1. abstraction:HServerInfo(node)

2. crash point:before read

3. bug type:data race

4. timing:crash

```
1  /* system-version:hbase-0.90.2
2   * crash
   point:org.apache.hadoop.hbase.master.AssignmentManager#addToServer
   s#1447
3   * need calling contex: two caller, only one cause
   bugs(waitForMeta)
4  */
5      private final NavigableMap<HServerInfo, List<HRegionInfo>>
   servers =
6      new TreeMap<HServerInfo, List<HRegionInfo>>();//servers
   inferred from HServerInfo
7      List<HRegionInfo> hris = servers.get(hsi);//crash point
8
```