

Tomcat 日志文件介绍

1、tomcat 有五类日志：catalina、localhost、manager、admin、host-manager

```
[root@localhost logs]# ll
total 44
-rw-r-----. 1 root root 6410 Apr 26 18:09 catalina.2023-04-26.log
-rw-r-----. 1 root root 6562 Apr 27 17:37 catalina.2023-04-27.log
-rw-r-----. 1 root root 12972 Apr 27 17:37 catalina.out
-rw-r-----. 1 root root 0 Apr 26 18:07 host-manager.2023-04-26.log
-rw-r-----. 1 root root 0 Apr 27 15:37 host-manager.2023-04-27.log
-rw-r-----. 1 root root 735 Apr 26 18:09 localhost.2023-04-26.log
-rw-r-----. 1 root root 735 Apr 27 17:37 localhost.2023-04-27.log
-rw-r-----. 1 root root 1476 Apr 26 18:08 localhost_access_log.2023-04-26.txt
-rw-r-----. 1 root root 0 Apr 27 15:37 localhost_access_log.2023-04-27.txt
-rw-r-----. 1 root root 0 Apr 26 18:07 manager.2023-04-26.log
-rw-r-----. 1 root root 0 Apr 27 15:37 manager.2023-04-27.log
[root@localhost logs]# pwd
/usr/local/Tomcat8.5/logs
[root@localhost logs]#
```

2、catalina.out

catalina.out 即标准输出和标准出错，所有输出到这两个位置的都会进入 catalina.out，这里包含 tomcat 运行自己输出的日志以及应用里向 console 输出的日志。默认这个日志文件是不会进行自动切割的，我们需要借助其他工具进行切割（注意：catalina.out 文件如果过大会影响）

Tomcat 下默认 manager 应用日志，文件名 `manager. 日期. log`，控制台输出的日志，Linux 下默认重定向到 catalina.out。

3、catalina.日期.log

- (1)、主要是记录 tomcat 启动时候的信息；
- (2)、启动的 JVM 参数以及操作系统等日志信息；
- (3)、没有使用 log4j 等日志机制，系统的错误信息与打印语句也在这个日志文件中记录；
- (4)、linux 下所有的日志都在 catalina.out 中。

4、catalina.YYYY-MM-DD.log

catalina. {yyyy-MM-dd}.log 是 tomcat 自己运行的一些日志，这些日志还会输出到 catalina.out，但是应用向 console 输出的日志不会输出到 catalina. {yyyy-MM-dd}.log，它是 tomcat 的启动和暂停时的运行日志，注意，它和 catalina.out 是里面的内容是不一样的。

```
cat catalina.2023-05-06.log
06-May-2023 09:16:39.929 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server version name: Apache Tomcat/9.0.30
06-May-2023 09:16:39.935 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server built: Dec 7 2019 16:42:04 UTC
06-May-2023 09:16:39.935 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server version number: 9.0.30.0
06-May-2023 09:16:39.935 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log OS Name: Linux
06-May-2023 09:16:39.935 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log OS Version: 3.10.0-957.el7.x86_64
06-May-2023 09:16:39.935 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Architecture: amd64
06-May-2023 09:16:39.935 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Java Home: /usr/local/openjdk-8/jre
06-May-2023 09:16:39.936 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log JVM Version: 1.8.0_242-b08
06-May-2023 09:16:39.936 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log JVM Vendor: Oracle Corporation
06-May-2023 09:16:39.936 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log CATALINA_BASE: /usr/local/tomcat
06-May-2023 09:16:39.936 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log CATALINA_HOME: /usr/local/tomcat
06-May-2023 09:16:39.940 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command l
```

5、localhost.YYYY-MM-DD.log

localhost.{yyyy-MM-dd}.log 主要是应用初始化(listener, filter, servlet)未处理的异常最后被 tomcat 捕获而输出的日志,它也是包含 tomcat 的启动和暂停时的运行日志,但它没有 catalina.2018-09-19.log 日志全。它只是记录了部分日志。

```
cat localhost.2023-05-06.log
06-May-2023 09:16:40.669 INFO [main] org.apache.catalina.core.ApplicationContext.log ContextListener
: contextInitialized()
06-May-2023 09:16:40.669 INFO [main] org.apache.catalina.core.ApplicationContext.log SessionListener
: contextInitialized()
06-May-2023 09:16:40.670 INFO [main] org.apache.catalina.core.ApplicationContext.log ContextListener
: attributeAdded('StockTicker', 'async.Stockticker@198b6731')
06-May-2023 09:39:55.547 SEVERE [ajp-nio-8009-exec-1] org.apache.catalina.core.StandardWrapperValve.
invoke Servlet.service() for servlet [default] in context with path [] threw exception
    java.io.FileNotFoundException: The requested resource [/] is not available
        at org.apache.catalina.servlets.DefaultServlet.serveResource(DefaultServlet.java:845
    )
        at org.apache.catalina.servlets.DefaultServlet.doGet(DefaultServlet.java:497)
        at javax.servlet.http.HttpServlet.service(HttpServlet.java:634)
        at org.apache.catalina.servlets.DefaultServlet.service(DefaultServlet.java:477)
        at javax.servlet.http.HttpServlet.service(HttpServlet.java:741)
        at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilter
```

6、localhost_access_log.YYYY-MM-DD.txt

localhost_access_log.2018-09-19.txt: 这个是访问 tomcat 的日志, 请求时间和资源, 状态码都有记录。

```
cat localhost_access_log.2023-05-06.txt
192.168.3.188 - - [06/May/2023:09:39:55 +0000] "GET /asdf HTTP/1.1" 500 1382
192.168.3.188 - - [06/May/2023:09:43:19 +0000] "GET /asdf HTTP/1.1" 500 1382
192.168.3.188 - - [06/May/2023:09:44:29 +0000] "GET /asdf HTTP/1.1" 200 1227
192.168.3.188 - - [06/May/2023:09:45:11 +0000] "GET /asdf HTTP/1.1" 200 1227
192.168.3.188 - - [06/May/2023:10:05:39 +0000] "GET /asdf HTTP/1.1" 500 1382
192.168.3.191 - - [06/May/2023:10:07:12 +0000] "GET / HTTP/1.1" 200 11216
192.168.3.191 - - [06/May/2023:10:07:12 +0000] "GET /tomcat.css HTTP/1.1" 200 5581
192.168.3.191 - - [06/May/2023:10:07:12 +0000] "GET /tomcat.png HTTP/1.1" 200 5103
192.168.3.191 - - [06/May/2023:10:07:12 +0000] "GET /favicon.ico HTTP/1.1" 200 21630
192.168.3.191 - - [06/May/2023:10:07:12 +0000] "GET /bg-nav.png HTTP/1.1" 200 1401
192.168.3.191 - - [06/May/2023:10:07:12 +0000] "GET /bg-middle.png HTTP/1.1" 200 1918
192.168.3.191 - - [06/May/2023:10:07:12 +0000] "GET /asf-logo-wide.svg HTTP/1.1" 200 27235
192.168.3.191 - - [06/May/2023:10:07:12 +0000] "GET /bg-button.png HTTP/1.1" 200 713
192.168.3.191 - - [06/May/2023:10:07:12 +0000] "GET /bg-upper.png HTTP/1.1" 200 3103
192.168.3.191 - - [06/May/2023:10:07:14 +0000] "GET /manager/html HTTP/1.1" 403 3446
192.168.3.191 - - [06/May/2023:10:08:52 +0000] "GET / HTTP/1.1" 200 11216
192.168.3.191 - - [06/May/2023:10:08:53 +0000] "GET /tomcat.css HTTP/1.1" 200 5581
192.168.3.191 - - [06/May/2023:10:08:53 +0000] "GET /tomcat.png HTTP/1.1" 200 5103
192.168.3.191 - - [06/May/2023:10:08:53 +0000] "GET /asf-logo-wide.svg HTTP/1.1" 200 27235
192.168.3.191 - - [06/May/2023:10:08:53 +0000] "GET /bg-nav.png HTTP/1.1" 200 1401
192.168.3.191 - - [06/May/2023:10:08:53 +0000] "GET /bg-upper.png HTTP/1.1" 200 3103
192.168.3.191 - - [06/May/2023:10:08:53 +0000] "GET /bg-button.png HTTP/1.1" 200 713
192.168.3.191 - - [06/May/2023:10:08:53 +0000] "GET /bg-middle.png HTTP/1.1" 200 1918
192.168.3.188 - - [06/May/2023:11:13:15 +0000] "GET /asdf.jsp HTTP/1.1" 200 6
```

7、host-manager.YYYY-MM-DD.log

host-manager.2018-09-19.log: 这个估计是放 tomcat 的自带的 manager 项目的日志信息的，未看到有什么重要的日志信息。

8、manager.YYYY-MM-DD.log

manager.2018-09-19.log : 这个是 tomcat manager 项目专有的日志文件。