

1. abstraction:HRegionInfo
2. crash point:before read
3. bug type:data race
4. timing:crash

```
1  /*system version:hbase-0.90.2
2  *
3  org.apache.hadoop.hbase.master.AssignmentManager#unassign#1941
4  * need calling contex, four caller
5  */
6  synchronized (this.regions) {
7      // Check if this region is currently assigned
8      if (!regions.containsKey(region)) { //regions is
9          field,infered from HRegion
10         LOG.debug("Attempted to unassign region " +
11             region.getRegionNameAsString() + " but it is not " +
12             "currently assigned anywhere");
13         return;
14     }
15 }
```