



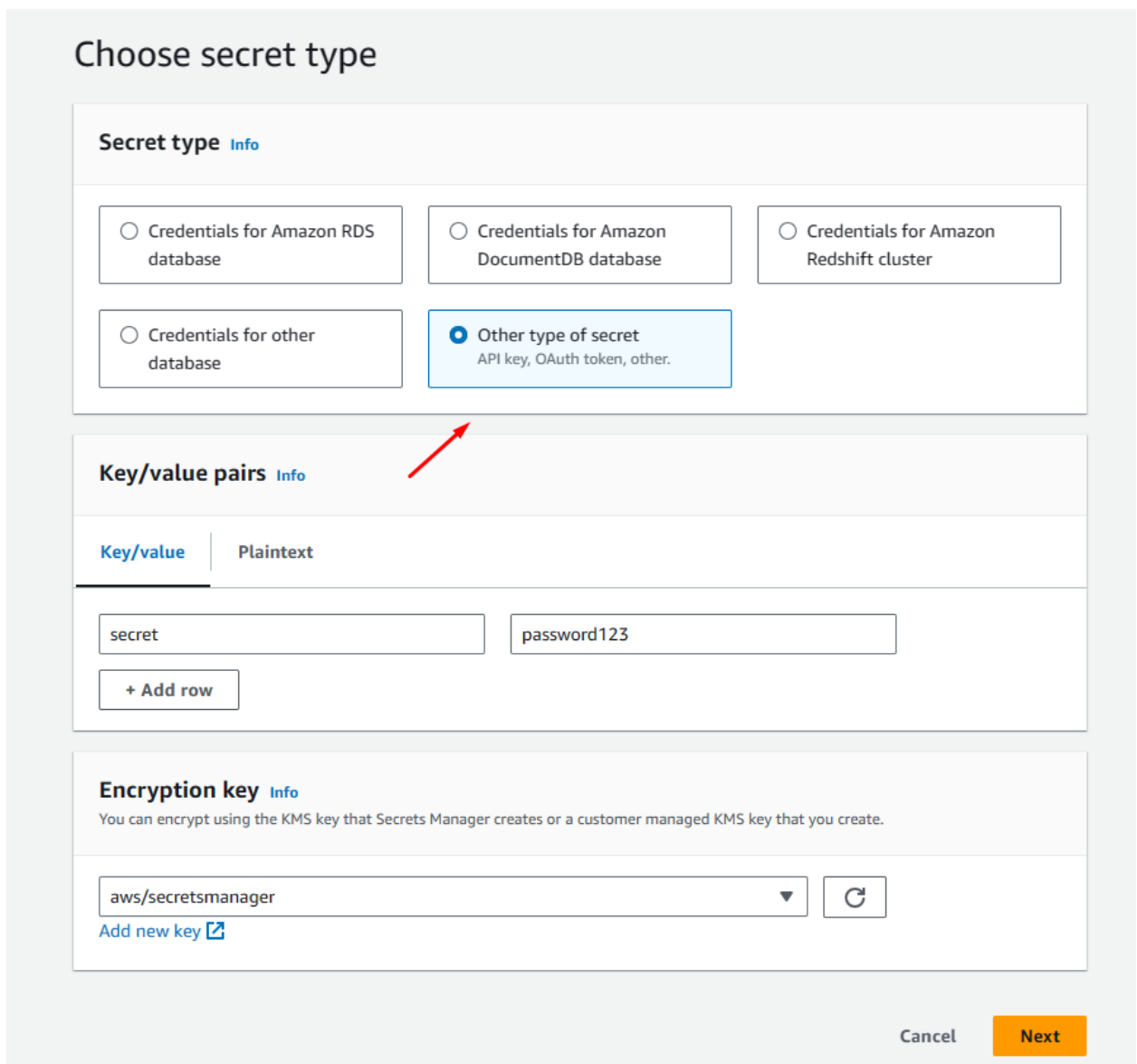
Module 13 – Secret Manager

AWS Secret Manager.

AWS Secrets Manager is a service provided by Amazon Web Services (AWS) that helps you securely store, manage, and retrieve sensitive information such as API keys, passwords, OAuth tokens, and database credentials. It enables you to centralize and control access to secrets across your AWS infrastructure and applications.

Setup:

- Click on Store a new secret.
- Choose Secret Type – As Other Type.



Choose secret type

Secret type [Info](#)

☐ Credentials for Amazon RDS database

☐ Credentials for Amazon DocumentDB database

☐ Credentials for Amazon Redshift cluster

☐ Credentials for other database

☒ **Other type of secret**
API key, OAuth token, other.

Key/value pairs [Info](#)

Key/value | Plaintext

secret	password123
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[+ Add row](#)

Encryption key [Info](#)

You can encrypt using the KMS key that Secrets Manager creates or a customer managed KMS key that you create.

aws/secretsmanager ▼ [Add new key](#)

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

- To retrieve this value, click on Retrieve Secret Value.

- Let's try to retrieve the values using Python code. And we can write this python code in the Lambda function.
- So again, let create another lambda function which will help us to retrieve the value.
- Here is the lambda code.

```
import json
```

```
import boto3
```

```
import base64
```

```
# Your secret's name and region
```

```
secret_name = "custom-managed-secret"
```

```
region_name = "us-east-1"
```

```
#Set up our Session and Client
```

```
session = boto3.session.Session()
```

```
client = session.client(
```

```
    service_name='secretsmanager',
```

```
    region_name=region_name
```

```
)
```

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

```
    # Calling SecretsManager
```

```
    get_secret_value_response = client.get_secret_value(
```

```
        SecretId=secret_name
```

```
)
```

```
    #Raw Response
```

```
    print(get_secret_value_response)
```

```
    #Extracting the key/value from the secret
```

```
    secret = get_secret_value_response['SecretString']
```

```
    print(secret)
```

- Run the Lambda function to see the values.