

## Add user

1 2 3 4 5



### Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: <https://106624866747.signin.aws.amazon.com/console>

Download .csv

	User	Access key ID	Secret access key	Password	Email login instructions
▶	✔ kevtstui	AKIARRU2WLG57TPSABU5	wqw+5GocCDVlgwOeVSPL bBqMlCip8ifzo9ccDMql	7%cBjJzg=H#DkKi Hide	Send email

C:\Users\Kevin Tsui\Desktop\cloud hw\awsconnect.py (CS1660Project) - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

FOLDERS  
CS1660Project

awsconnect.py

Command Prompt

```
collecting urllib3<1.27,>=1.25.4
  Downloading urllib3-1.26.3-py2.py3-none-any.whl (137 kB)
    | 137 kB 6.8 MB/s
Requirement already satisfied: python-dateutil<3.0.0,>=2.1 in c:\python38\lib\site-packages (from boto3<1.21.0,>=1.20.22->boto3) (2.8.1)
Requirement already satisfied: six>=1.5 in c:\python38\lib\site-packages (from python-dateutil<3.0.0,>=2.1->boto3<1.21.0,>=1.20.22->boto3) (1.15.0)
Installing collected packages: urllib3, jmespath, boto3, s3transfer, boto3
ERROR: Could not install packages due to an OSError: [Errno 13] Permission denied: 'c:\python38\Scripts\jpy.py'
Consider using the '--user' option or check the permissions.

C:\Users\Kevin Tsui\Desktop\cloud hw>python -m pip install --user boto3
Collecting boto3
  Using cached boto3-1.17.22-py2.py3-none-any.whl (130 kB)
Collecting botocore<1.21.0,>=1.20.22
  Using cached botocore-1.20.22-py2.py3-none-any.whl (7.3 MB)
Collecting s3transfer<0.4.0,>=0.3.0
  Using cached s3transfer-0.3.4-py2.py3-none-any.whl (69 kB)
Requirement already satisfied: jmespath<1.0.0,>=0.7.1 in c:\python38\lib\site-packages (from boto3) (0.10.0)
Requirement already satisfied: python-dateutil<3.0.0,>=2.1 in c:\python38\lib\site-packages (from botocore<1.21.0,>=1.20.22->boto3) (2.8.1)
Requirement already satisfied: urllib3<1.27,>=1.25.4 in c:\python38\lib\site-packages (from botocore<1.21.0,>=1.20.22->boto3) (1.26.3)
Requirement already satisfied: six>=1.5 in c:\python38\lib\site-packages (from python-dateutil<3.0.0,>=2.1->boto3<1.21.0,>=1.20.22->boto3) (1.15.0)
Installing collected packages: boto3, s3transfer, boto3
Successfully installed boto3-1.17.22 botocore-1.20.22 s3transfer-0.3.4

C:\Users\Kevin Tsui\Desktop\cloud hw>
```

```

awsconnect.py
import boto3
import csv

s3 = boto3.resource('s3', aws_access_key_id = 'AKIARRU2WL654OIFCMF6', aws_secret_access_key='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')
dyndb = boto3.resource('dynamodb',aws_access_key_id = 'AKIARRU2WL654OIFCMF6', aws_secret_access_key='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', region_name='us-west-2')

try:
    s3.create_bucket(Bucket='datacont-kevitsui', CreateBucketConfiguration={'LocationConstraint': 'us-west-2'})
    table = dyndb.create_table(
        TableName='DataTable',
        KeySchema=[
            {
                'AttributeName': 'Partitionkey',
                'KeyType': 'HASH' # Partition key
            },
            {
                'AttributeName': 'RowKey',
                'KeyType': 'RANGE' # Sort key
            }
        ],
        AttributeDefinitions=[
            {
                'AttributeName': 'Partitionkey',
                'AttributeType': 'S'
            },
            {
                'AttributeName': 'RowKey',
                'AttributeType': 'S'
            }
        ],
        ProvisionedThroughput={
            'ReadCapacityUnits': 10,
            'WriteCapacityUnits': 10
        }
    )
except Exception:
    pass

# table.meta.client.get_waiter('table_exists').wait(TableName='DataTable')
table = dyndb.Table("DataTable")
urlbase = "https://datacont-kevitsui.s3-us-west-2.amazonaws.com/"
with open('experiments.csv', 'r') as csvfile:
    csvf = csv.reader(csvfile)
    next(csvf)
    for item in csvf:
        body = open(item[4], 'rb')
        s3.Object('datacont-kevitsui', item[4]).put(Body=body)
        md = s3.Object('datacont-kevitsui', item[4]).acl().put(ACL='public-read')
        url = urlbase + item[4]
        metadata_item = {'Partitionkey': item[0], 'RowKey': item[1], 'description': item[3], 'date':item[2], 'url':url}
        table.put_item(Item=metadata_item)

```

aws

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Events

Try the preview of the new console

The preview of the new DynamoDB console is now available

We are redesigning the DynamoDB console. The preview of the new console is a work in progress, but we encourage you to try it and let us know what you think.

Kinesis Data Streams for DynamoDB is now available

You now can capture item-level changes in your DynamoDB tables as a Kinesis data stream and start taking advantage of Kinesis services to build advanced streaming applications.

Create table

Delete table

Q Filter by table name

Choose a table ...

Actions

Name

DataTable

DataTable

Close

Overview

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Create item

Actions

Scan: [Table] DataTable: Partitionkey, RowKey

Viewing 1 to 2 items

Scan

[Table] DataTable: Partitionkey, RowKey

Add filter

Start search

Partitionkey

RowKey

date

description

url

experiment1

data1

2/13/2021

Words..

https://datacont-kevitsui.s3-us-west-2.amazonaws.com/exp1.csv

experiment2

data2

2/20/2021

second experiment

https://datacont-kevitsui.s3-us-west-2.amazonaws.com/exp2.csv

