

### **Flow:**



### **Problem:**

1. **Feed management:** Distribute client XML job feeds to different publishers. Each client feed has a specific SLA to publish the feeds (~2hrs)

Sample feed: <https://job-feeds-devlocal.s3.amazonaws.com/joveo-actual-10-jobs.xml>

2. **Job Segmentation:** jobgroup creation based on job level attribute filters and hierarchy management to tag a publisher at any of the hierarchical levels

### **Entities:**

**Client** →

**Job** -

**JobGroup** -- filters like - category = software push to linkedin, city etc..

**Publisher**

### **Hierarchy:**

L1 Clients - indeed //Client Level Filtering

L2 JobGroups - linkedin //Job Group Level Based Filtering

L3 Job - monster//

**Precedence Order** : L3 > L2 > L1

### **Expectation:**

0. Data Ingestion HLD

1. LLD - Class structure of the E2E workflow
2. LLD - Data model part (Client, Jobgroup, Job) and few access patterns

1. Get All jobs for Publisher x. [Across the clients]
2. What are the jobs in JobGroup x. {SDE, Hyd}
3. If jobGroup criteria is changed - what happens then?

to get the publisher:

MySql:

Jobs{

    JobId,  
    title,  
    country,  
    description,  
    ...  
    Url,  
    Publisher,

};

Publisher {

    publisher -> [jobId ,, ]

}

// No SQL

JobGroup{

    Key : JobId  
    value : Publisher

}

jobTag{

    jobId -> Publisher

}

Query: jobgroup {SDE, HYD, country != IND} // publisherTag is linkedin

Job {Title: Software, reqId: 123}

// reqID: 123 -- Monster

JG1: : Indeed

- 123 :

1. It created a JG - and assigned tag as Indeed.
2. It assigned job tag as monster.
3. It deleted the job tag.