

# Scheduler

- [Procedure](#)

## Procedure

- Check taskAssignQueue if empty request Receptionist
- Receive a job from Receptionist
  - schedule active tasks to particular [GroomServer\(s\)](#)
- Wait for [GroomServer](#) request, with [GroomServerSpec](#), for task assign.

```
if active tasks scheduled to the same groom server +  
  to be assigned task > GroomServerSpec.totalSlots  
  skip GroomServer's TaskManager request  
else  
  dispatch directive(task)
```

- Check if all tasks for a job is scheduled/ assigned
  - if true, move the job to processingQueue else wait for [GroomServer](#) request.
- If [RescheduledTask](#) event triggered,
  - Stop all tasks of a job/ jobs
  - Move failed jobs to a temp queue
  - Reschedule (recalculate split, etc.?) tasks for jobs sequentially.