**Current Design:**

The rescheduling batch job runs once a week (Saturday morning). The first step of the job is a preprocessing program which identifies any POs that have had a date change in the previous 7 days, and places the materials on those documents into table TVARVC. The follow-on steps which perform rescheduling use these materials as the selection criteria.

**Open Issues:**

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| --- | --- | --- |
| **ID** | **Description** | **Proposed Solution** |
| 1 | PO quantity changes not taken into account during preprocessing | Modify preprocessing program to evaluate PO quantity changes |
| 2 | Dates are not moved if order is on credit hold. Subsequent rescheduling runs will not move the dates if the PO was modified outside the past 7 days | Modify preprocessing program to evaluate change logs of open orders. If order was created outside the past 7 days and credit hold was released within the past 7 days, include the materials in rescheduling |
| 3 | Dates are not moved if an order’s confirmed date is outside of total replenishment leadtime (TRL). Subsequent rescheduling runs (even once the date is within the TRL) will not move the dates if the PO was modified outside the past 7 days | Modify the preprocessing program to evaluate the confirmed delivery dates on open sales orders against the threshold of TRL for each material. If a sales order item has crossed the threshold of the material’s TRL within the past 7 days, include the material in rescheduling  |
| 4 | Overall batch job performance | Use parallel server group to balance load |

***Notes:***

1. *The immediate change that could be done to overcome few issues is by increasing the look back period from 7 to 14 days.*
2. *Open SO materials (excluding the materials from changed PO dates) for a given period could be fed to the rescheduling variants.*

***Comments:***

1. *Points 2&3 above could have impact on performance of the overall job duration. The actual performance post changes could only be evaluated in PRD environment as DEV or QUA testing could only provide feelers.*
2. *Usage of parallel servers is being evaluated in QUA.*