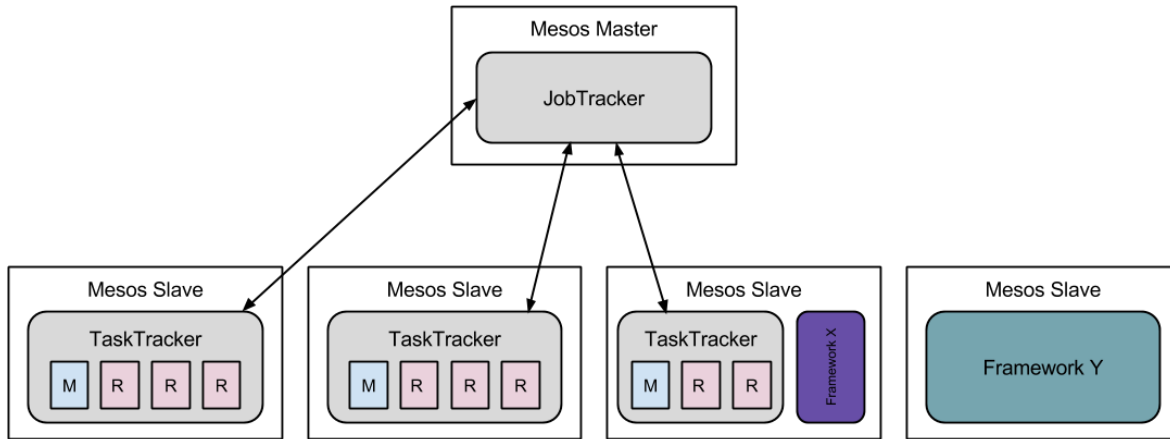


Chapter 2: Running Hadoop on Mesos



Chapter 3: Running Spark on Mesos

localhost:4040/stages/

Spark Stages Storage Environment Executors Spark shell application UI

Spark Stages

Total Duration: 6.2 m
Scheduling Mode: FIFO
Active Stages: 0
Completed Stages: 8
Failed Stages: 1

Active Stages (0)

Stage Id	Description	Submitted	Duration	Tasks: Succeeded/Total	Shuffle Read	Shuffle Write
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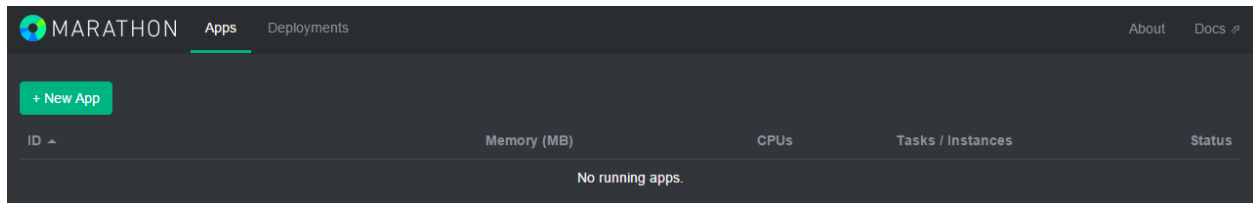
Completed Stages (8)

Stage Id	Description	Submitted	Duration	Tasks: Succeeded/Total	Shuffle Read	Shuffle Write
8	collect at <console>:15	2014/02/09 16:35:01	15 ms	1/1		
9	reduceByKey at <console>:15	2014/02/09 16:35:01	43 ms	1/1		155.0 B
6	collect at <console>:15	2014/02/09 16:31:56	13 ms	1/1		
7	reduceByKey at <console>:15	2014/02/09 16:31:56	25 ms	1/1		155.0 B
4	collect at <console>:15	2014/02/09 16:31:41	13 ms	1/1		
5	reduceByKey at <console>:15	2014/02/09 16:31:41	33 ms	1/1		
2	collect at <console>:15	2014/02/09 16:30:21	65 ms	1/1		
3	reduceByKey at <console>:15	2014/02/09 16:30:20	142 ms	1/1		647.0 B

Failed Stages (1)

Stage Id	Description	Submitted	Duration	Tasks: Succeeded/Total	Shuffle Read	Shuffle Write
1	reduceByKey at <console>:15	2014/02/09 16:29:38	100 ms	0/1 (1 failed)		

Chapter 5: Running Services on Mesos



The screenshot shows the 'New Application' form in the Marathon web interface. The form is titled 'New Application' and has a close button. It contains several input fields for configuring a new application:

- ID:** A text input field containing 'netcat'.
- CPUs:** A text input field containing '0.1'.
- Memory (MB):** A text input field containing '16'.
- Disk Space (MB):** A text input field containing '0'.
- Instances:** A text input field containing '1'.
- Optional Settings:**
 - Command:** A text area containing the command: `{ echo -ne "HTTP/1.0 200 OK\r\nContent-Length: 12\r\n", echo "Hello World"; } | nc -l -p $PORT`.
 - Executor:** A text input field.
 - Ports:** A text input field containing '0'. Below it, a note says: 'Comma-separated list of numbers. 0's (zeros) assign random ports. (Default: one random port)'.
 - URIs:** A text input field. Below it, a note says: 'Comma-separated list of valid URIs.'
 - Constraints:** A text input field. Below it, a note says: 'Comma-separated list of valid constraints. Valid constraint format is "field:operator[:value]".'

At the bottom of the form, there are two buttons: '+ Create' and 'Cancel'.

Chapter 6: Understanding Mesos Internals

