

1. abstraction:NodeId
 2. crash point:before read
 3. bug type:data race
-
1. timing:crash

```
1  /*system version:hadoop-3.1.0
2  *
3  *org.apache.hadoop.yarn.server.resourcemanager.scheduler.capac
4  ity.CapacityScheduler.getSchedulerContainer#2545
5  *need calling contex, three callers
6  */
7  FiCaSchedulerNode node = getNode(nodeId);
8  if (null == node) {
9      return null;
10 }
```