

Back up and restore

1. DynamoDB -> table -> items tab

2. Cloud9 terminal:

- `aws dynamodb create-backup --table-name Music --backup-name MusicBackup`

Result:

```
{
  "BackupDetails": {
    "BackupArn": "arn:aws:dynamodb:us-east-1:766491063190:table/Music/backup/01594002161412-39a56be8",
    "BackupName": "MusicBackup",
    "BackupSizeBytes": 332,
    "BackupStatus": "CREATING",
    "BackupType": "USER",
    "BackupCreationDateTime": 1594002161.412
  }
}
```

- `aws dynamodb describe-backup --backup-arn arn:aws:dynamodb:us-east-1:766491063190:table/Music/backup/01594002161412-39a56be8`
- **restore the table:** `aws dynamodb restore-table-from-backup --target-table-name MusicRestored --backup-arn arn:aws:dynamodb:us-east-1:766491063190:table/Music/backup/01594002161412-39a56be8`
- **see the resotred table:** `aws dynamodb describe-table --table-name MusicRestored`
- **delete the table:** `aws dynamodb delete-table --table-name dragons`

DynamoDB API working with Datasets

1. **scan with a limit:** `aws dynamodb scan --table-name Music --max-items 3`

2. **batch write items:** `dynamodb batch-write-item --request-items file://inputWrite.json`

```
1 {"Music": [  
2   {  
3     "PutRequest": {  
4       "Item": {  
5         "Artist": { "S": "Steely Dan"},  
6         "SongTitle": { "S": "Do It Again"},  
7         "AlbumTitle" : { "S" : "Can't Buy a Thrill"},  
8         "Released" : { "N" : "1972"}  
9       },  
10      "Item": {  
11        "Artist": { "S": "Steely Dan"},  
12        "SongTitle": { "S": "Dirty Work"},  
13        "AlbumTitle" : { "S" : "Can't Buy a Thrill"},  
14        "Released" : { "N" : "1972"},  
15        "Note" : { "S" : "Great Song!"}  
16      },  
17      "Item": {  
18        "Artist": { "S": "Steely Dan"},  
19        "SongTitle": { "S": "Turn That Heartbeat Over Again"},  
20        "AlbumTitle" : { "S" : "Can't Buy a Thrill"},  
21        "Released" : { "N" : "1972"}  
22      },  
23    ]  
24  }  
25}
```

(5 Bytes) 1:3 JSON Spaces: 4

multiple tables here, if needed.

3. **batch get items:** aws dynamodb batch-get-item --request-items file://inputGet.json

```
1 {"Music": {  
2   "Keys": [  
3     {  
4       "Artist": { "S": "Paul McCartney"},  
5       "SongTitle" : { "S": "Feet in the Clouds"}  
6     },  
7     {  
8       "Artist": { "S": "David Bowie"},  
9       "SongTitle" : { "S": "Space Oddity"}  
10    },  
11    {  
12      "Artist": { "S": "Bryan Adams"},  
13      "SongTitle" : { "S": "Cloud Number 9"}  
14    }  
15  ]  
16}
```

2:4 JSON Tabs: 4