

# Information about installation in restricted environments

## Log Files

Teamwork Cloud runs under the Teamwork Cloud user and by default stores log files of Teamwork Cloud and Authserver under this user's profile (*/home/twcloud*). There are 2 configuration files that control the location of these log files:

- [/opt/local/TeamworkCloud/configuration/logback.xml](#) - controls the location of the Teamwork Cloud log files.
- [/opt/local/TeamworkCloud/WebAppPlatform/shared/conf/logback.xml](#) - controls the location of the WebApp services log files.

In the *logback.xml* this file, there are settings for log files that must be edited.

### **/opt/local/TeamworkCloud/configuration/logback.xml**

```
<appender name="SERVER-FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">
  <file>${user.home}/.twcloud/2022x/server.log</file>
  <rollingPolicy class="ch.qos.logback.core.rolling.SizeAndTimeBasedRollingPolicy">
    <fileNamePattern>${user.home}/.twcloud/2022x/server.%d{yyyy-MM-dd}.%i.log.zip</fileNamePattern>
    <maxFileSize>50MB</maxFileSize>
    <totalSizeCap>1024MB</totalSizeCap>
  </rollingPolicy>
  <encoder>
    <pattern>%-5.5level %date{YYYY-MM-dd HH:mm:ss.SSSXXX} %message [%logger{200}, %thread{10}]\%n</pattern>
  </encoder>
</appender>

<appender name="SERVER-STARTUP-CONFIG-FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">
  <file>${user.home}/.twcloud/2022x/startup-config.log</file>
  <rollingPolicy class="ch.qos.logback.core.rolling.SizeAndTimeBasedRollingPolicy">
    <fileNamePattern>${user.home}/.twcloud/2022x/startup-config.%d{yyyy-MM-dd}.%i.log.zip<
  </fileNamePattern>
    <maxFileSize>50MB</maxFileSize>
    <totalSizeCap>1024MB</totalSizeCap>
  </rollingPolicy>
  <encoder>
    <pattern>%-5.5level %date{YYYY-MM-dd HH:mm:ss.SSSXXX} %message %n</pattern>
  </encoder>
</appender>

<appender name="SECURITY-FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">
  <file>${user.home}/.twcloud/2022x/security.log</file>
  <rollingPolicy class="ch.qos.logback.core.rolling.TimeBasedRollingPolicy">
    <!-- daily rollover -->
    <fileNamePattern>${user.home}/.twcloud/2022x/security.%d{yyyy-MM-dd}.log</fileNamePattern>
  </rollingPolicy>
  <encoder>
    <pattern>%-5.5level %date{YYYY-MM-dd HH:mm:ss.SSSXXX} %message [%logger{200}, %thread{10}]\%n</pattern>
  </encoder>
</appender>
```

In each section, there are 2 settings that must be modified: **file** and **fileNamePattern**. The **file** setting controls the absolute path to the latest log file. The **fileNamePattern** setting controls the naming convention for the log file archiving. In most cases, it will suffice to replace the **\${user.home}** token with a different location, but you must ensure that the Teamwork Cloud user has ownership of the target directories.

The *logback-spring.xml* file contains one section which must be modified.

### **/opt/local/TeamworkCloud/WebAppPlatform/shared/conf/logback.xml**

```
<appender name="WEB-APP-FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">
  <append>true</append>
  <file>${WEBAPP_LOG_BASE}/logs/webappplatform/web-app.log</file>
  <rollingPolicy class="ch.qos.logback.core.rolling.FixedWindowRollingPolicy">
    <fileNamePattern>${WEBAPP_LOG_BASE}/logs/webappplatform/web-app.%i.log.zip</fileNamePattern>
    <minIndex>1</minIndex>
    <maxIndex>10</maxIndex>
  </rollingPolicy>
```

```

<triggeringPolicy class="ch.qos.logback.core.rolling.SizeBasedTriggeringPolicy">
  <maxFileSize>100MB</maxFileSize>
</triggeringPolicy>
<encoder class="ch.qos.logback.classic.encoder.PatternLayoutEncoder">
  <pattern>%date [%thread] %-5level %logger - %msg%n</pattern>
</encoder>
</appender>

<appender name="TWC_RESPONSE_FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">
  <append>true</append>
  <file>${WEBAPP_LOG_BASE}/logs/webappplatform/twc_rest.log</file>
  <rollingPolicy class="ch.qos.logback.core.rolling.FixedWindowRollingPolicy">
    <fileNamePattern>${WEBAPP_LOG_BASE}/logs/webappplatform/twc_rest.%d{yyyy-MM-dd}.%i.log</fileNamePattern>
    <minIndex>1</minIndex>
    <maxIndex>10</maxIndex>
  </rollingPolicy>
  <triggeringPolicy class="ch.qos.logback.core.rolling.SizeBasedTriggeringPolicy">
    <maxFileSize>100MB</maxFileSize>
  </triggeringPolicy>
  <encoder class="ch.qos.logback.classic.encoder.PatternLayoutEncoder">
    <pattern>%date [%thread] %-5level %logger - %msg%n</pattern>
  </encoder>
</appender>

<appender name="ADMIN-CONSOLE-FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">
  <file>${WEBAPP_LOG_BASE}/logs/webappplatform/admin-console.log</file>
  <rollingPolicy class="ch.qos.logback.core.rolling.FixedWindowRollingPolicy">
    <fileNamePattern>${WEBAPP_LOG_BASE}/logs/webappplatform/admin-console.%i.log.zip</fileNamePattern>
    <minIndex>1</minIndex>
    <maxIndex>10</maxIndex>
  </rollingPolicy>
  <triggeringPolicy class="ch.qos.logback.core.rolling.SizeBasedTriggeringPolicy">
    <maxFileSize>100MB</maxFileSize>
  </triggeringPolicy>
  <encoder class="ch.qos.logback.classic.encoder.PatternLayoutEncoder">
    <pattern>%date [%thread] %-5level %logger - %msg%n</pattern>
  </encoder>
</appender>

<appender name="COLLABORATOR-FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">
  <append>true</append>
  <file>${WEBAPP_LOG_BASE}/logs/webappplatform/collaborator.log</file>
  <rollingPolicy class="ch.qos.logback.core.rolling.FixedWindowRollingPolicy">
    <fileNamePattern>${WEBAPP_LOG_BASE}/logs/webappplatform/collaborator.%i.log.zip</fileNamePattern>
    <minIndex>1</minIndex>
    <maxIndex>10</maxIndex>
  </rollingPolicy>
  <triggeringPolicy class="ch.qos.logback.core.rolling.SizeBasedTriggeringPolicy">
    <maxFileSize>100MB</maxFileSize>
  </triggeringPolicy>
  <encoder class="ch.qos.logback.classic.encoder.PatternLayoutEncoder">
    <pattern>%date [%thread] %-5level %logger - %msg%n</pattern>
  </encoder>
</appender>

<appender name="DOCUMENT-EXPORTER-FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">
  <file>${WEBAPP_LOG_BASE}/logs/webappplatform/document-exporter.log</file>
  <rollingPolicy class="ch.qos.logback.core.rolling.FixedWindowRollingPolicy">
    <fileNamePattern>${WEBAPP_LOG_BASE}/logs/webappplatform/document-exporter.%i.log.zip</fileNamePattern>
    <minIndex>1</minIndex>
    <maxIndex>10</maxIndex>
  </rollingPolicy>
  <triggeringPolicy class="ch.qos.logback.core.rolling.SizeBasedTriggeringPolicy">
    <maxFileSize>100MB</maxFileSize>
  </triggeringPolicy>
  <encoder class="ch.qos.logback.classic.encoder.PatternLayoutEncoder">
    <pattern>%date [%thread] %-5level %logger - %msg%n</pattern>
  </encoder>
</appender>

<appender name="RESOURCES-FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">

```

```

<append>true</append>
<file>${WEBAPP_LOG_BASE}/logs/webappplatform/resources.log</file>
<rollingPolicy class="ch.qos.logback.core.rolling.FixedWindowRollingPolicy">
  <fileNamePattern>${WEBAPP_LOG_BASE}/logs/webappplatform/resources.%i.log.zip</fileNamePattern>
  <minIndex>1</minIndex>
  <maxIndex>10</maxIndex>
</rollingPolicy>
<triggeringPolicy class="ch.qos.logback.core.rolling.SizeBasedTriggeringPolicy">
  <maxFileSize>100MB</maxFileSize>
</triggeringPolicy>
<encoder class="ch.qos.logback.classic.encoder.PatternLayoutEncoder">
  <pattern>%date [%thread] %-5level %logger - %msg%n</pattern>
</encoder>
</appender>

<appender name="RESOURCE-USAGE-MAP-FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">
  <file>${WEBAPP_LOG_BASE}/logs/webappplatform/resource-usage-map.log</file>
  <rollingPolicy class="ch.qos.logback.core.rolling.FixedWindowRollingPolicy">
    <fileNamePattern>${WEBAPP_LOG_BASE}/logs/webappplatform/resource-usage-map.%i.log.zip</fileNamePattern>
    <minIndex>1</minIndex>
    <maxIndex>10</maxIndex>
  </rollingPolicy>
  <triggeringPolicy class="ch.qos.logback.core.rolling.SizeBasedTriggeringPolicy">
    <maxFileSize>100MB</maxFileSize>
  </triggeringPolicy>
  <encoder class="ch.qos.logback.classic.encoder.PatternLayoutEncoder">
    <pattern>%date [%thread] %-5level %logger - %msg%n</pattern>
  </encoder>
</appender>

<appender name="REPORTS-FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">
  <file>${WEBAPP_LOG_BASE}/logs/webappplatform/reports.log</file>
  <rollingPolicy class="ch.qos.logback.core.rolling.FixedWindowRollingPolicy">
    <fileNamePattern>${WEBAPP_LOG_BASE}/logs/webappplatform/reports.%i.log.zip</fileNamePattern>
    <minIndex>1</minIndex>
    <maxIndex>10</maxIndex>
  </rollingPolicy>
  <triggeringPolicy class="ch.qos.logback.core.rolling.SizeBasedTriggeringPolicy">
    <maxFileSize>100MB</maxFileSize>
  </triggeringPolicy>
  <encoder class="ch.qos.logback.classic.encoder.PatternLayoutEncoder">
    <pattern>%date [%thread] %-5level %logger - %msg%n</pattern>
  </encoder>
</appender>

<appender name="SIMULATION-FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">
  <append>true</append>
  <file>${WEBAPP_LOG_BASE}/logs/webappplatform/simulation.log</file>
  <rollingPolicy class="ch.qos.logback.core.rolling.FixedWindowRollingPolicy">
    <fileNamePattern>${WEBAPP_LOG_BASE}/logs/webappplatform/simulation.%i.log.zip</fileNamePattern>
    <minIndex>1</minIndex>
    <maxIndex>10</maxIndex>
  </rollingPolicy>
  <triggeringPolicy class="ch.qos.logback.core.rolling.SizeBasedTriggeringPolicy">
    <maxFileSize>100MB</maxFileSize>
  </triggeringPolicy>
  <encoder class="ch.qos.logback.classic.encoder.PatternLayoutEncoder">
    <pattern>%date [%thread] %-5level %logger - %msg%n</pattern>
  </encoder>
</appender>

<appender name="AUTHENTICATION-FILE" class="ch.qos.logback.core.rolling.RollingFileAppender">
  <file>${WEBAPP_LOG_BASE}/logs/webappplatform/authentication.log</file>
  <rollingPolicy class="ch.qos.logback.core.rolling.FixedWindowRollingPolicy">
    <fileNamePattern>${WEBAPP_LOG_BASE}/logs/webappplatform/authentication.%i.log.zip</fileNamePattern>
    <minIndex>1</minIndex>
    <maxIndex>10</maxIndex>
  </rollingPolicy>
  <triggeringPolicy class="ch.qos.logback.core.rolling.SizeBasedTriggeringPolicy">
    <maxFileSize>100MB</maxFileSize>
  </triggeringPolicy>

```

```
<encoder class="ch.qos.logback.classic.encoder.PatternLayoutEncoder">
  <pattern>%date [%thread] %-5level %logger - %msg%n</pattern>
</encoder>
</appender>
```

The same changes and permissions apply to the changes in this file as to those in [/opt/local/TeamworkCloud/configuration/logback.xml](#).

## Files installed on system locations

Daemon control files	Environment files	Cassandra installation
<ul style="list-style-type: none"><li>• <i>/etc/systemd/system/cassandra.service</i></li><li>• <i>/etc/systemd/system/twcloud.service</i></li><li>• <i>/etc/systemd/system/zookeeper.service</i></li><li>• <i>/etc/systemd/system/webapp.service</i></li></ul>	<ul style="list-style-type: none"><li>• <i>/etc/cassandra/*</i></li><li>• <i>/etc/twcloud/*</i></li></ul>	The script will place the data files in <i>/data/data</i> and commit logs to <i>/logs/commitlog</i>