



链滴

jGit 针对单个文件比较这个文件最新的 commit

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原文链接: <https://ld246.com/article/1631719565621>

来源网站: [链滴](#)

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1. jGit针对单个文件比较这个文件最新的commit

path 为文件路径

```
private static List<DiffEntry> diff(String path) throws GitAPIException, IOException {
    try (Repository repository = RepositoryUtil.getRepository()) {
        try (Git git = new Git(repository)) {
            Iterable<RevCommit> commits = git.log()
                .addPath(path)
                .call();
            RevCommit latestCommit =
                StreamSupport.stream(commits.spliterator(), false)
                    .reduce((c1, c2) -> c1.getCommitTime() > c2.getCommitTime() ? c1 : c2)
                    .orElseThrow(NullPointerException::new);
            AbstractTreeIterator oldTreeParser = TreeParserUtil.parser(repository, latestCommit
name());
            return git.diff()
                .setOldTree(oldTreeParser)
                .setPathFilter(PathFilter.create(path))
                .call();
        }
    }
}
```

2. 如果你想对git diff的结果进行输出

有两种办法：

2.1 对结果DiffEntry进行输出

```
public static void printDiff(DiffEntry entries){
    DiffFormatter diffFormatter = new DiffFormatter(System.out);
    try {
        diffFormatter.setRepository(RepositoryUtil.getRepository());
        diffFormatter.format(entries);
    } catch (IOException e) {
        e.printStackTrace();
    } finally {
        diffFormatter.close();
    }
}
```

2.2 在进行git.diff()方法调用的时候再调用.setOutputStream(System.out)

就像这样，当然传入的参数不止可以是System.out,只要是OutputStream就行

```
return git.diff().setOutputStream(System.out)
    .setOldTree(oldTreeParser)
    .setPathFilter(PathFilter.create(path))
    .call();
```