

Exercise 2.1: Working with Partitions

In this exercise, you will:

- Create a new table that allows querying videos by title and year using a composite partition key

Background

Your peers need to query videos based on 'title' and 'added_year'. The new columns for this table are:

Column Name	Data Type
title	text
added_year	int
added_date	timestamp
description	text
user_id	uuid
video_id	uuid

Steps

1. Use a text editor to view the `/home/ubuntu/labwork/partitions/videos_by_title_year.csv` file.
2. At prompt, navigate to `/home/ubuntu/labwork/partitions/`.
3. Start `cqlsh`
4. Create a second table in the 'killrvideo' keyspace called 'videos_by_title_year' with the structure shown in above table. Be sure users can query this table on both 'title' and 'added_year' by combining them into the partition key.
5. Load the data from the 'videos_by_title_year.csv' file using the `COPY` command.
6. `COPY videos_by_title_year (title, added_year, added_date, description, user_id, video_id) FROM 'videos_by_title_year.csv' WITH HEADER=true;`

7. Try running queries on the 'videos_by_title_year' table to query on a specific 'title' and 'added_year'.

Example queries:

title	added_year
Introduction to Apache Cassandra	2014
Grumpy Cat: Slow Motion	2015
Grumpy Cat: Slow Motion	2015
AzureDev	2015

8. What error does Cassandra return when you try to query on just title or just year? Why?
9. Exit cqlsh.