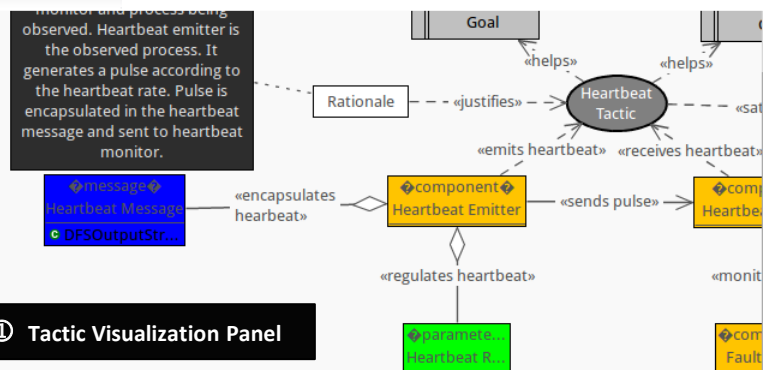




## Package Explorer

- hadoop-common-project
- hadoop-datajoin
- hadoop-dist
- hadoop-distcp
- hadoop-extras
- hadoop-gridmix
- hadoop-hdfs
  - src/main/java
  - src/main/resources
  - src/test/java
  - src/test/resources
- JRE System Library
- Maven Dependencies
- dev-support
- ivy
- lib
- src
- target
- CHANGES.txt
- heartbeat.tim
- LICENSE.txt
- NOTICE.txt
- pom.xml
- hadoop-hdfs-bkjourna
- hadoop-hdfs-https
- hadoop-hdfs-nfs
- hadoop-hdfs-project
- hadoop-main
- hadoop-mapreduce

## heartbeat.tim



## Problems @ Javadoc Declaration Progress Automatic Detection

## Automatic Detection Configuration

Scan Open Java Project:

hadoop-hdfs

Classification Threshold:

0.2



## TIM Management



/home/ahmed/Work/hadoop/common/hadoop-hdfs-project/hadoop-hdfs/heartbeat.tim

## ② Tactic Classifier

## DFSOutputStream.java

```
// get the packet's last byte's offset in the block
long getLastByteOffsetBlock() {
    return offsetInBlock + dataPos - dataStart;
}

/**
 * Check if this packet is a heart beat packet
 * @return true if the sequence number is HEART_BEAT_SEQNO
 */
private boolean isHeartbeatPacket() {
    return seqno == HEART_BEAT_SEQNO;
}

@Override
public String toString() {
    return "packet seqno:" + this.seqno +
        " offsetInBlock:" + this.offsetInBlock +
        " lastPacketInBlock:" + this.lastPacketInBlock +
```

## ④ Code Viewer

## Results

Classification Filter

All

## HeartBeat

- DFSConfigKeys.java (HeartBeat)
- HdfsConfiguration.java (HeartBeat)
- DatanodeInfo.java (HeartBeat)

## ③ Classified Code Snippets

## Accepted Results

Classification Filter

All

## HeartBeat

- DFSOutputStream.java (HeartBeat)