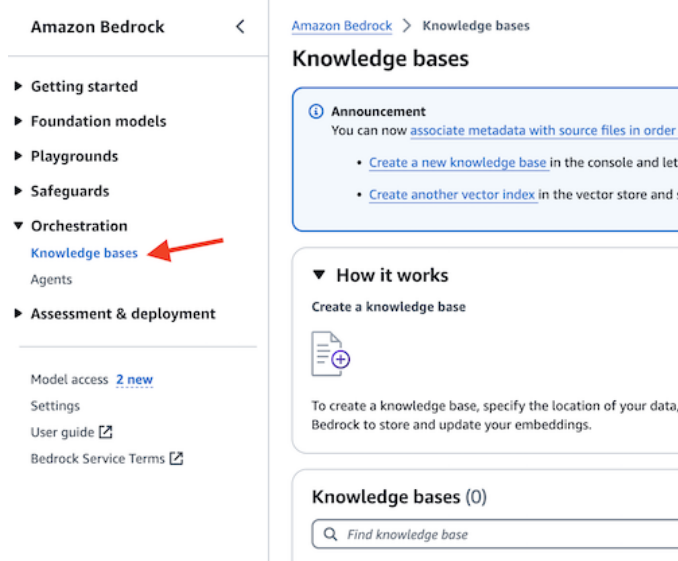


 Event ends in 2 days 15 hours 41 minutes.

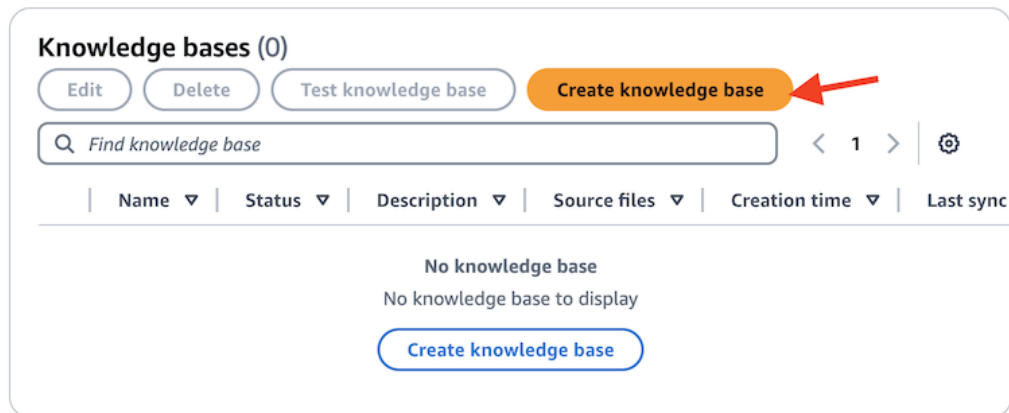
[Event dashboard](#) > [Knowledge base for Amazon Bedrock](#) > Create Knowledge base

# Create Knowledge base

1. Select **Knowledge base** from the left navigation pane under **Orchestration**.



2. In the **Knowledge bases** section, select Create knowledge base.



3. On the **Provide knowledge base details** page, set up the following configurations:

- In the **Knowledge base details** section, provide a name or description for your knowledge base or use default.
- In the **IAM permissions** section, choose Create and use a new service role and Service role name will have IAM role that starts with AmazonBedrockExecutionRoleForKnowledgeBase
- Select Next.

**Knowledge base details**

**Knowledge base name**  
knowledge-base-quick-start-disym  
Valid characters are a-z, A-Z, 0-9, \_ (underscore) and - (hyphen). The name can have up to 50 characters.

**Knowledge base description - optional**  
Enter description  
Valid characters are a-z, A-Z, 0-9, \_ (underscore) and - (hyphen). The name can have up to 200 characters.

**IAM permissions**  
IAM roles are used to access other services on your behalf.

**Runtime role**

☒ Create and use a new service role  
☐ Use an existing service role

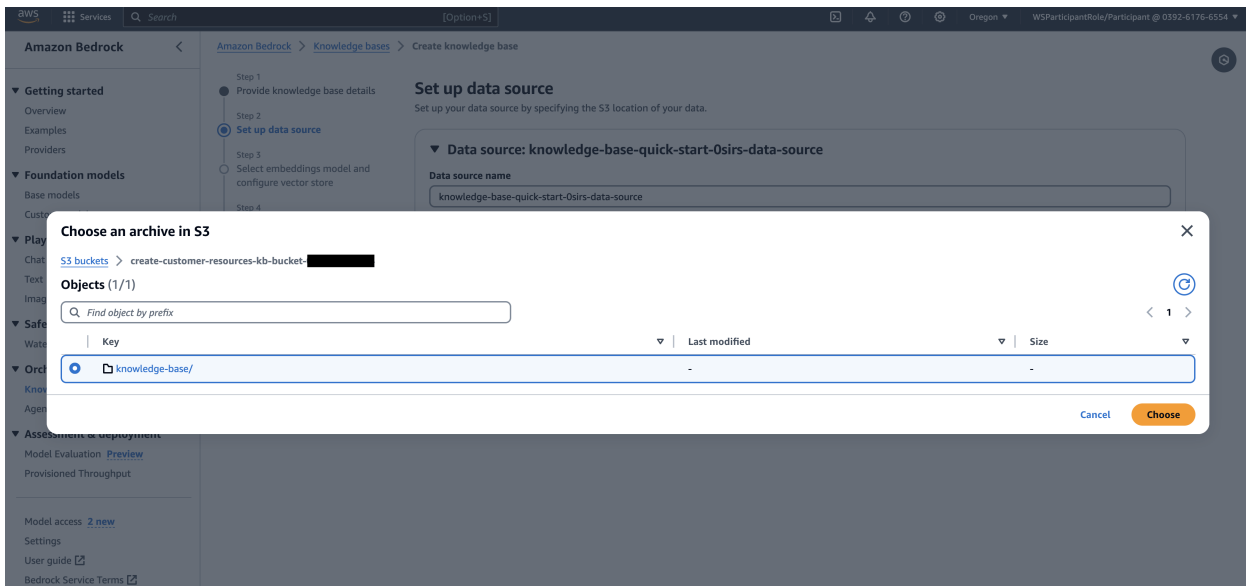
**Service role name**  
AmazonBedrockExecutionRoleForKnowledgeBase\_disym

**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.  
No tags associated with the resource.  
[Add new tag](#)  
You can add up to 50 more tags.

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

4. On the **Set up data source** page, provide the information for the data source to add to the knowledge base:

a. Provide **URI** or browse **S3** to navigate to the Amazon S3 folder you created earlier.



b. Under **Advanced Settings**, select **Use default KMS key** and select **Default chunking** for Chunking strategy. Refer [this documentation](#) to learn more about other strategies.

**Default chunking** – By default, Amazon Bedrock automatically splits your source data into chunks, such that each chunk contains, at most, 300 tokens. If a document contains less than 300 tokens, then it is not split any further.

c. Select **Next**.

Amazon Bedrock

Knowledge bases

Create knowledge base

Step 1

Provide knowledge base details

Step 2

Set up data source

Step 3

Select embeddings model and configure vector store

Step 4

Review and create

Set up data source

Set up your data source by specifying the S3 location of your data.

▼ Data source: knowledge-base-quick-start-0sirs-data-source

Data source name

knowledge-base-quick-start-0sirs-data-source

Valid characters are a-z, A-Z, 0-9, \_ (underscore) and - (hyphen). The name can have up to 100 characters.

S3 URI

To increase the accuracy and relevance of your responses, add a .metadata.json file containing metadata for your data source to your S3 bucket. Info

s3://create-customer-resources-kb-bucket-/knowledge-base/

View

Browse S3

☐ Add customer-managed KMS key for S3 data - optional

If you encrypted your S3 data, provide the KMS key here so that Bedrock can decrypt it.

▼ Advanced settings - optional

KMS Key for transient data storage

In the process of converting your data into embeddings, Bedrock encrypts your transient data with a key that AWS owns and manages for you, by default. To choose a different key, customize your encryption settings.

☒ Use default KMS Key

In the process of converting your data into embeddings, Bedrock encrypts your transient data with a key that AWS owns and manages for you, by default.

☐ Customize encryption settings (Advanced)

To choose a different key, customize your encryption settings.

Chunking strategy

Chunking breaks down the text into smaller segments before embedding. The chunking strategy can't be modified after you create the data source.

Default chunking

By default, knowledge base automatically splits your source data into chunks each containing, at most, 300 tokens. If a document contains less than 300 tokens, then it is not split any further.

Cancel

Previous

Next

5. In the **Embeddings model** section, choose **Titan G1 Embeddings - Text** embeddings model to convert the knowledge base from your data into an embedding.

6. In the **Vector database** section, choose **Quick create a new vector store** in the following options.

**Quick create a new vector store** – Amazon Bedrock creates an **Amazon OpenSearch Serverless vector search** collection, automatically configures the settings for embedding your data sources, and manages the collection for you.

7. Select **Next**.

8. On the **Review and create** page, check the configuration and details of your knowledge base. Select **Edit** in any section that you need to modify. When you are satisfied, select **Create knowledge base**.

9. The knowledge base creation process begins and the **Status** of the source becomes **In progress**. The time it takes to create the knowledge base depends on the amount of data you provided. When the knowledge base is finished being created, a green success banner appears and the **Status** of the knowledge base changes to **Ready**.

Amazon Bedrock

Knowledge base

knowledge-base-quick-start-9lit8

Knowledge base "knowledge-base-quick-start-9lit8" is created successfully. Please sync your data to start testing.

Sync

Test k

▼ Getting started

Overview

Examples

Providers

▼ Foundation models

Base models

Custom models

▼ Playgrounds

Chat

Text

Image

▼ Safeguards

Watermark detection

Preview

▼ Orchestration

Knowledge base

Agents

▼ Assessment & deployment

Model Evaluation

Preview

Provisioned Throughput

knowledge-base-quick-start-9lit8

Test

Delete

Edit

Knowledge base overview

Knowledge base name

knowledge-base-quick-start-9lit8

Knowledge base description

—

Service Role

AmazonBedrockExecutionRoleForKnowledgeBase\_9lit8

Knowledge base ID

Status

Ready

Created date

March 19, 2024, 12:13 (UTC-04:00)

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

No tags to display

Manage tags

Previous

Next

https://catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/03-knowledge-base/02-create-knowledge-base

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