1. abstraction:ContainerId

2. crash point:before read

3. bug type:data race

1. timing:crash

```
1   /*sytem version:hadoop-0.23.0
2   *org.apache.hadoop.yarn.server.resourcemanager.scheduler.Sched
    ulerApp.containerLaunchedOnNode#166
3   * need calling contex, two calleres
4   */
5    synchronized public void containerLaunchedOnNode(ContainerId
    containerId) {
6       // Inform the container
7       RMContainer rmContainer = //crash point
8           getRMContainer(containerId);
9       rmContainer.handle(
10          new RMContainerEvent(containerId,
11              RMContainerEventType.LAUNCHED));
12   }
```