1. abstraction:ApplicationAttemptId

2. crash point:before read

3. bug type:data race

1. timing:crash

```
/*sytem version:hadoop-2.8.0
*
org.apache.hadoop.yarn.server.resourcemanager.ApplicationMaste
rService#allocate#524
* need calling contex, three caller
* crash only cause two allocate run, and this bug can be
probability  triggered
*/
/*
private final Map<ApplicationAttemptId, RMAppAttempt> attempts
      = new LinkedHashMap<ApplicationAttemptId, RMAppAttempt>
();
*/
// will access the attempts infered from ApplicationAttemptId
RMAppAttempt appAttempt = app.getRMAppAttempt(appAttemptId);//
```