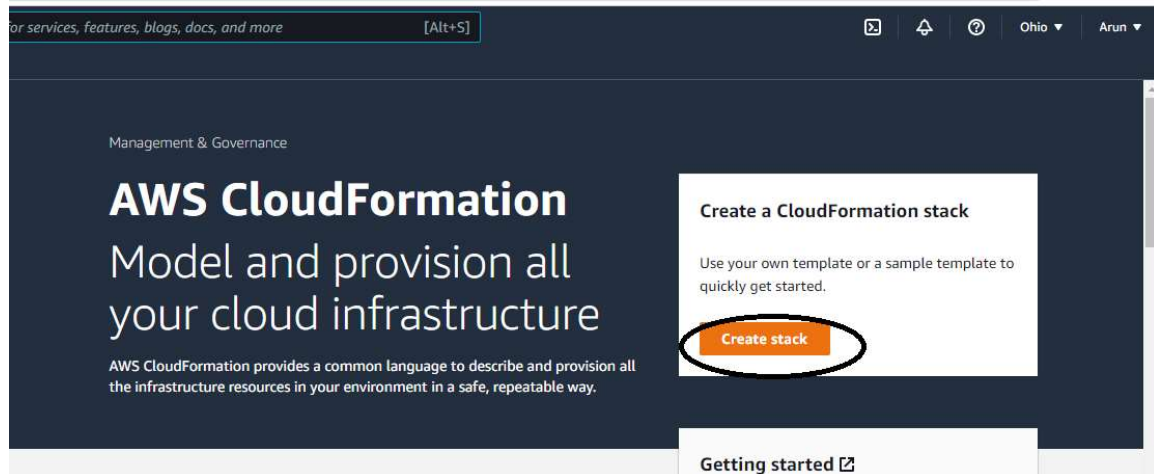


DynamoDB with CloudFormation

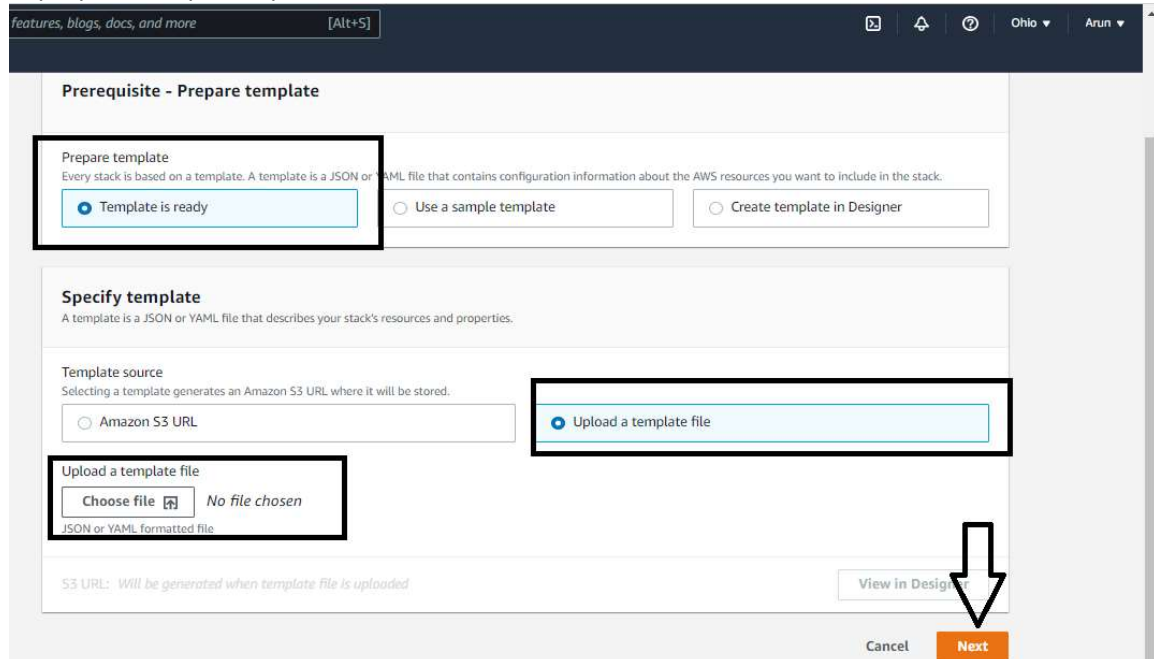
Amazon DynamoDB is a fully managed, serverless, key-value NoSQL database designed to run high-performance applications at any scale. DynamoDB offers built-in security, continuous backups, automated multi-Region replication, in-memory caching, and data export tools.

Uploading Template file :

1. Create stack :






2. prepare template upload it to to stack



3. Enter Stack name and Next

res, blogs, docs, and more

[Alt+S]



Ohio ▾

Arun ▾

k

Specify stack details

Stack name

Stack name

Enter a stack name

Stack name can include letters (A-Z and a-z), numbers (0-9), and dashes (-).

Parameters

Parameters are defined in your template and allow you to input custom values when you create or update a stack.


No parameters

There are no parameters defined in your template.

Cancel

Previous




Next



4. Tags

res, blogs, docs, and more

[Alt+S]



Ohio ▾

Arun ▾

ck

Configure stack options

Tags

You can specify tags (key-value pairs) to apply to resources in your stack. You can add up to 50 unique tags for each stack. [Learn more](#)

Key

Value

Remove

Add tag

Permissions

Choose an IAM role to explicitly define how CloudFormation can create, modify, or delete resources in the stack. If you don't choose a role, CloudFormation uses permissions based on your user credentials. [Learn more](#)

IAM role - optional

Choose the IAM role for CloudFormation to use for all operations performed on the stack.

iamRoleName ▾

▾

Remove

5.click Next

features, blogs, docs, and more [Alt+S] Ohio Arun

Preserves the state of successfully provisioned resources, while rolling back failed resources to the last known stable state. Resources without a last known stable state will be deleted upon the next stack operation.

Advanced options

You can set additional options for your stack, like notification options and a stack policy. [Learn more](#)

- **Stack policy**
Defines the resources that you want to protect from unintentional updates during a stack update.
- **Rollback configuration**
Specify alarms for CloudFormation to monitor when creating and updating the stack. If the operation breaches an alarm threshold, CloudFormation rolls it back. [Learn more](#)
- **Notification options**
- **Stack creation options**

Cancel Previous **Next**

5. Review and Acknowledge

/ more [Alt+S] Ohio Arun

Stack creation options

Timeout
-

Termination protection
Disabled

► Quick-create link

Capabilities

The following resource(s) require capabilities: [AWS::IAM::Role]

This template contains Identity and Access Management (IAM) resources that might provide entities access to make changes to your AWS account. Check that you want to create each of these resources and that they have the minimum required permissions. [Learn more](#)

☒ I acknowledge that AWS CloudFormation might create IAM resources.

Cancel Previous Create change set **Create stack**

Yaml Code :

Resources:

OrdersTable:

Type: AWS::DynamoDB::Table

Properties:

TableName: AuthorsTable_prod

AttributeDefinitions:

- AttributeName: "AuthorName"
AttributeType: "S"
- AttributeName: "BookTitle"
AttributeType: "S"

KeySchema:

- AttributeName: "AuthorName"
KeyType: "HASH"
- AttributeName: "BookTitle"
KeyType: "RANGE"

TimeToLiveSpecification:

AttributeName: "ExpirationTime"
Enabled: true

ProvisionedThroughput:

ReadCapacityUnits: "5"
WriteCapacityUnits: "5"

DependsOn:

- DynamoDBQueryPolicy

DynamoDBQueryPolicy:

Type: "AWS::IAM::Policy"

Properties:

PolicyName: DynamoDBQueryPolicy

PolicyDocument:

Version: "2012-10-17"

Statement:

- Effect: "Allow"
Action: "dynamodb:Query"
Resource: "*"

Roles:

- Ref: "OrdersTableQueryRole"

OrdersTableQueryRole:

Type: "AWS::IAM::Role"

Properties:

AssumeRolePolicyDocument:

Version: "2012-10-17"

Statement:

- Effect: "Allow"

Principal:
Service:
- "dynamodb.amazonaws.com"
Action:
- "sts:AssumeRole"
Path: "/"

