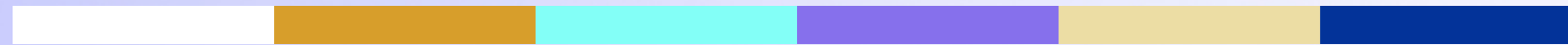# Introduction to Apache Kafka

Agenda Overview - 4 Days

- Streaming Overview
- Kafka Overview
- Using Kafka API
- Kafka Streams
- Kafka ecosystem (connect, Confluent)
- Schema in Kafka
- Kafka Metrics
- Kafka Admin
- Best Practices and use cases
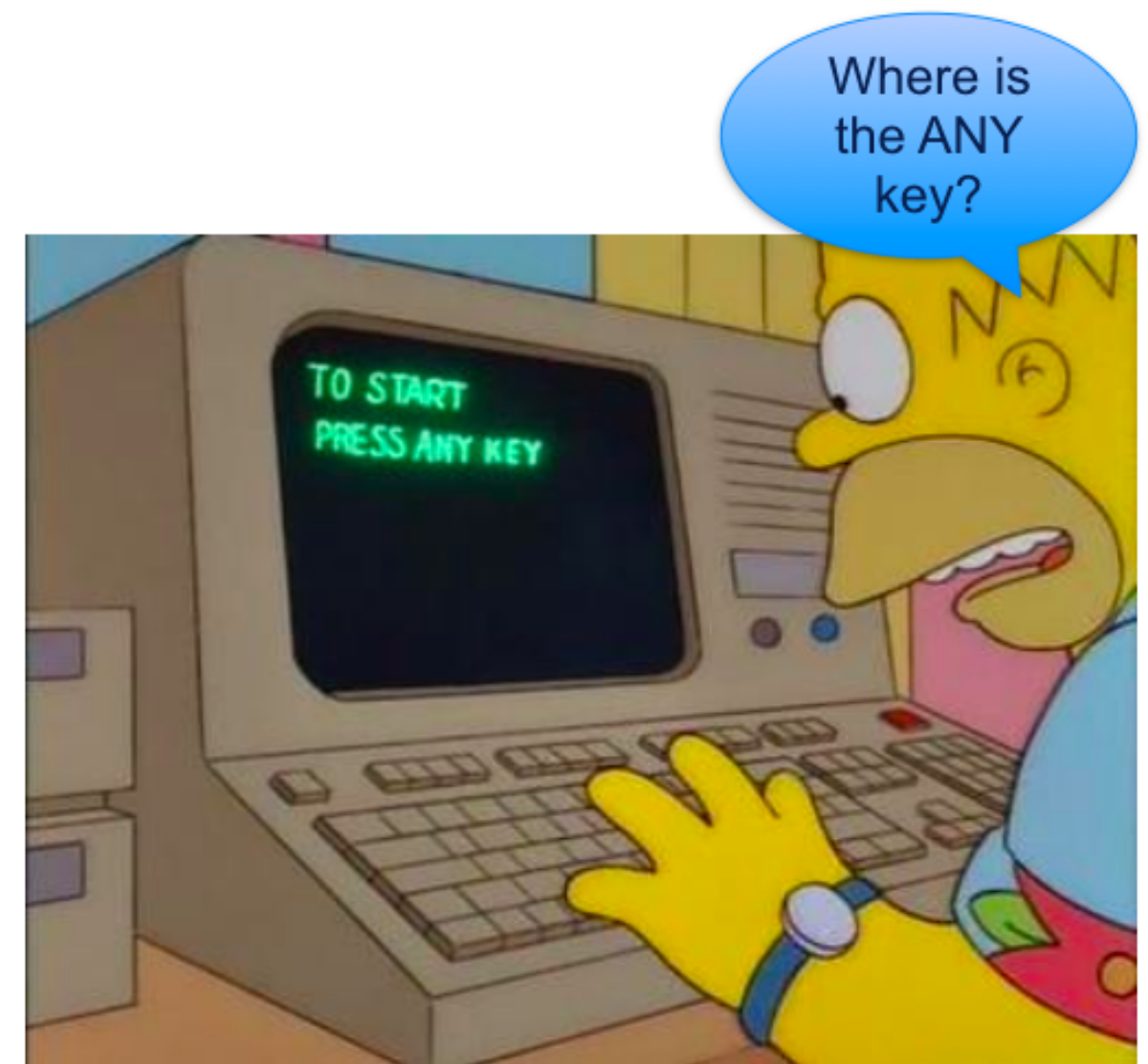- Design Workshop

Prerequisites & Expectations

- Familiarity with either Java language

  - Need to be comfortable programming in Java

- Basic understanding of Linux development environment

  - Command line navigation
  - Running commands

- This is a **Kafka Introductory** class.

  - No previous Kafka knowledge is assumed
  - Class will be paced based on the pace of majority of the students.

Our Teaching Philosophy

- Emphasis on concepts & fundamentals

- Learn the API

- Highly interactive (questions, discussions, etc. are welcome)

- Hands-on (learn by doing)
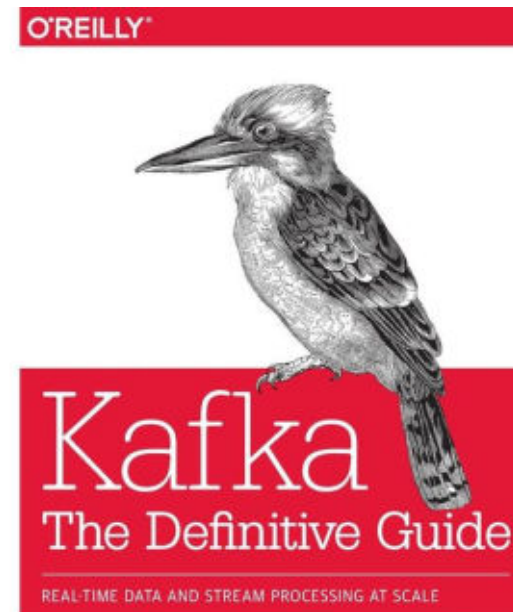
After The Class...

About You And Me

- About you
  - Your Name
  - Your background (developer, admin, manager, etc.)
  - Technologies you are familiar with
  - Familiarity with Kafka
    (scale of 1 - 4 ; 1 - new, 2 - know some concepts, 3 - took a course, 4 - using it at work)
  - Something non-technical about you! (favorite ice cream flavor / hobby etc.)

Recommended Books

- Kafka - The Definitive Guide

Class Logistics

- Instructor's contact

- Slides

- Labs

- Lab environment

Let's Get Started!