```
                          ┌─────────────────┐
                          │                 │
                          │   Job Starts    │
                          │                 │
                          └────────┬────────┘
                                   │
                                   ▼
                              ◇─────────◇        ┌──────────────────────────┐
                            ◇             ◇       │ Return JobResult with     │
                          ◇  Check if already ◇   │ logging information –      │
                         ◇  a job with same    ◇  │ already a job with same    │
                         ◇  jobdefinitionid     ◇─│ jobdefinitionId is in      │
                          ◇ is in progress ?   ◇ Y│ progress                   │
                            ◇               ◇     └──────────────────────────┘
                              ◇──────┬──◇
                                     │ N
                                     ▼
                          ┌─────────────────────┐
                          │                     │
                          │   File Discovery    │
                          │                     │
                          └──────────┬──────────┘
                                     │ Y
                                     ▼
```

Scenarios

1) If Force-Reharvest is true = > Create a new harvester task with iscompleted = false.
2) If no harvestertask found with same file hash then create a new harvestertask with iscompleted = false.
3) If existing harvester task is found with same file hash then if!(iscompleted ?? false) == true i.e. the existing task flag suggests its in progress and its lastupdatedAt is older than the current time crossing the threshold value (say 10 mins) then we consider the existing task to be dead and generate a new harvestertask with iscompleted = false.
4) Else do nothing

```
                          ┌──────────────────────────────────────┐
                          │ Generate harvestertask entries in the  │
                          │            database                     │
                          └──────────────────┬─────────────────────┘
                                             ▼
```

For all the new generated harvestertasks that have iscompleted == null or false, we will extract the files and process them further. Also there would be timer running for each of such harvestertask that updates the last_updated_at column with current datetime stamp and this gets disposed off when the task cycle gets completed.