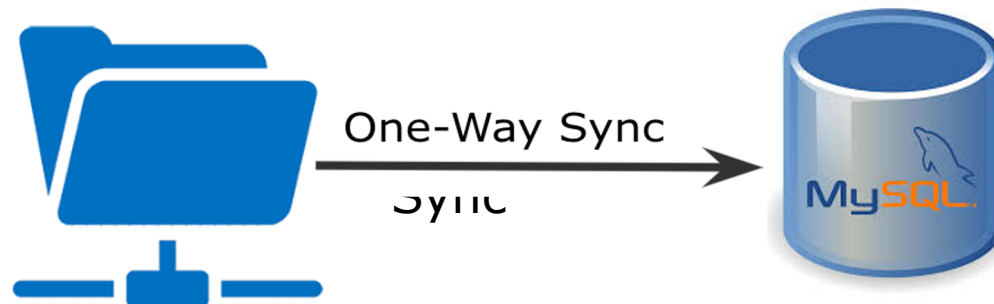# Synchronizing from a file system to a database

Homework

- Identify and recommend the Mule event processing models for a file transfer use case

- Identify and explain every factor that helps evaluate the best processing model

- Justify each Mule event processing model decision based on the identified factors

- Document flows that can implement the selected Mule event processing models

One-Way Sync

Sync

MySQL

Homework

- A few times a day, at random times, a **new source file** containing financial data for customers is **uploaded** to a specific directory on the **file server**

- The Mule application must quickly **process the file** and then send results to a **target MySQL database**

- Each file has about **one million records** of customer data

- **Auditing** and **traceability** of each record is critical

- **Human intervention** must be allowed to **post-process** any **failed records**

- The Mule application has been budgeted to deploy to **one 0.2 vCore CloudHub worker** (with 1GB of heap memory)