upGrad NoSQL Databases and Apache HBase



Session 2

Programming in HBase

Segment 2

HappyBase- HBase Python API

LEARNING OBJECTIVES

What is HappyBase?

How can basic operations be performed using HappyBase?

HBASE PYTHON API: HAPPYBASE

- HappyBase is a developer-friendly Python library to interact with Apache HBase.
- ☐ HappyBase uses the Python Thrift library to connect to HBase using its Thrift gateway, which is included in the standard HBase 0.9x releases.
- ☐ Official Documentation- https://happybase.readthedocs.io/en/latest/

HBASE PYTHON API: HAPPYBASE

- We will be writing Python scripts to perform following operations on HBase:
 - Listing HBase tables
 - Creating an HBase table
 - Inserting data into an HBase table
 - Reading data from an HBase table
 - Scanning all the rows from an HBase table
 - Deleting data from an HBase table
 - Dropping Table from HBase

USE CASE

The events are flowing in real time on a platform, where events can be of type search, product description page, add to cart, confirmation, etc.

We have to fetch and transform events of user in real time and store it in HBase, which can be later used for analytics.

- Tables
- User
- Events
- Products

Thank You!