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JBoss DataGrid MapReduce Demo

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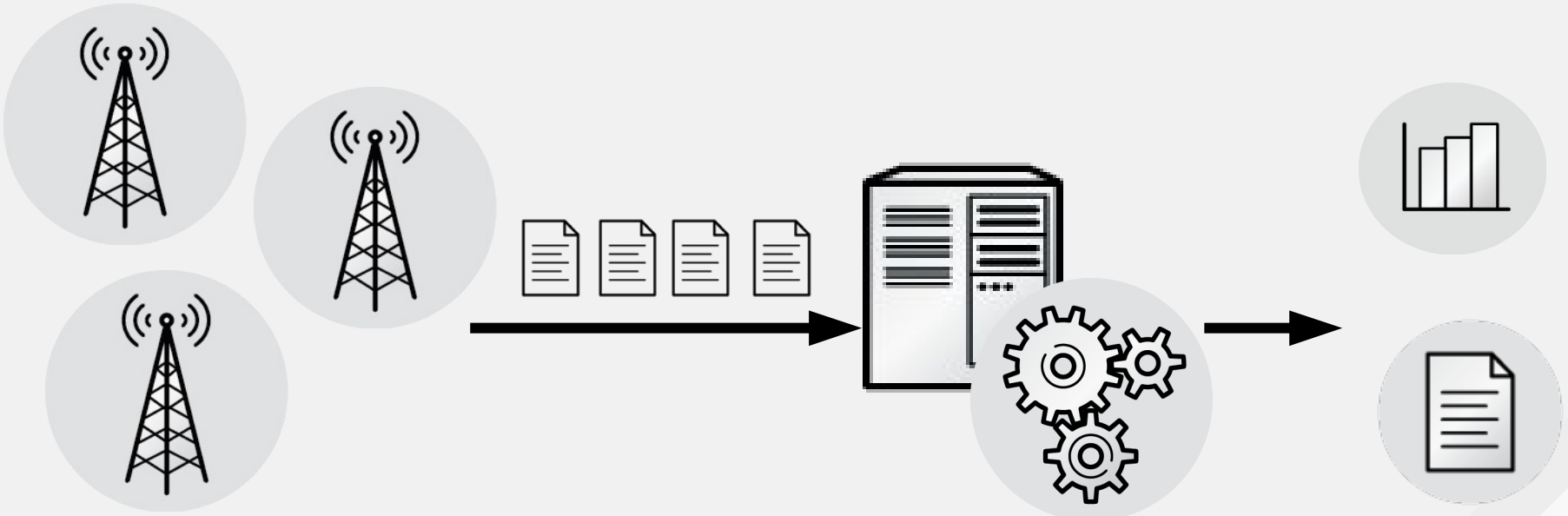
Scenario

Traditional way

Telecommunications company wants to batch-process CDRs (charging data records) coming from their antennas to generate billing and statistical information.



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Batch processing - Traditional way

- Not flexible
- Difficult to scale
  - Batch windows are never big enough
- Big & expensive hardware/software

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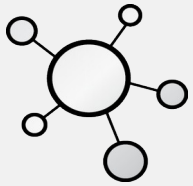
Batch processing - DataGrid way

Distributed execution



Highly and dynamically scalable (vertical and horizontal)

Runs on commodity (cheap) hardware

Highly performant (in-memory, parallel)

Fault tolerant

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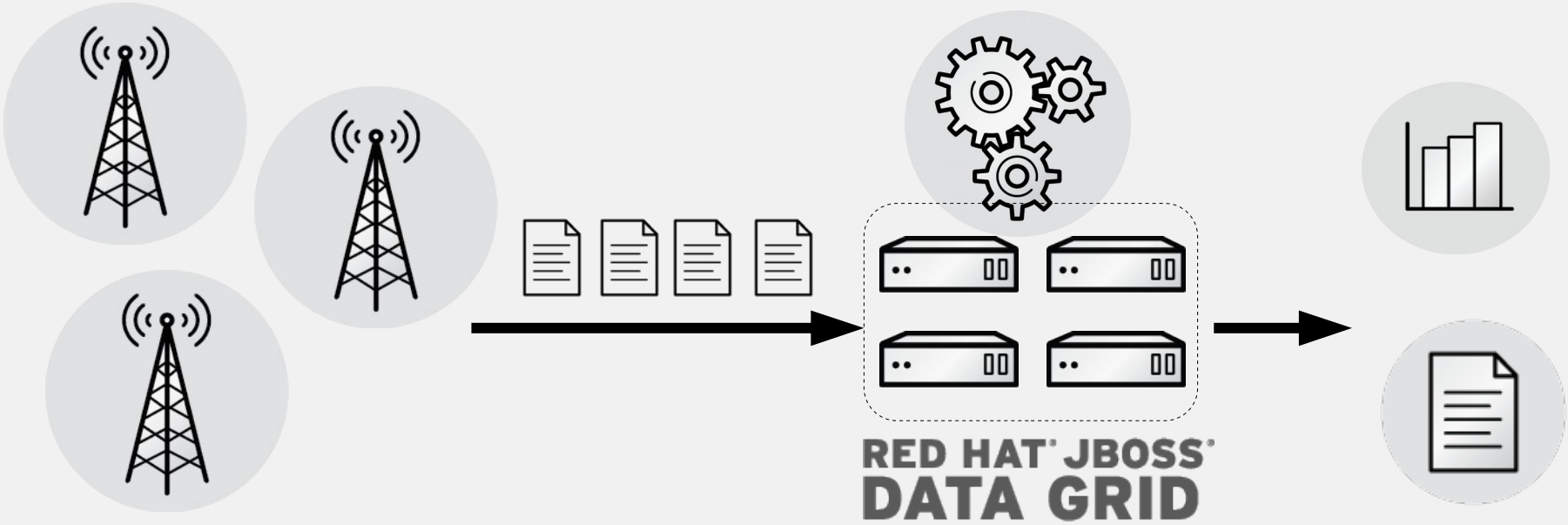
Scenario

DataGrid way



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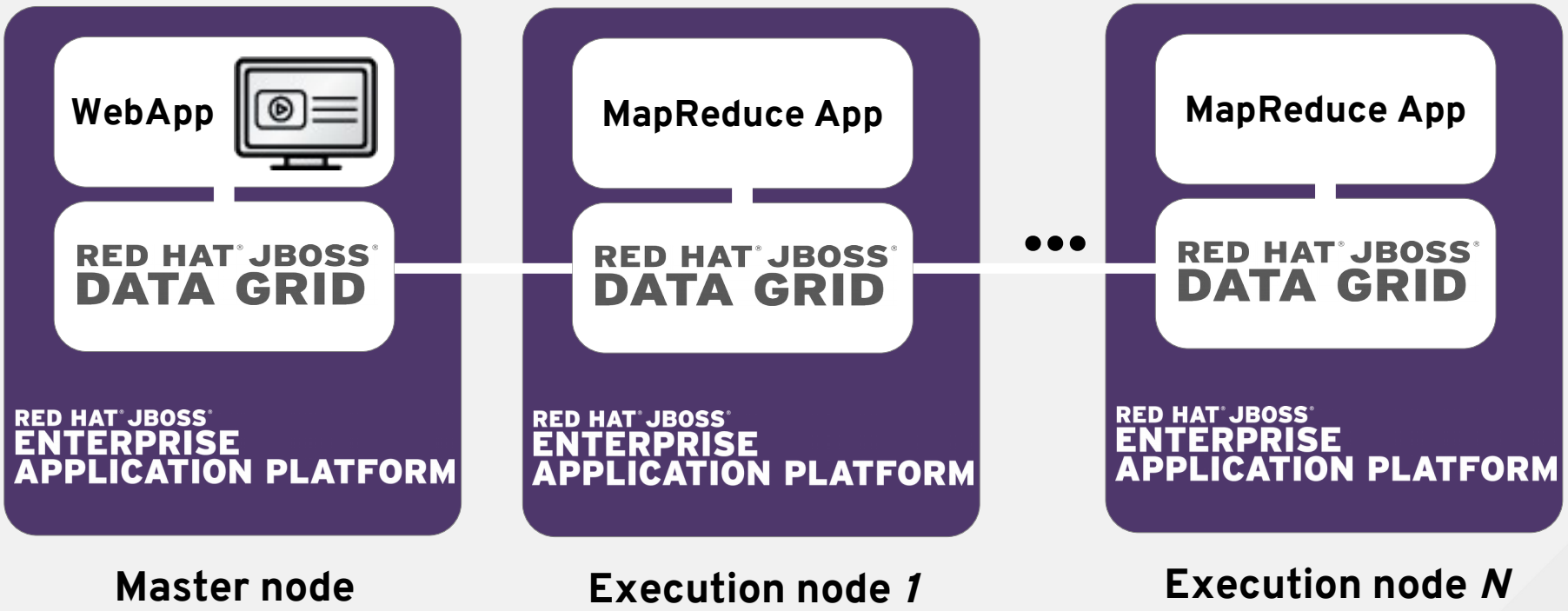
Demo Architecture



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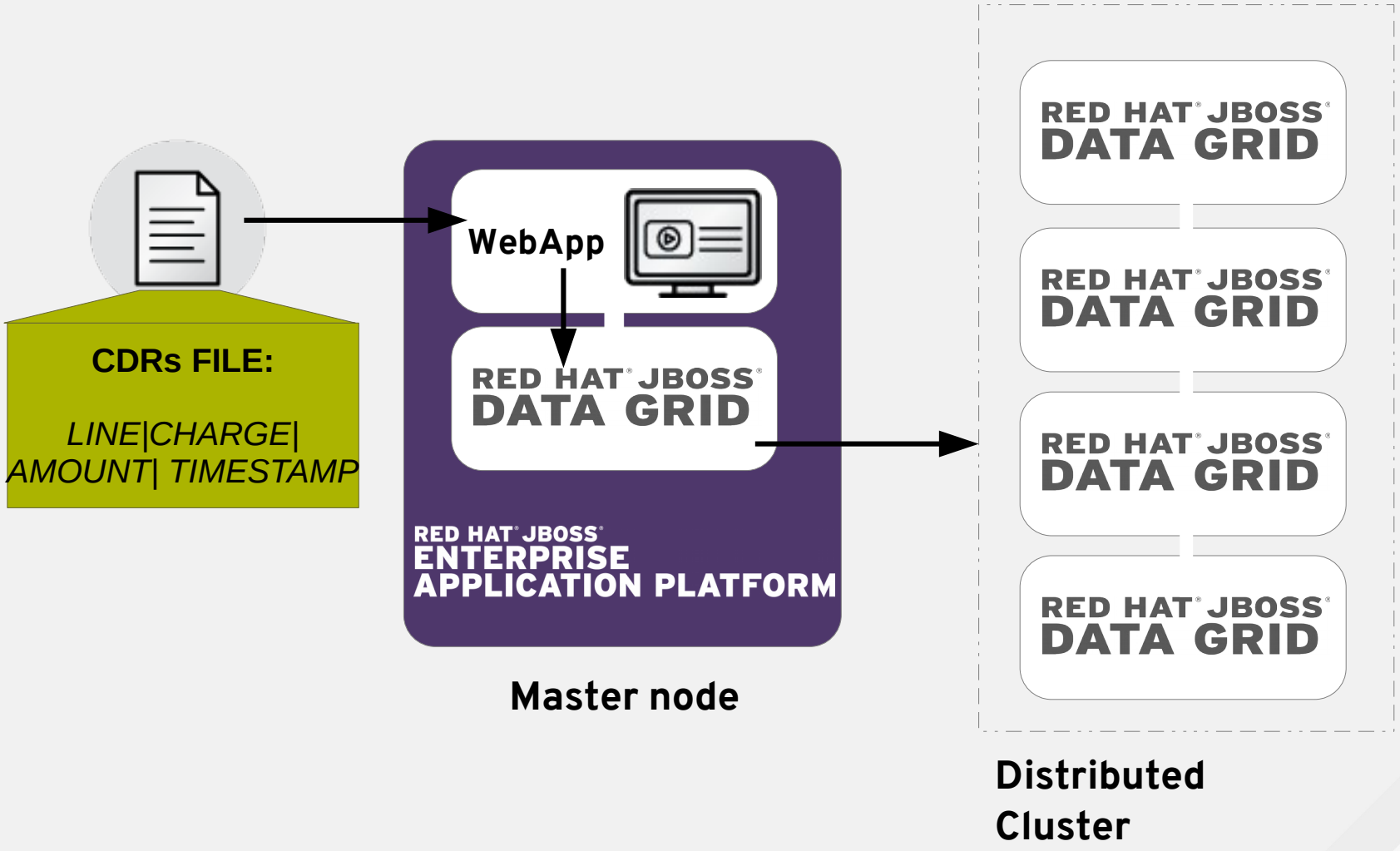
Demo Architecture (Step 1)



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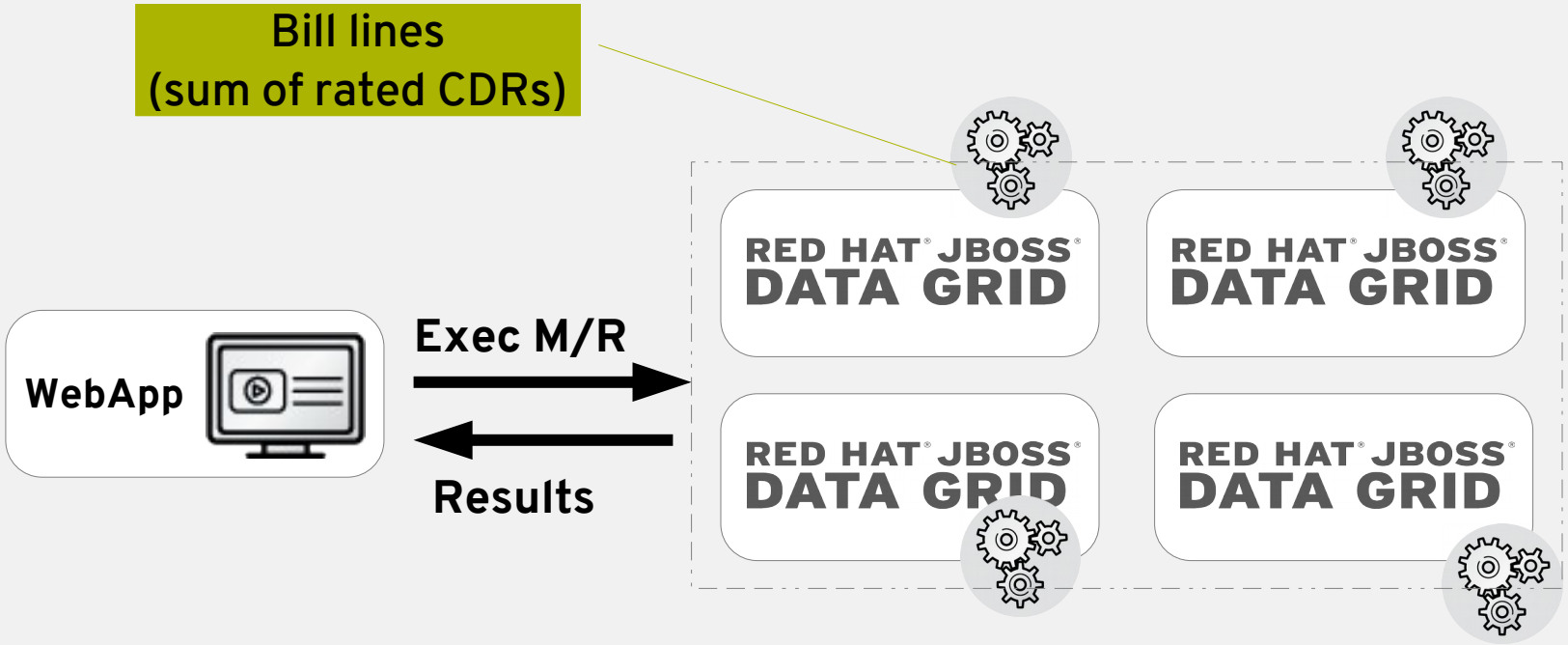
Demo Architecture (Step 2)



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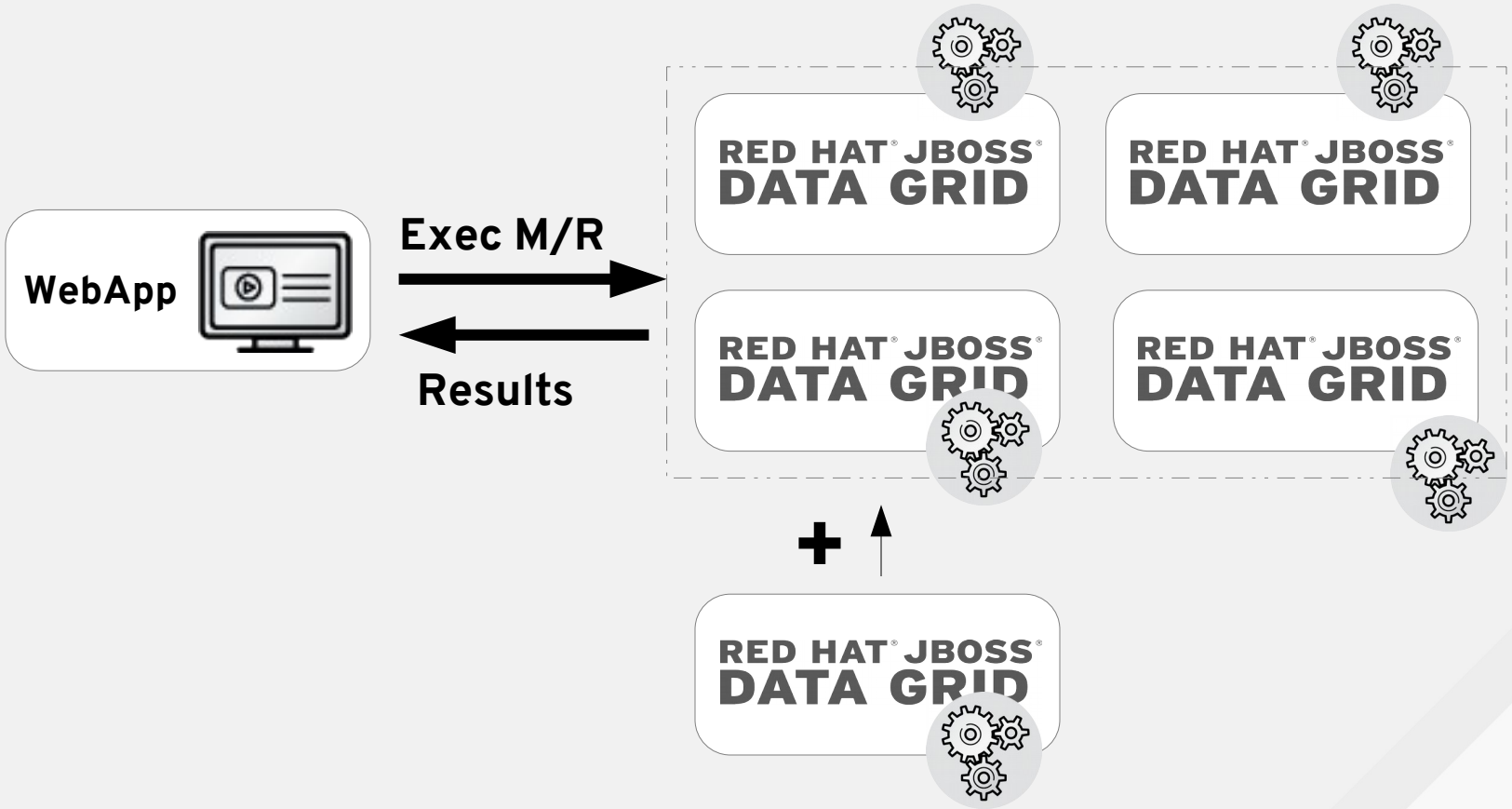
Demo Architecture (Step 3)



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Demo Instructions

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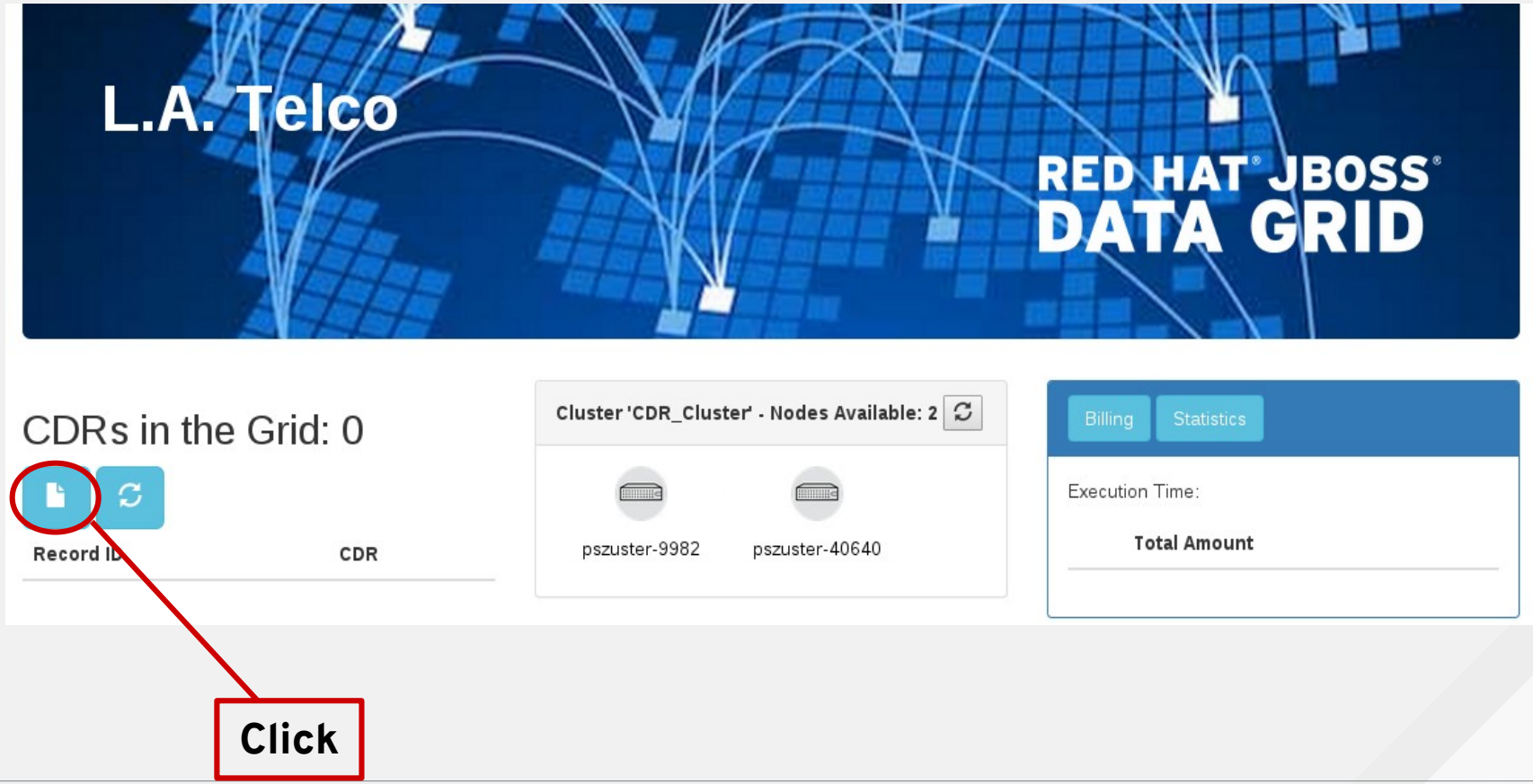
1) Load CDRs into the grid



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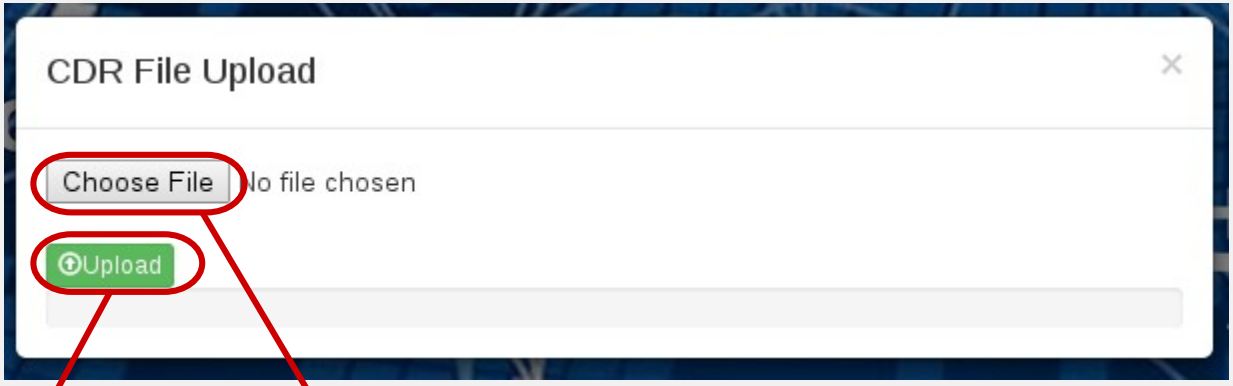
1) Load CDRs into the grid



Click and select CDRs file

Upload file and when done, close the window

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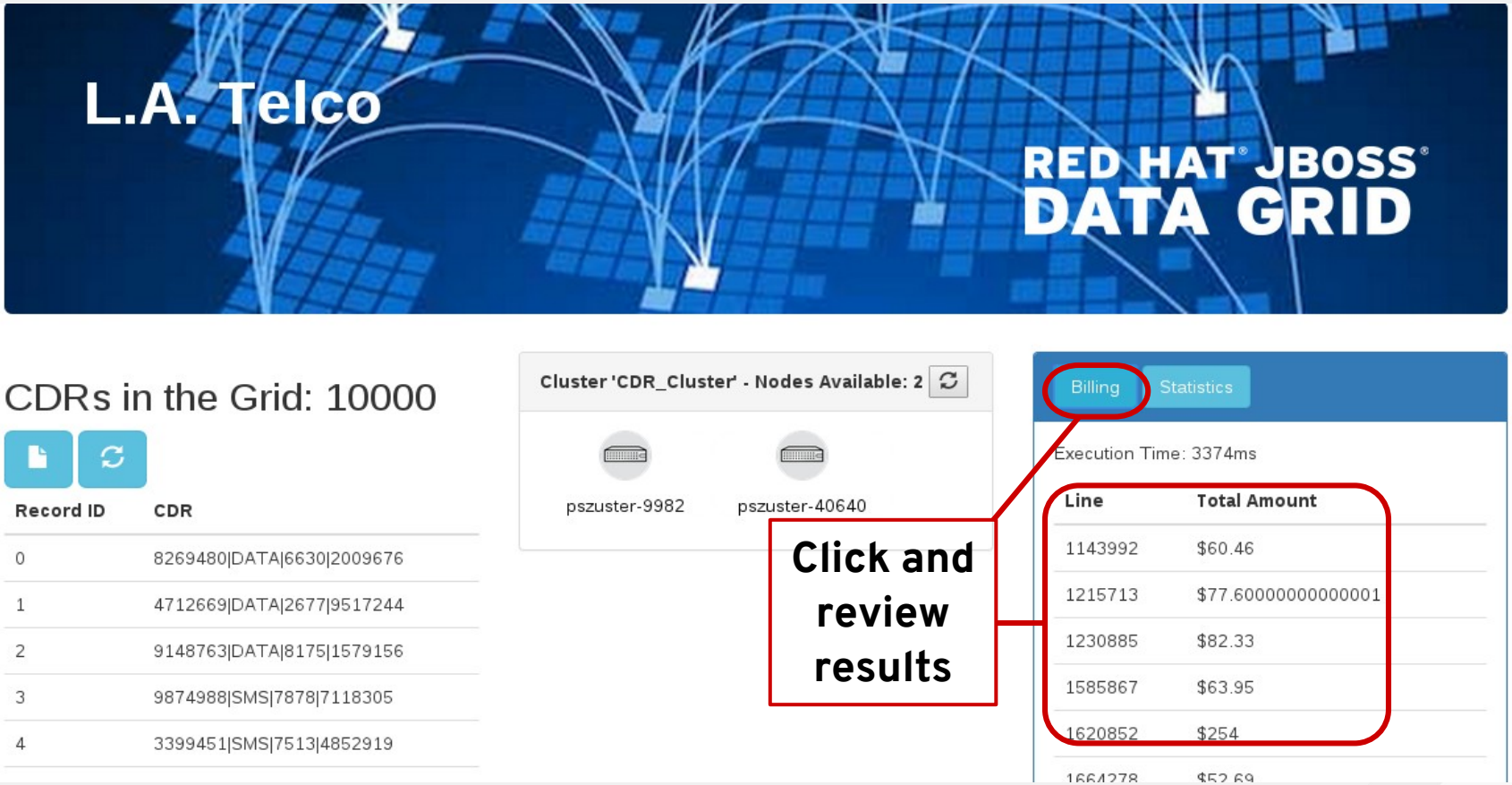
2) Run M/R Job



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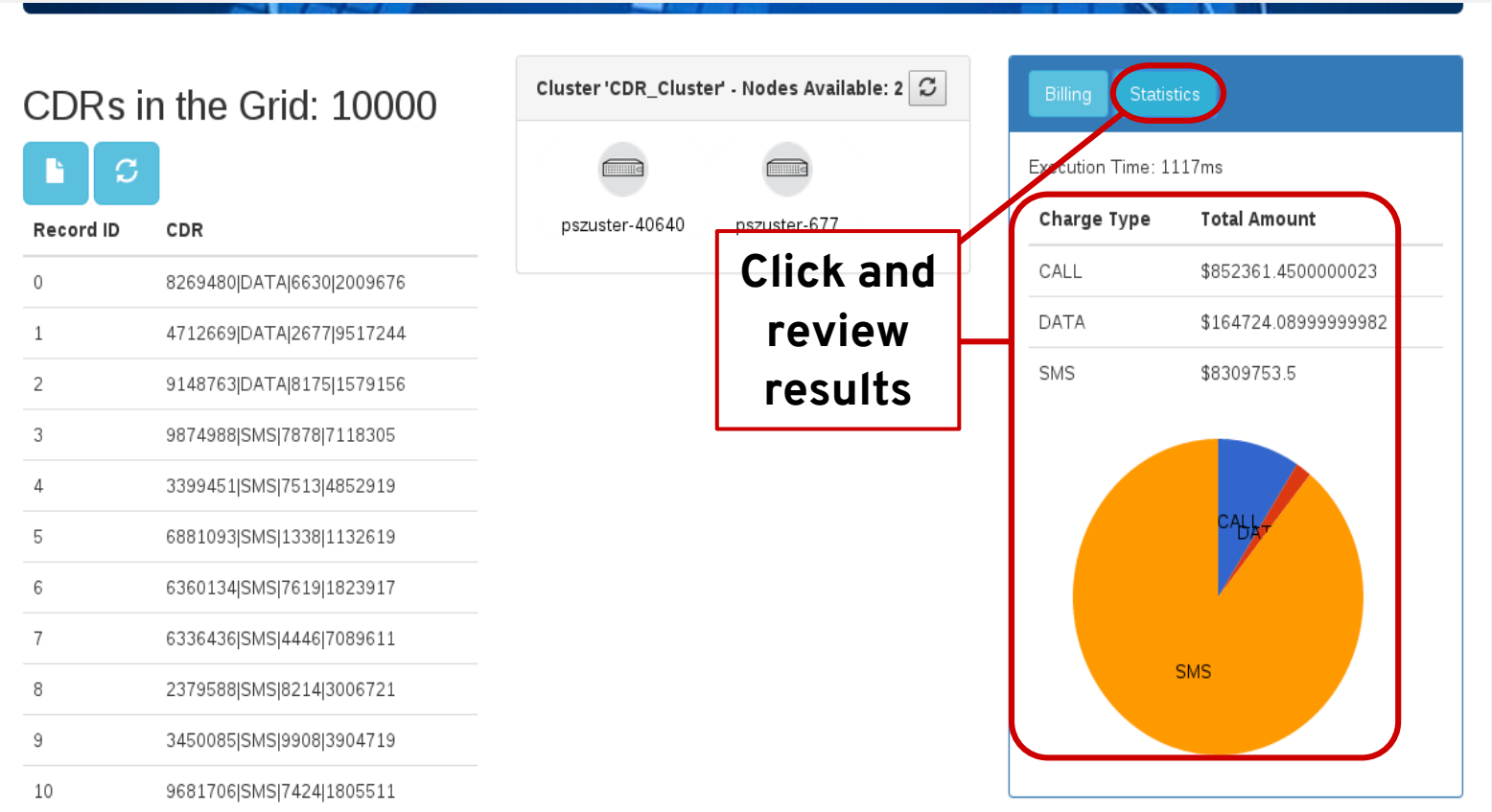
3) Run another M/R Job



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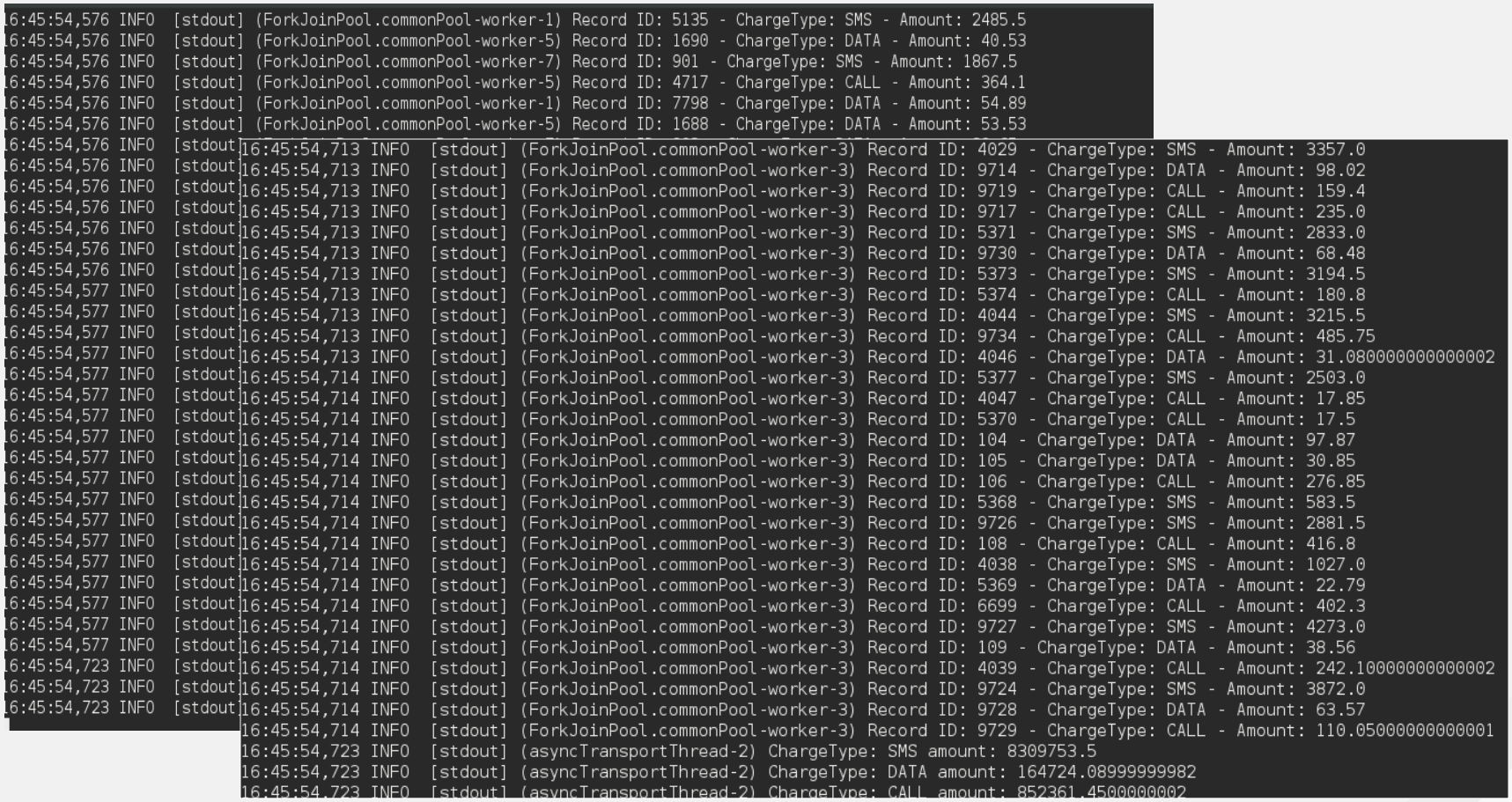
4) Review server logs



Make sure they were both working!

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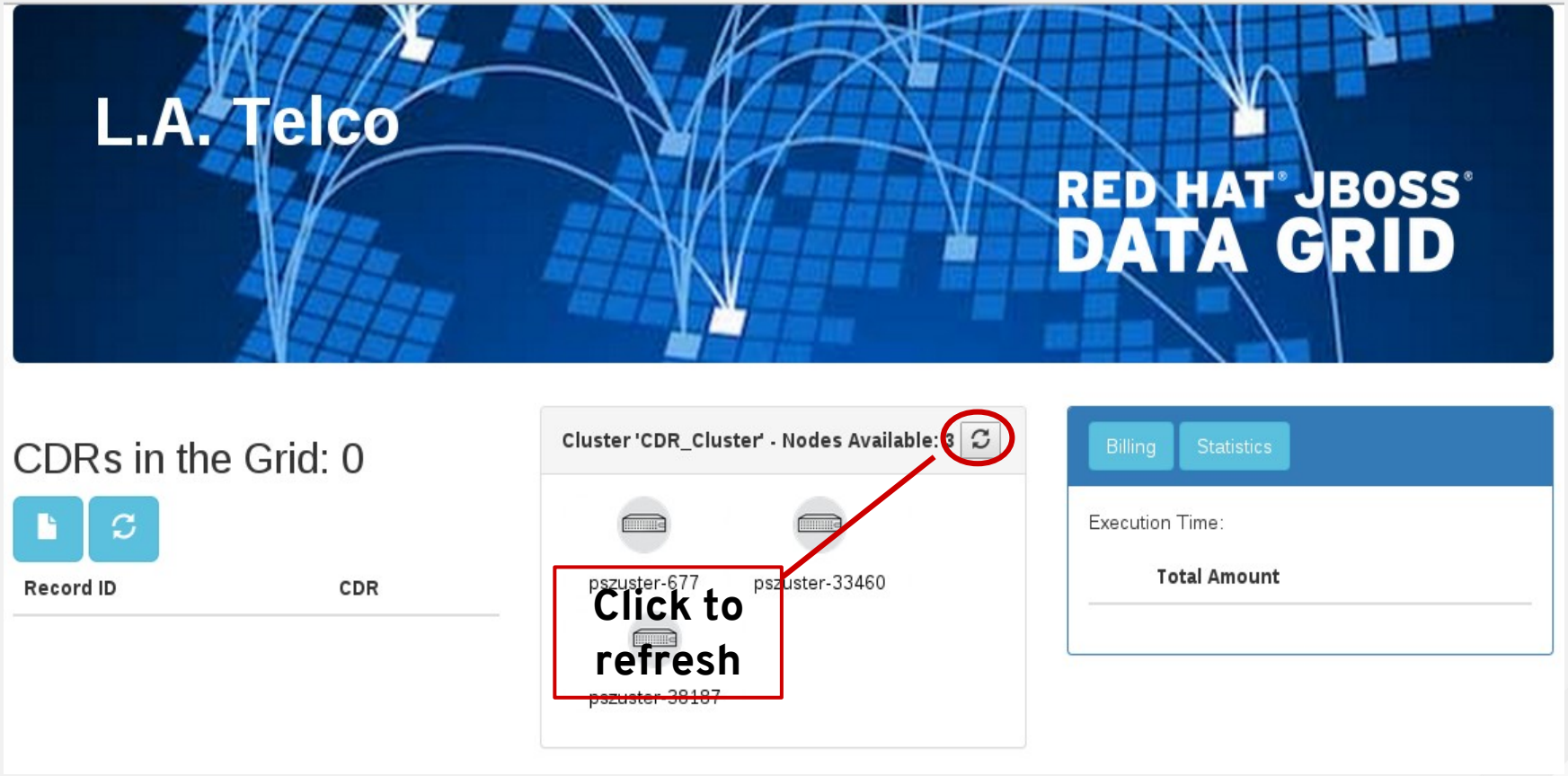
5) Add a new node



Run M/R jobs again

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