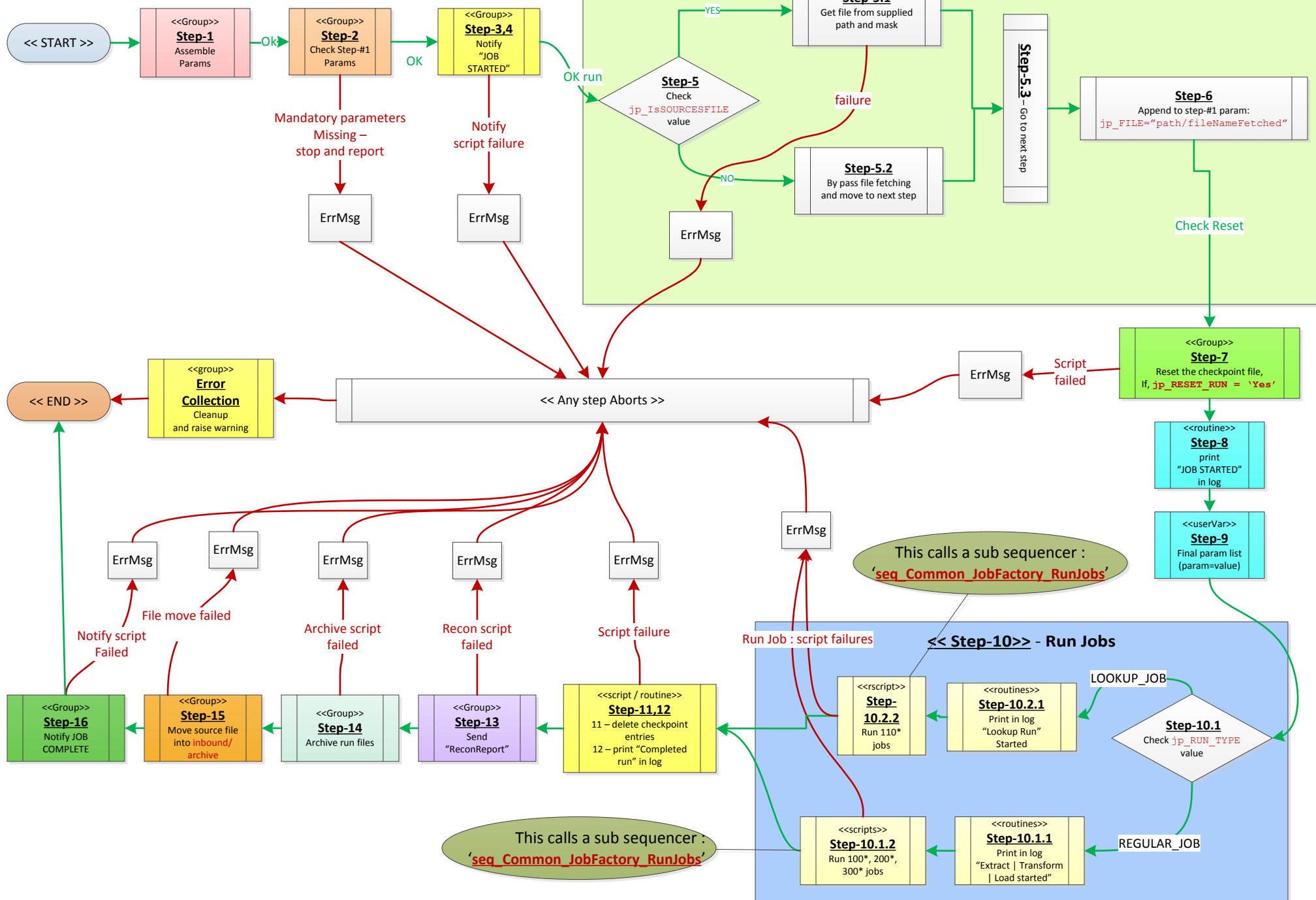
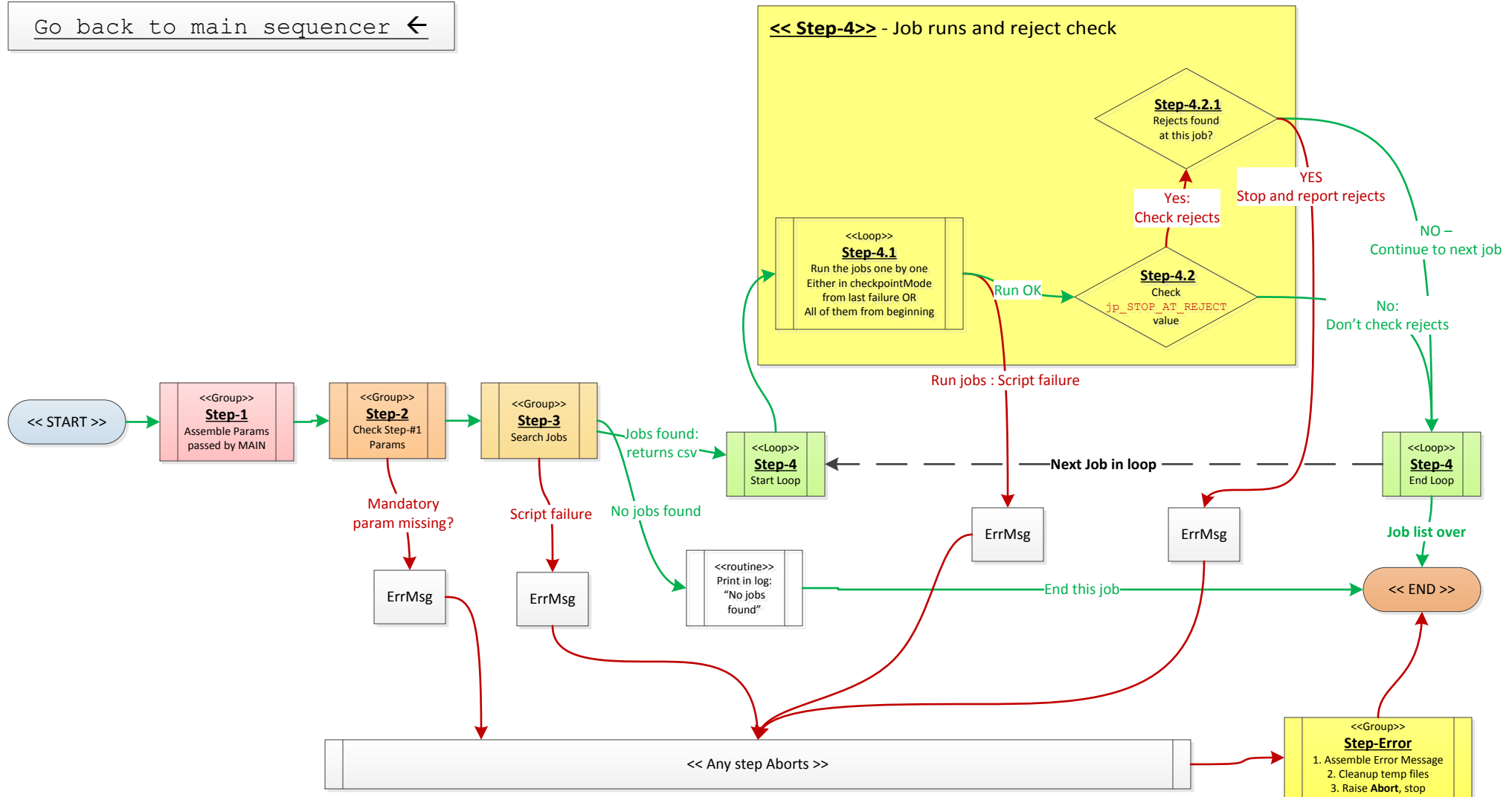


<<sequencer>> : seq\_Common\_JobFactory\_MAIN job



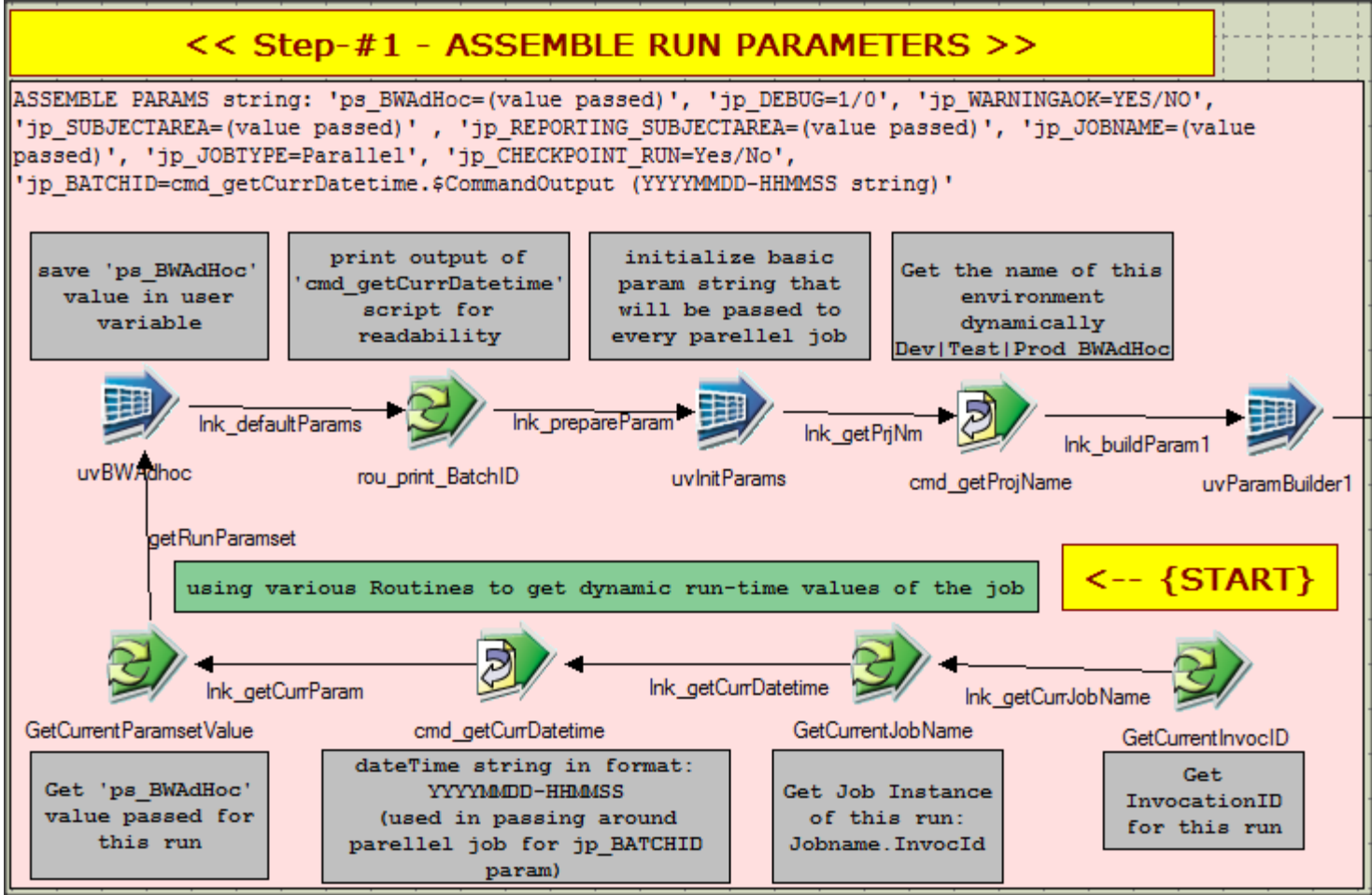
<<sequencer>> : seq\_Common\_JobFactory\_RunJobs.[InvocationID] job

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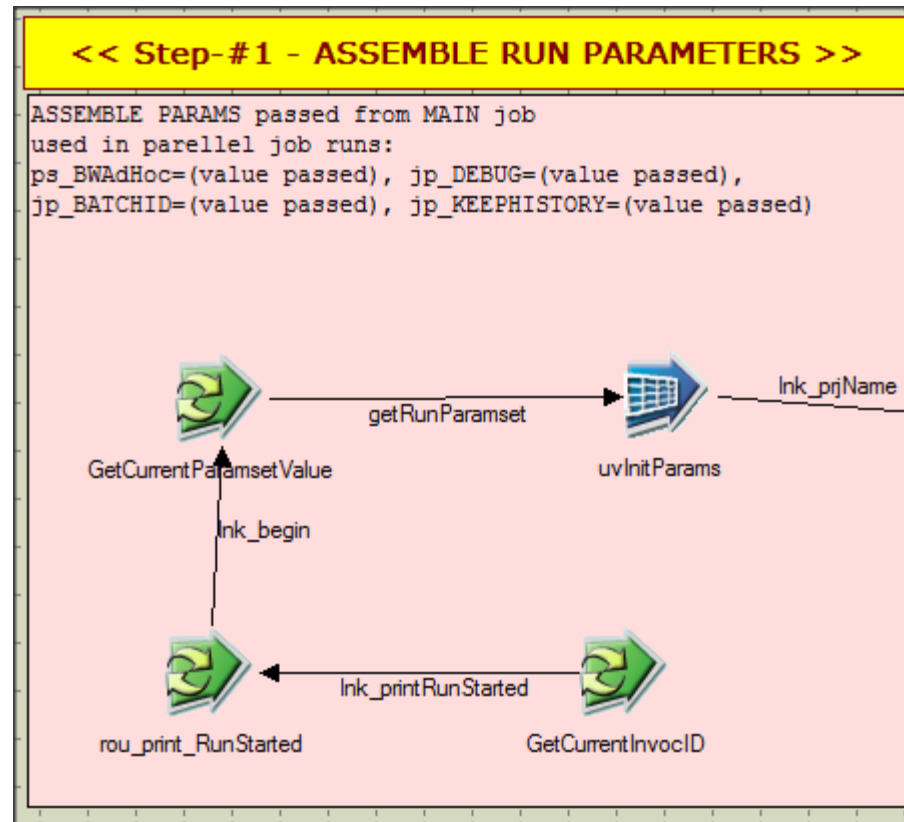
[Go back to main sequencer](#) ←

- 1) Run various routines to get dynamic run time values
- 1) Assemble run params in below mentioned format:  
"paramname1 = value1, paramname2 = value2, etc"



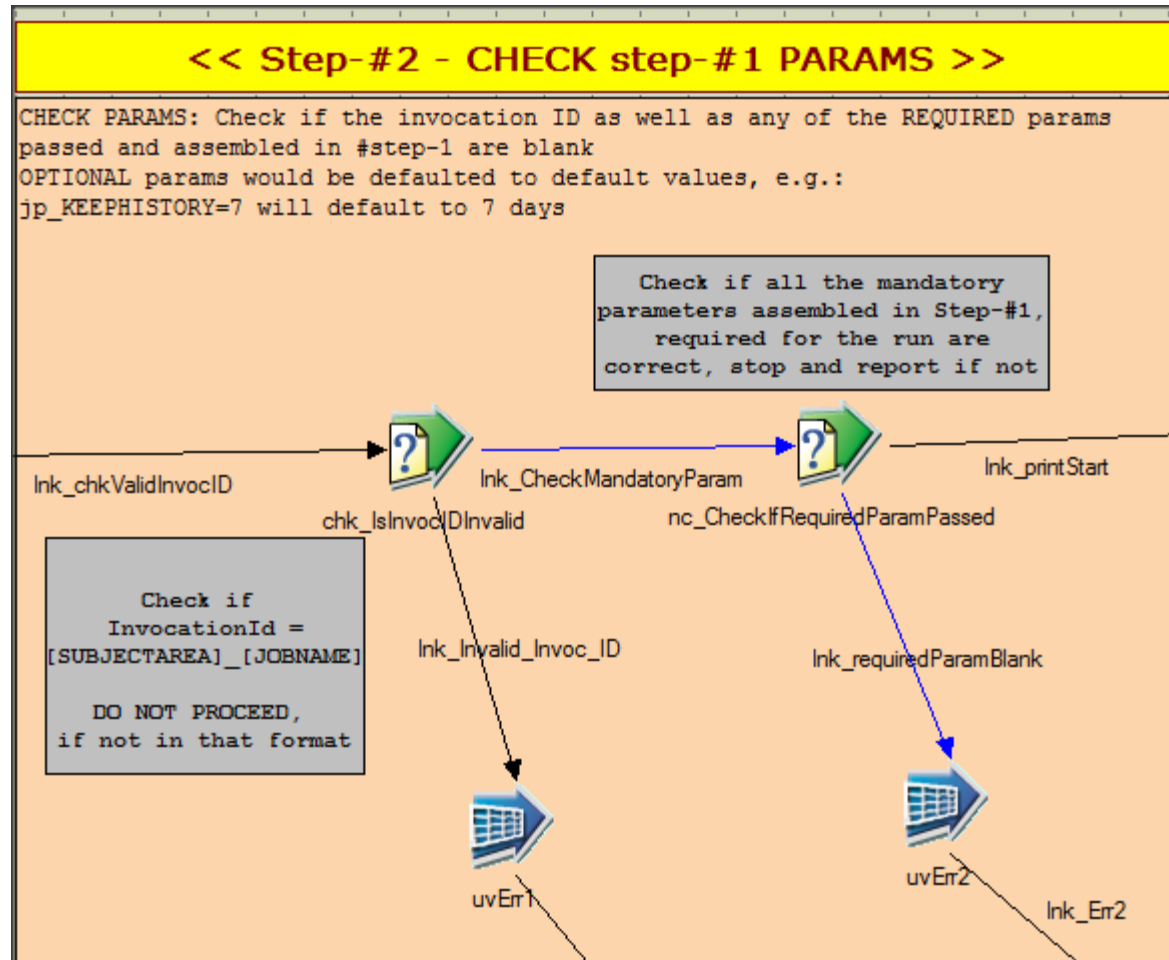
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- 1) Run various routines to get dynamic run time values
- 1) Assemble run params passed from the main sequencer:  
"paramname1 = value1, paramname2 = value2, etc"



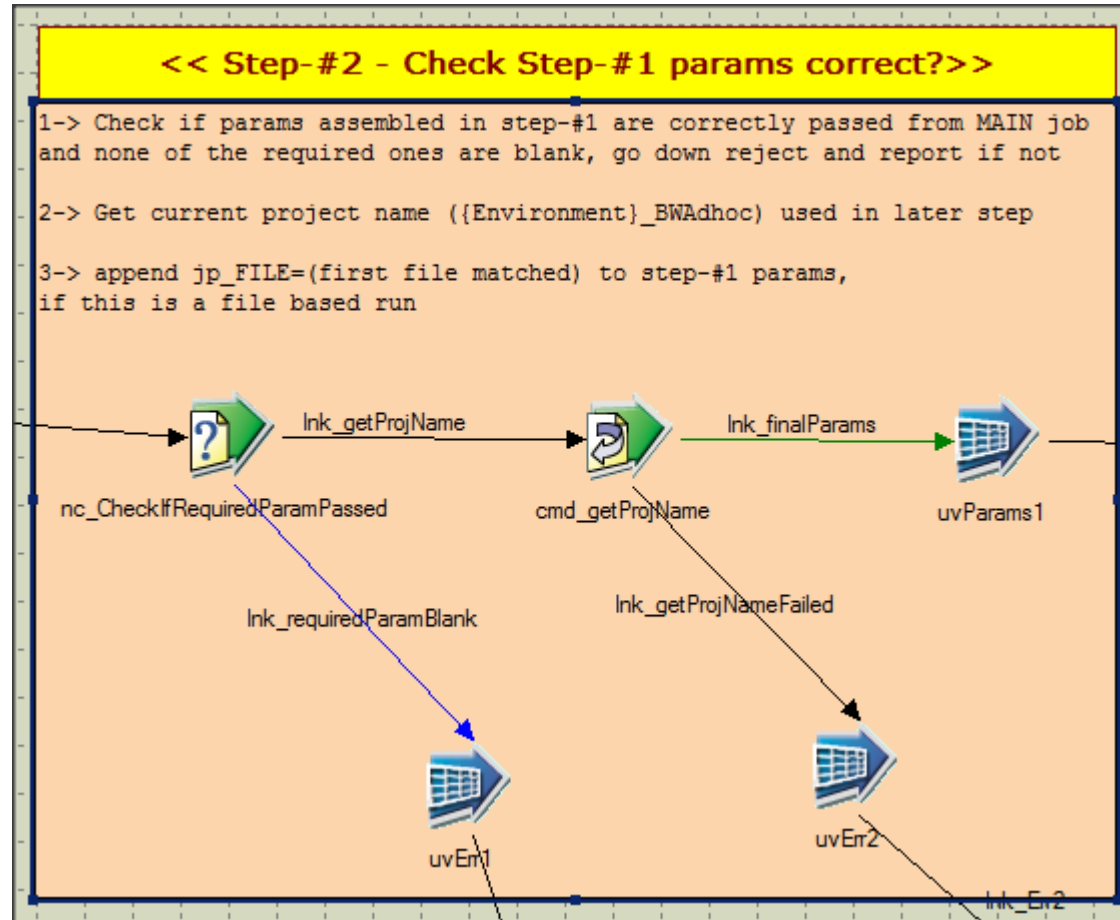
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- 1) Check if "InvocationID" = "[jp\_SUBJECTAREA]\_[jp\_JOBNAME]",  
-> stop and report bad Invocation if not
- 2) Check if **all the required parameters** are passed with correct value  
-> stop and report bad parameters if not



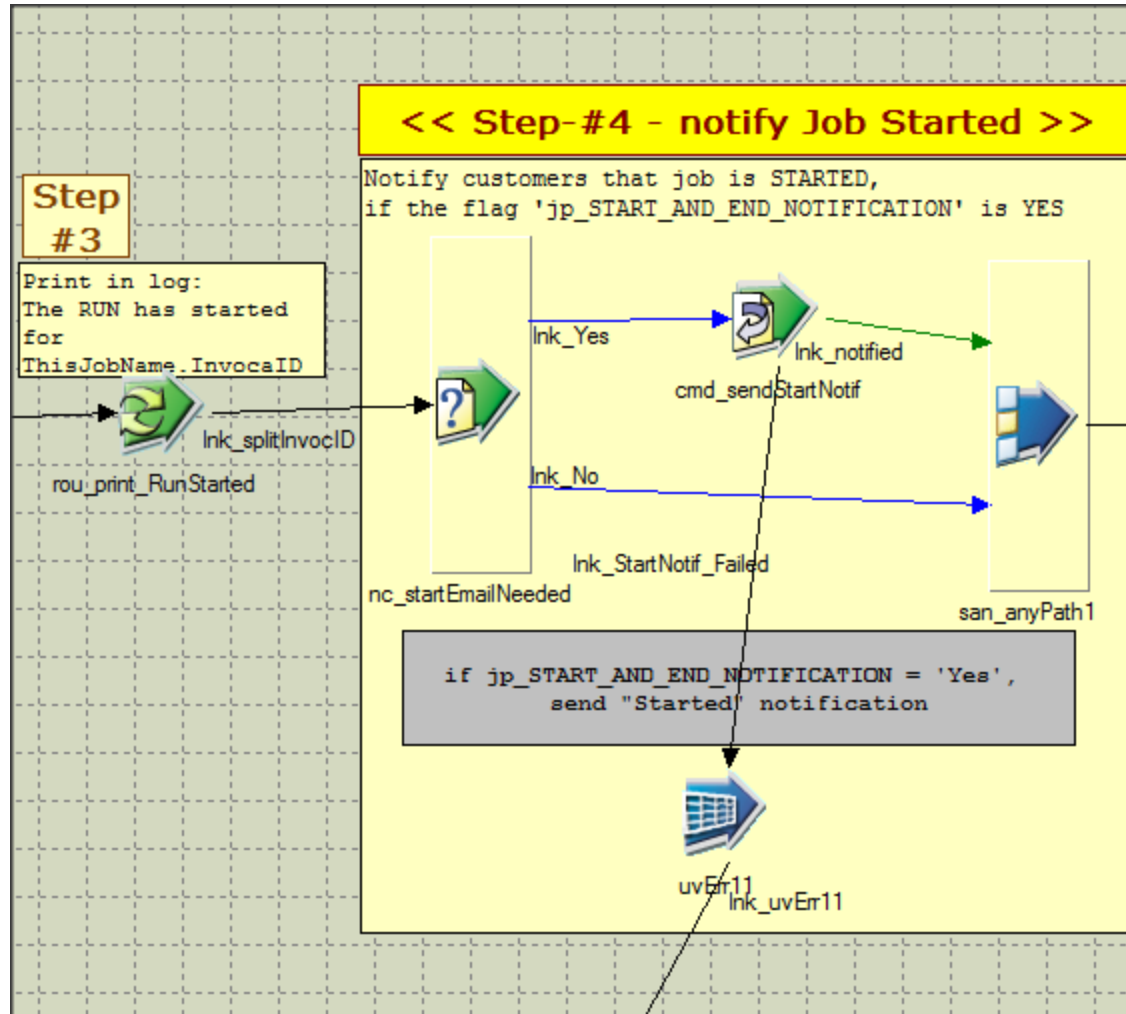
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- 1) Check if the required params were passed correctly  
If NO, report the missing param and stop



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- 1) Print in job log "Started Run for : {seq\_Common\_JobFactory\_MAIN.InvocationID}"
- 2) if `jp_START_AND_END_NOTIFICATION = "Yes"`,  
then send informational email to users stating: "{InvocationID} Run has STARTED"

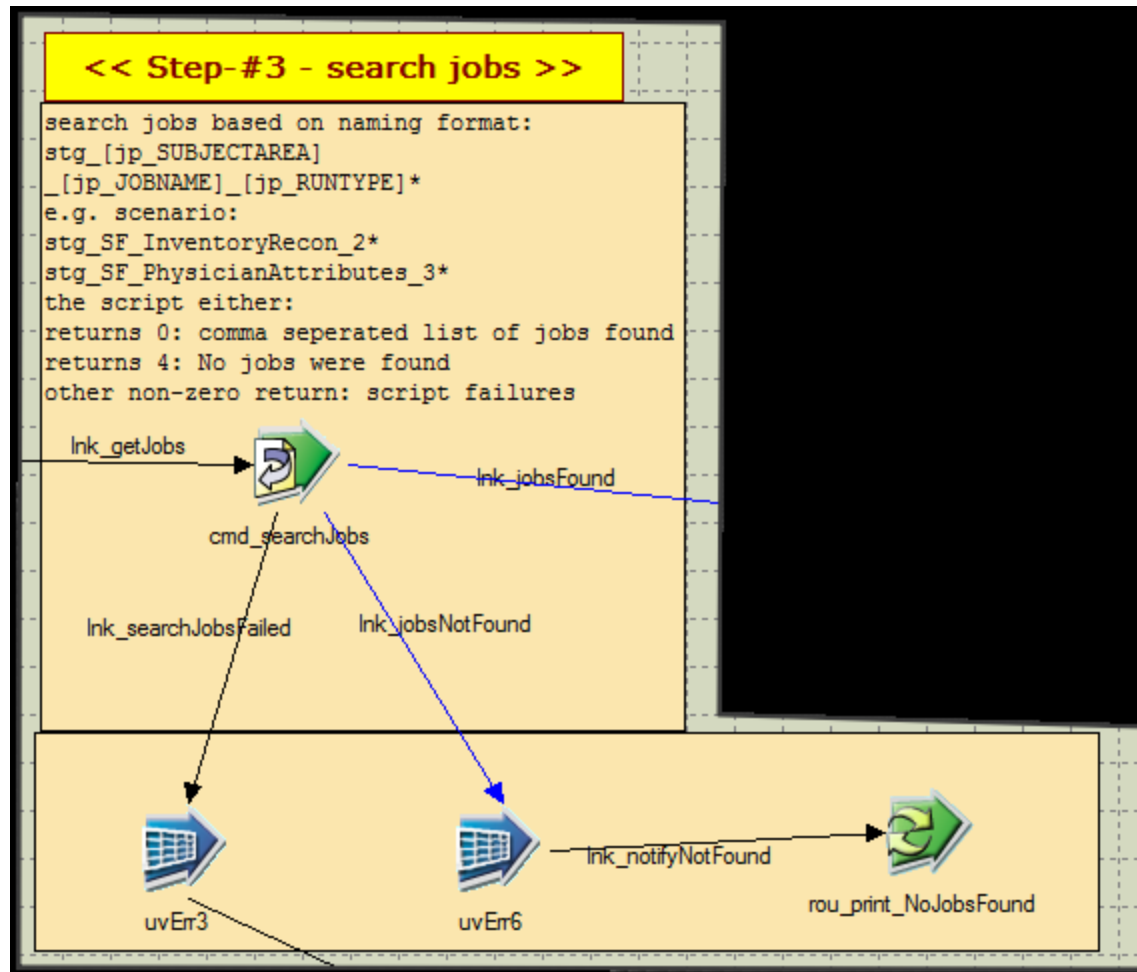


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1) Search job based on following predicate for:

- 1A) Extract : `stg_[jp_SUBJECTAREA]_[jp_JOBNAME]_1*`
- 1B) Transform : `stg_[jp_SUBJECTAREA]_[jp_JOBNAME]_2*`
- 1C) Load : `stg_[jp_SUBJECTAREA]_[jp_JOBNAME]_3*`
- 1D) LookupExtract : `stg_[jp_SUBJECTAREA]_Lookup_*_110*`

If **found**, returns a comma separate list of job names, that is used in loop  
if **not found**, prints in log "NO JOBS FOUND" and ends

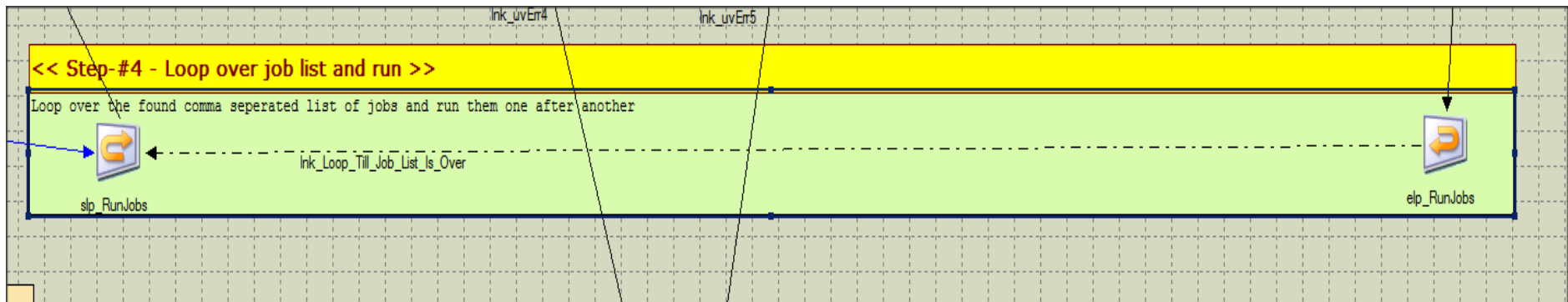




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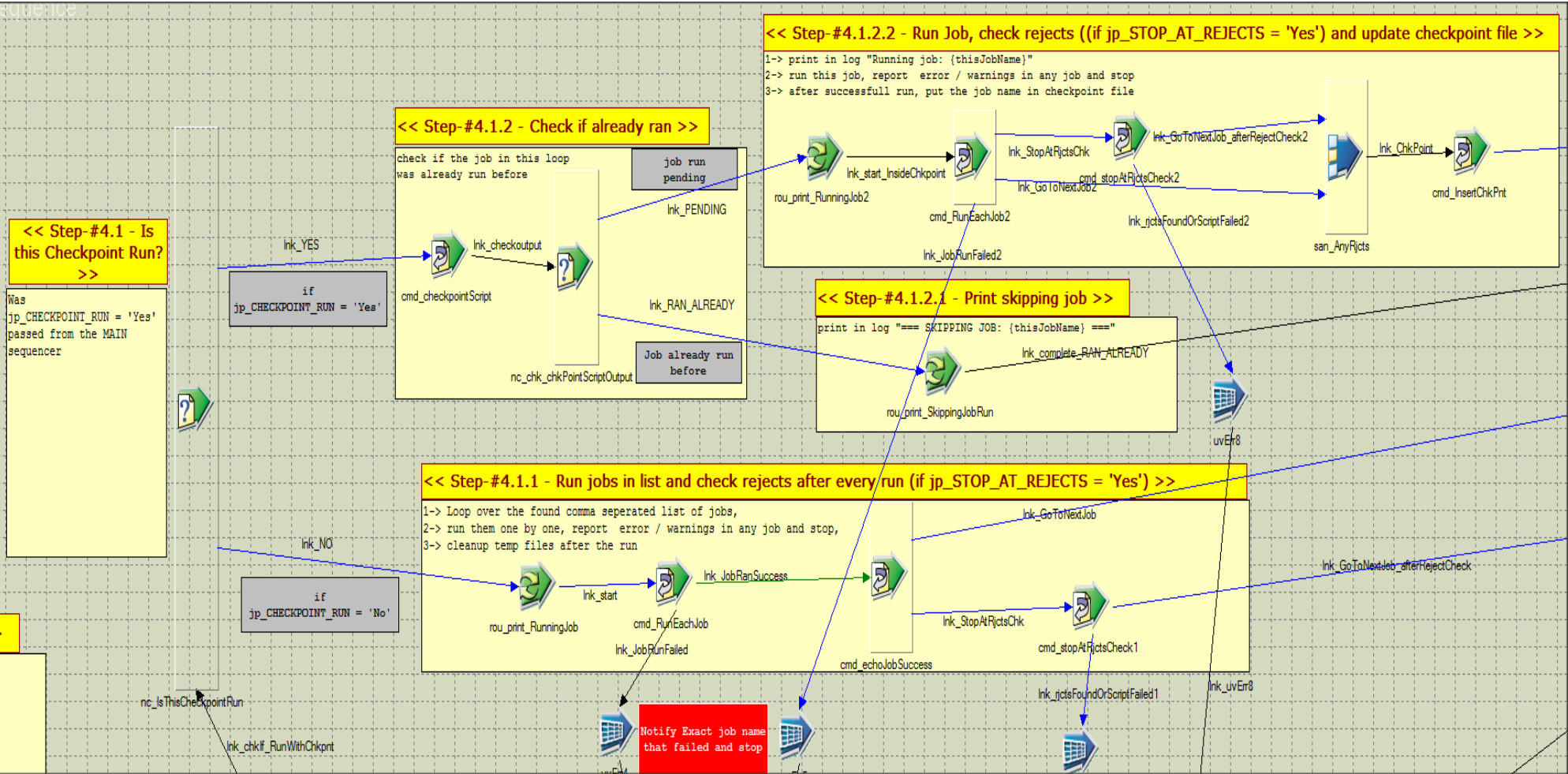
1) For each jobs returned in comma seperated list in step-#3:

1A) Run them one after another, either in checkpoint mode, or all of them from beginning without checkpoint



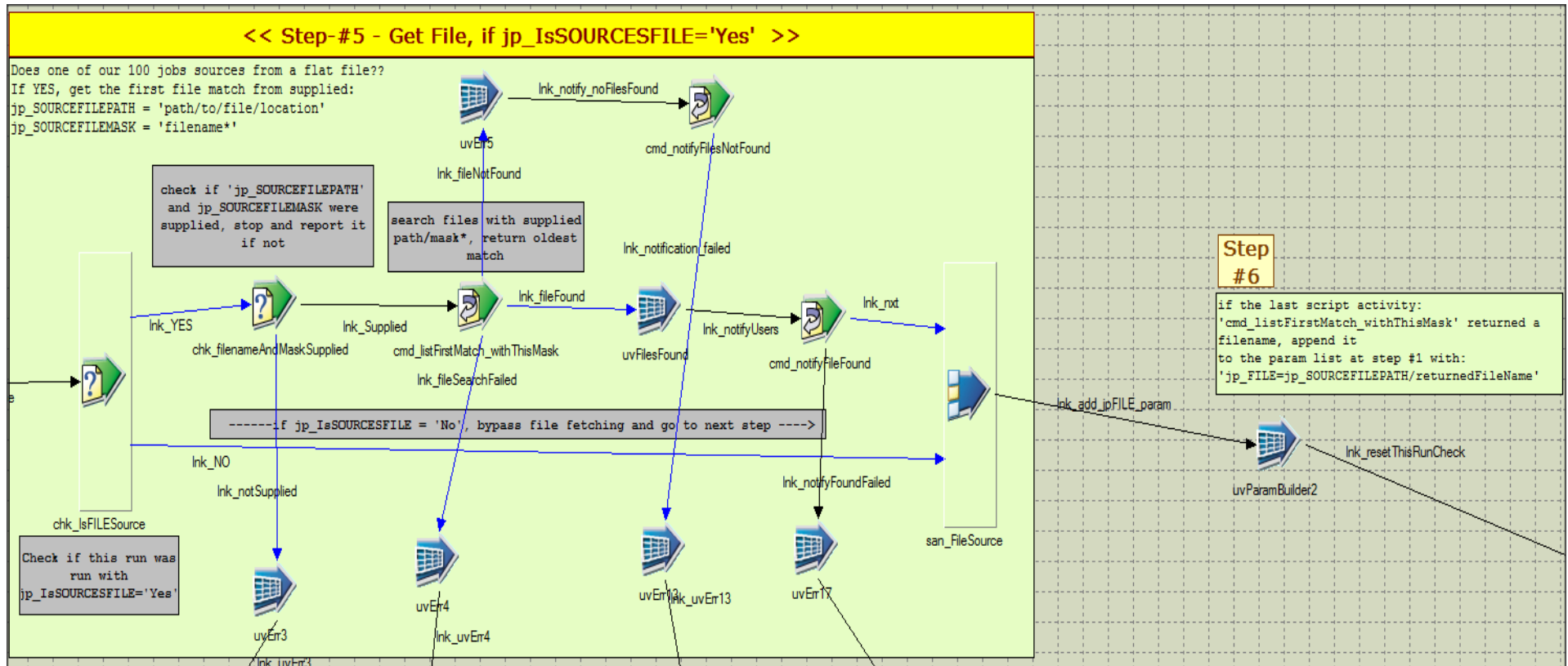
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- 4.1) Check value of `jp_CHECKPOINT_RUN` that was passed from MAIN sequencer
  - 4.1.1) If `jp_CHECKPOINT_RUN='No'`,
    - 4.1.1.1) Run the current job in csv job list
    - 4.1.1.2) Check `jp_STOP_AT_REJECTS` value
      - if 'Yes' => check job's reject files, if rejects > 0, report and stop
      - if 'No' => don't check any rejects and move to next job
  - 4.1.2) If `jp_CHECKPOINT_RUN='Yes'`, check if the job in loop is found in checkpoint file through script
    - 4.1.2.1) if script output: `RAN_ALREADY`, print in log `"=== SKIPPING JOB - {thisJobName} ==="`
    - 4.1.2.2) if script output: `PENDING`, then do the following =>
      - 4.1.2.2.1) Run the current job in csv job list
      - 4.1.2.2.2) check `jp_STOP_AT_REJECTS` value
        - if 'Yes' => check job's reject files, if rejects > 0, report and stop
        - if 'No' => don't check any rejects and move to next step
      - 4.1.2.2.3) Put job name in checkpointfile:  
`"processing/[jp_SUBJECTAREA]_[jp_JOBNAME].chk"` file



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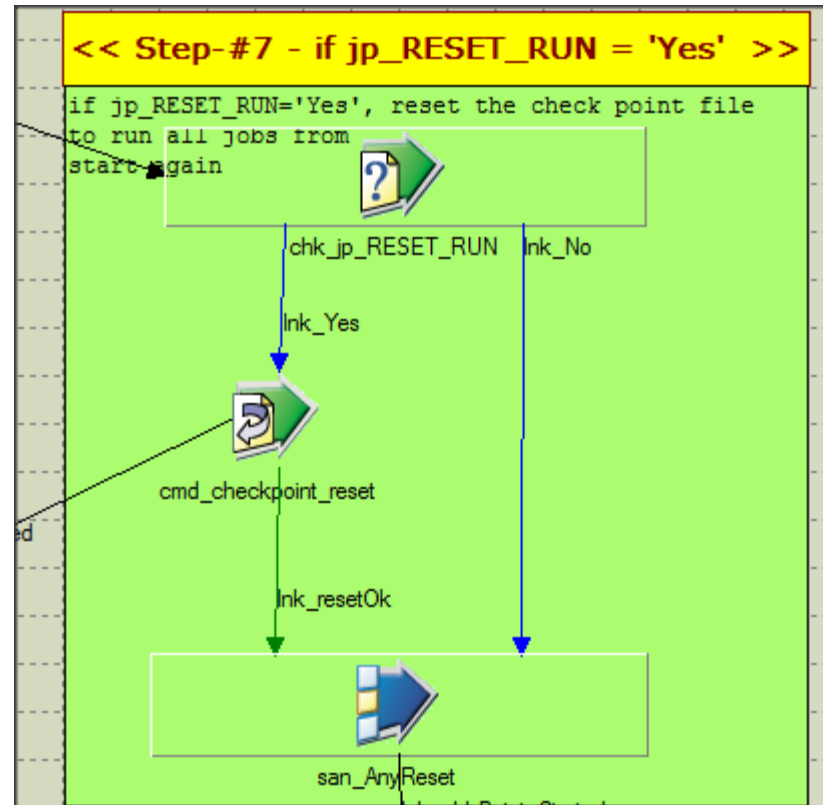
- 1) If `jp_ISSOURCEFILE = 'Yes'`, check if values for `jp_SOURCEFILEPATH` and `jp_SOURCEFILEMASK` was supplied  
-> if not supplied, report users and stop
- 2) if supplied, get the last file name match of supplied `jp_SOURCEFILEPATH` and `jp_SOURCEFILEMASK`
- 3) Append to step-#1 parameters one more param value:  
`jp_FILE="path/to/drop/location/returnedFilenameLastMatch"`



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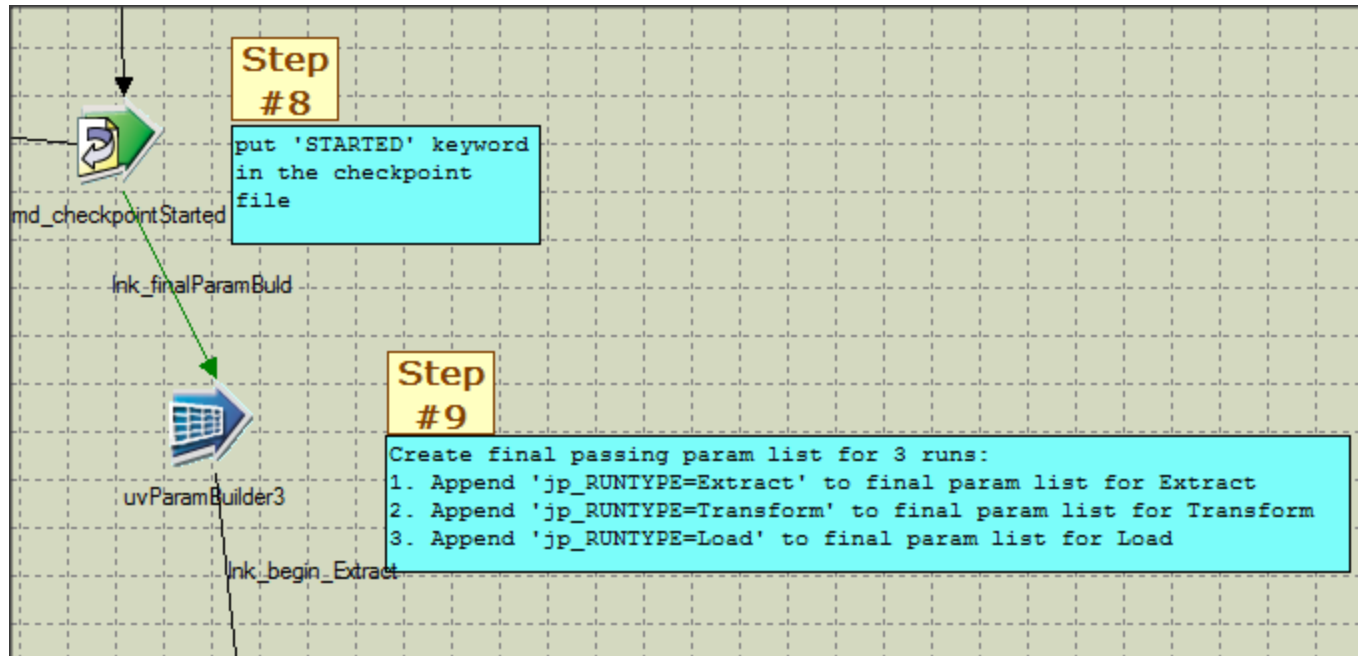
1) If `jp_RESET_RUN = 'Yes'`, Clear the check point file of previous job states, so that it can run from first job again

**!! WARNING !!** - production CPS schedule should never be run with `JP_RESET_RUN = 'Yes'`, this is for one time run scenarios



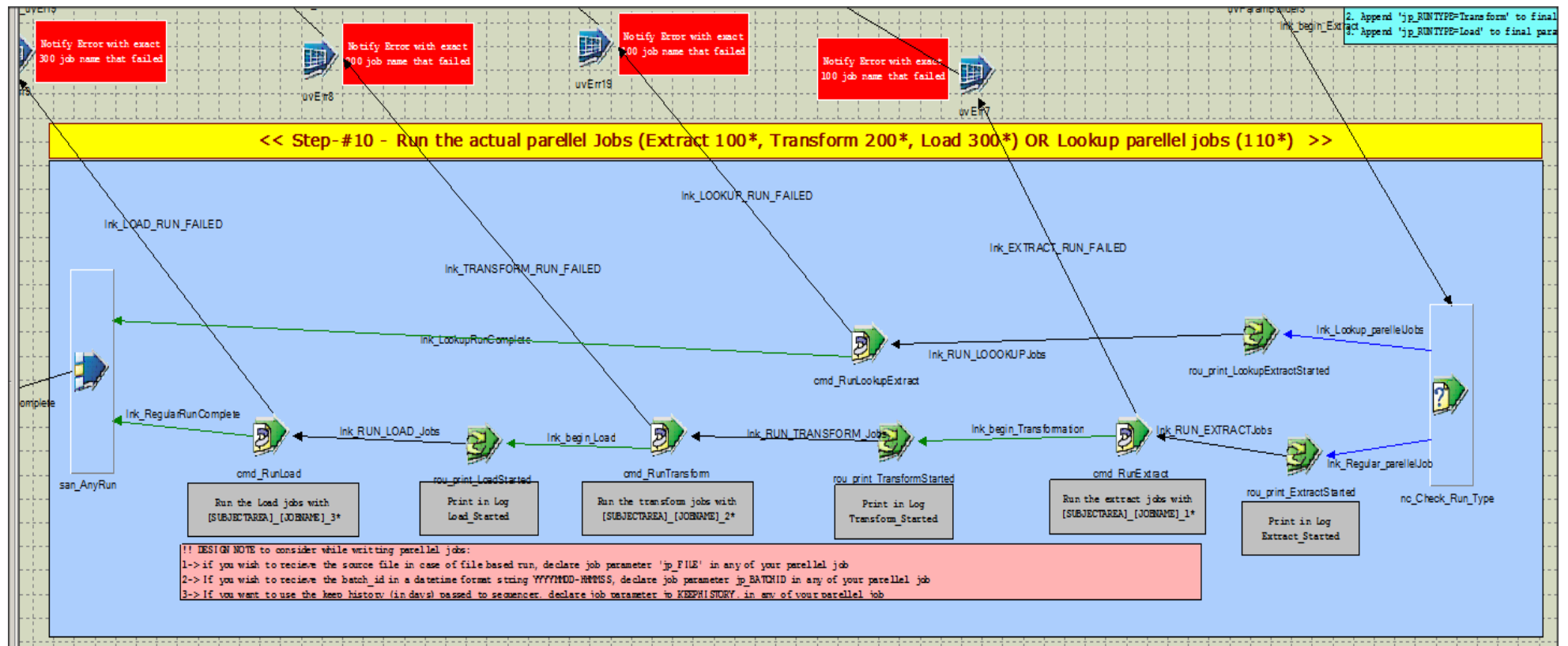
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- 1) Put `=== Started run for : seq_Common_JobFactory_MAIN.{thisJobName} ===` in the log
- 2) Create a final list of params for three runs: `Extract (100*)`, `Transform (200*)`, `Load (300*)`
- 3) Create a final list of params for Lookup run: `(110) jobs in your [jp_SUBJECTAREA]`



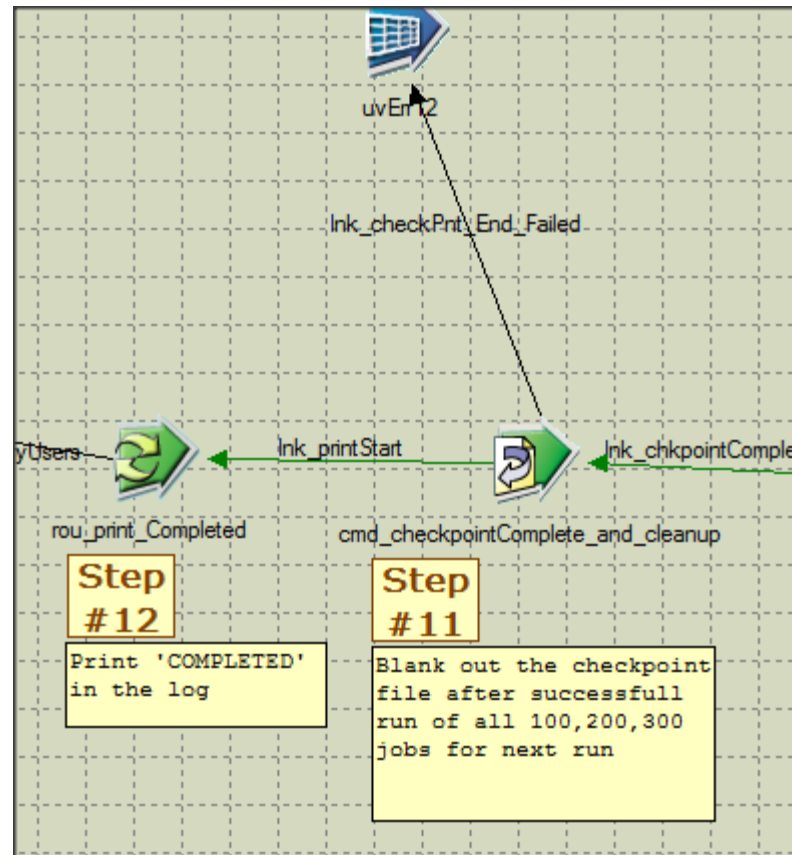
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- 1) Check the `jp_RUN_TYPE` value?
  - 1.1) If `[REGULAR_JOB]`
    - 1.1.1) Print in Log `"Started_[jp_SUBJECTAREA]_[jp_JOBNAME]_Extract | Transform | Load started"`
    - 1.1.2 ) Run the job run scripts for 100\*, 200\*, 300\* jobs in sequence
  - 1.2) If `[LOOKUP_JOB]`
    - 1.2.1) Print in Log `"Started_[jp_SUBJECTAREA]_Lookup Extract has Started"`
    - 1.2.2) Run the job script for 110\* jobname matches



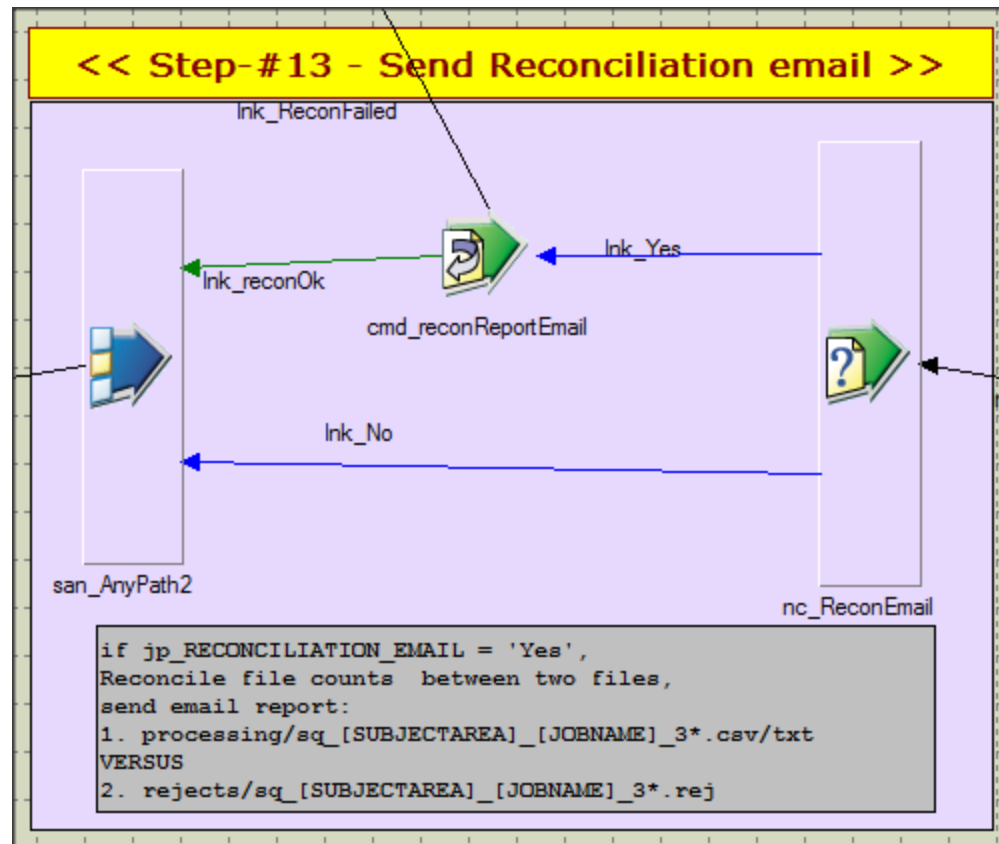
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- 1) Delete the checkpoint file so next job can begin from start, if `jp_CHECKPOINT_RUN = 'Yes'`
- 2) Print in log `"====Completed Run for : seq_Common_JobFactory_MAIN.[jp_SUBJECTAREA]_[jp_JOBNAME]===="`



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- 1) Check if `jp_RECONCILIATION_EMAIL = 'Yes'`,
- 1A) if **NO**, do nothing, go to next step - #14
- 1B) if **YES**, run script that compares the following files and sends a recon report email:  
'processing/sq\_[jp\_JOBNAME]\_\*.csv|txt' with its  
'rejects/sq\_[jp\_JOBNAME]\_\*.rej'





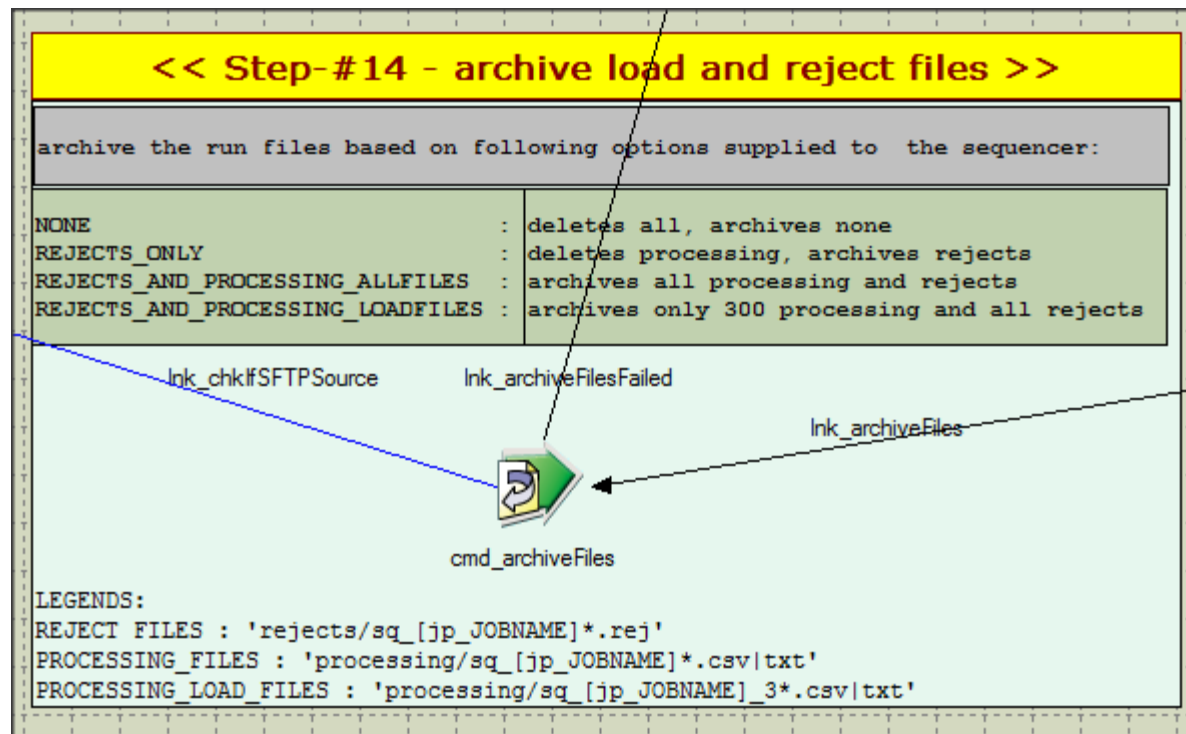
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1) Check the `jp_ARCHIVAL_OPTIONS` passed:

- |   |   |
|---|---|
| 1A) if 'NONE'                             | : Deletes all processing and reject files   |
| 1B) if 'REJECTS_ONLY'                     | : Archives only reject files, deletes all the processing files                                |
| 1C) if 'REJECTS_AND_PROCESSING_ALLFILES'  | : Archives both all the processing as well as reject files                                    |
| 1D) if 'REJECTS_AND_PROCESSING_LOADFILES' | : Archives only 300* processing files and all reject files, delete remaining processing files |

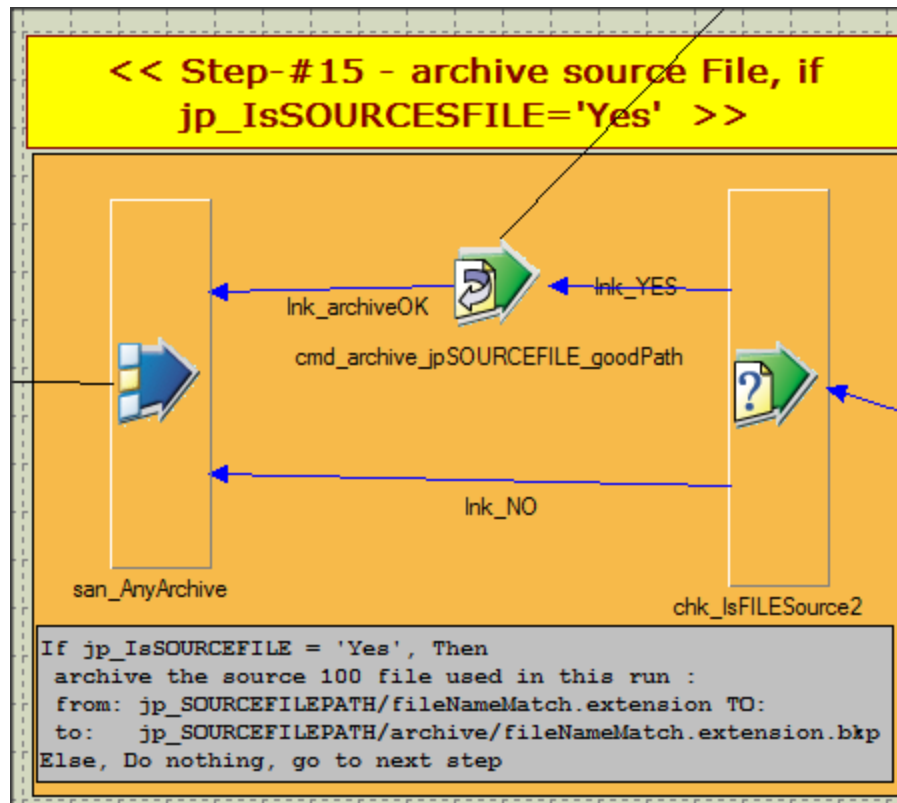
**LEGENDS:**

processing files	: ' <code>processing/sq_[jp_JOBNAME]*.csv txt</code> '
processing load files	: ' <code>processing/sq_[jp_JOBNAME]_3*.csv txt</code> '
reject files	: ' <code>rejects/sq_[jp_JOBNAME]*.rej</code> '



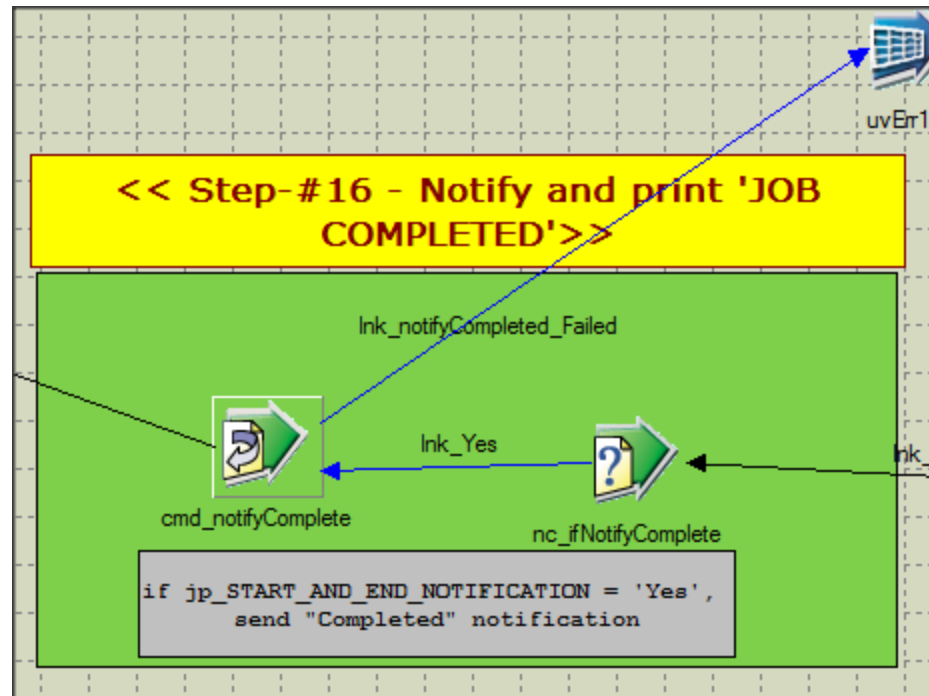
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1) If the job was run with `jp_IsSOURCEFILE = 'Yes'`:  
move the '`jp_SOURCEFILEPATH/firstMatch.extension`' to  
`'jp_SOURCEFILEPATH/archive/firstMatch.extension.bkp'`



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- 1) If `jp_START_AND_END_NOTIFICATION = 'Yes'`, then send email to users stating :  
'The job run : `[jp_SUBJECTAREA]_[jp_JOBNAME]` has **COMPLETED**'



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1) This is random failure collection, do the following on reaching here:

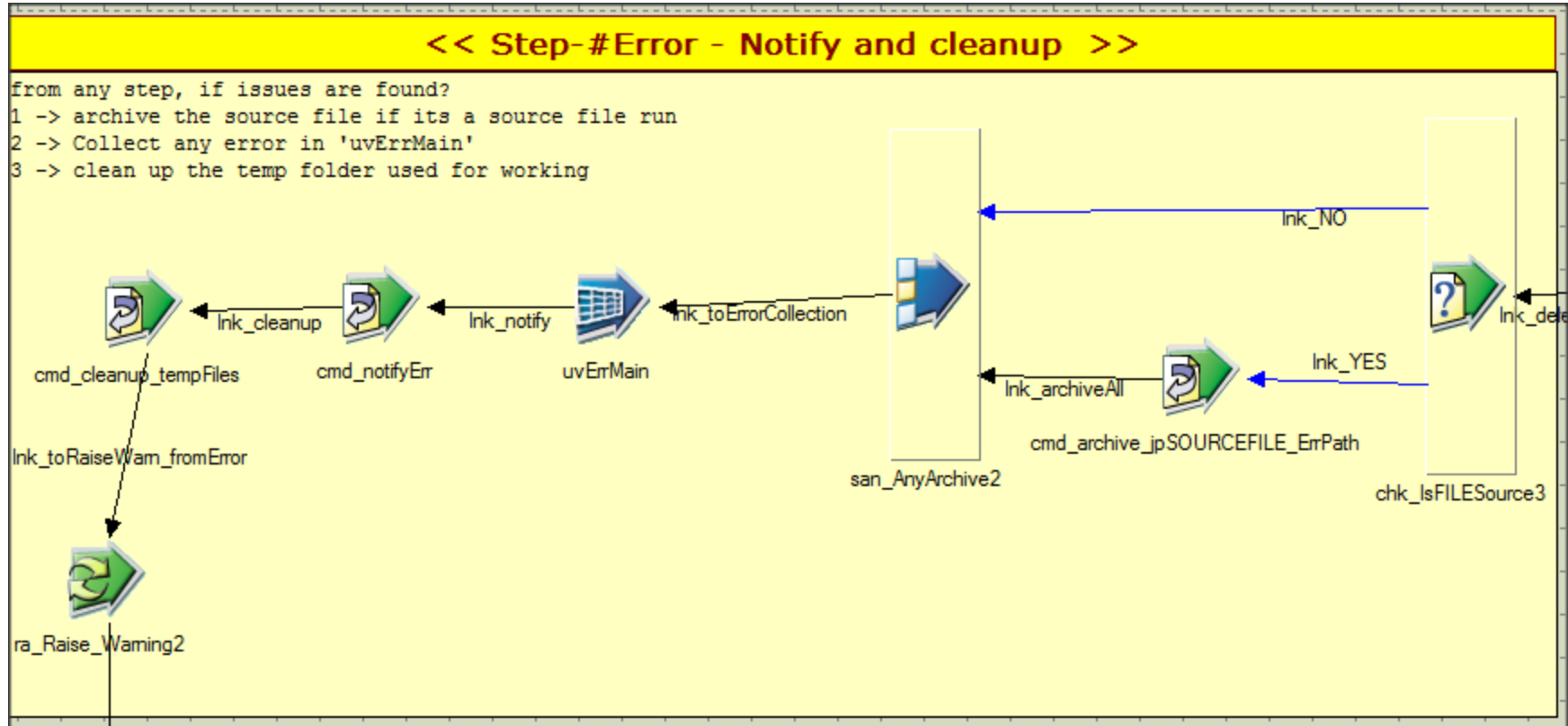
1.1) If `jp_IsSOURCEFILE='Yes'`:

1.1.1) send the source file from: `jp_SOURCEFILEPATH/firstFileMatch` to: `jp_SOURCEFILEPATH/archive/firstFileMatch.bkp`

1.2) Assemble the main error message from all the various errors at various step (uvErrMain)

1.3) cleanup the temporary files created during running of various scripts

1.4) Raise warning and stop



Go back to RunJobs sequencer ←

- 1.) Assemble error messages into a 'uvErrorMain'
- 2.) notify users of the failure
- 3.) Raise **Abort** and stop

