bedroc...	Available	S3	317395562...	s3://bedro...	September ...	-	Default	Default	Delete

