

## Making changes to a Kinesis Data Streams destination on your DynamoDB table

By default, all Kinesis data stream records include an `ApproximateCreationDateTime` attribute. This attribute represents a timestamp in milliseconds of the approximate time when each record was created. You can change the precision of these values by using the <https://console.aws.amazon.com/kinesis>, the SDK or the AWS CLI

## Getting started with Kinesis Data Streams for Amazon DynamoDB

This section describes how to use Kinesis Data Streams for Amazon DynamoDB tables with the Amazon DynamoDB console, the AWS Command Line Interface (AWS CLI), and the API.

### Creating an active Amazon Kinesis data stream

All of these examples use the `Music` DynamoDB table that was created as part of the [Getting started with DynamoDB](#) tutorial.

To learn more about how to build consumers and connect your Kinesis data stream to other AWS services, see [Reading data from Kinesis Data Streams](#) in the *Amazon Kinesis Data Streams developer guide*.

#### Note

When you're first using KDS shards, we recommend setting your shards to scale up and down with usage patterns. After you have accumulated more data on usage patterns, you can adjust the shards in your stream to match.

### Console

1. Sign in to the AWS Management Console and open the Kinesis console at <https://console.aws.amazon.com/kinesis/>.
2. Choose **Create data stream** and follow the instructions to create a stream called `samplestream`.
3. Open the DynamoDB console at <https://console.aws.amazon.com/dynamodb/>.
4. In the navigation pane on the left side of the console, choose **Tables**.
5. Choose the **Music** table.
6. Choose the **Exports and streams** tab.

7. (Optional) Under **Amazon Kinesis data stream details**, you can change the record timestamp precision from microsecond (default) to millisecond.
8. Choose **samplestream** from the dropdown list.
9. Choose the **Turn On** button.

## AWS CLI

1. Create a Kinesis Data Streams named `samplestream` by using the [create-stream command](#).

```
aws kinesis create-stream --stream-name samplestream --shard-count 3
```

See [Shard management considerations for Kinesis Data Streams](#) before setting the number of shards for the Kinesis data stream.

2. Check that the Kinesis stream is active and ready for use by using the [describe-stream command](#).

```
aws kinesis describe-stream --stream-name samplestream
```

3. Enable Kinesis streaming on the DynamoDB table by using the DynamoDB `enable-kinesis-streaming-destination` command. Replace the `stream-arn` value with the one that was returned by `describe-stream` in the previous step. Optionally, enable streaming with a more granular (microsecond) precision of timestamp values returned on each record.

Enable streaming with microsecond timestamp precision:

```
aws dynamodb enable-kinesis-streaming-destination \
--table-name Music \
--stream-arn arn:aws:kinesis:us-west-2:12345678901:stream/samplestream
--enable-kinesis-streaming-configuration
ApproximateCreationDateTimePrecision=MICROSECOND
```

Or enable streaming with default timestamp precision (millisecond):

```
aws dynamodb enable-kinesis-streaming-destination \
--table-name Music \
```