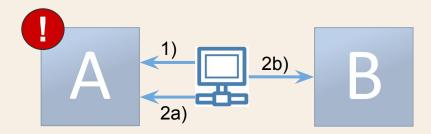
Extended Task Resubmission

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Baseline

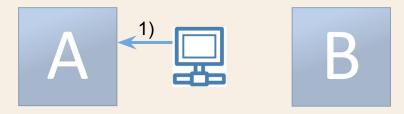
1. Task Resubmission

A job may fail now whenever a failed task is detected, in this case at runtime the task is resubmitted either to the same or to a different resource for execution.

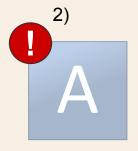


After a task failed on the main resource, it is resubmitted to another node. In the meantime, the source node is restarted to exclude possible failures due to software and caching.

1. Task is send to A



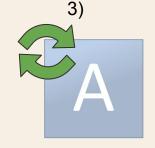
- 1. Task is send to A
- 2. Error on A

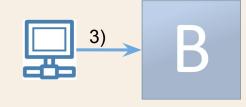






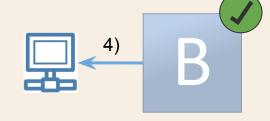
- Task is send to A
- 2. Failure on A
- 3. Resubmit to B
 Restart A





- Task is send to A
- 2. Failure on A
- Resubmit to BRestart A
- 4. B completes task
 - → Notify controller





- 1. Task is send to A
- 2. Failure on A
- Resubmit to B Restart A
- 4. B completes task
 - → Notify controller
- 5. B fails
 - →Task cannot be completed







Thank You!

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