



Logback

 Log back is necessary for logging tracer id as mentioned by [@Vijay Chandramohan](#)

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 Solution Approach:

create a **log-back json formatter** to generate the proper log format.

[[Please see the log back configuration.](#)] [[Log back Properties file:](#)] [[Please see the log coming](#)] [[Source Code:](#)] [[Latest Code:](#)]

Please see the log back configuration.

```
1 <configuration debug="false">
2   <appender name="accessJsonConsoleAppender" class="ch.qos.logback.core.ConsoleAppender">
3     <encoder class="net.logstash.logback.encoder.AccessEventCompositeJsonEncoder">
4       <jsonGeneratorDecorator class="net.logstash.logback.decorate.PrettyPrint"/>
5     <providers>
6       <timestamp/>
7       <pattern>
8         <pattern>
9           {
10            "@version" : "1",
11            "@type" : "access",
12            "client-host" : "%clientHost",
13            "remote-user" : "%user",
14            "request-message" : "%requestMethod",
15            "request-url" : "%requestURL",
16            "request-uri" : "%requestURI",
17            "status-code" : "#asLong{%statusCode}" ,
18            "bytes-sent" : "#asLong{%bytesSent}" ,
19            "elapsed-time" : "#asLong{%elapsedTime}" ,
20            "message" : "%requestURL %statusCode"
21          }
22        </pattern>
23      </pattern>
24    </providers>
25  </encoder>
26 </appender>
27 <filter class="ch.qos.logback.core.filter.EvaluatorFilter">
28   <evaluator class="ch.qos.logback.access.net.URLEvaluator">
29     <URL>/actuator</URL>
30   </evaluator>
31   <OnMismatch>NEUTRAL</OnMismatch>
32   <OnMatch>DENY</OnMatch>
33 </filter>
34 <appender-ref ref="accessJsonConsoleAppender"/>
35 </configuration>
```

Log back Properties file:

```
1 <configuration debug="false">
2   <appender name="accessJsonConsoleAppender" class="ch.qos.logback.core.ConsoleAppender">
3     <encoder class="net.logstash.logback.encoder.AccessEventCompositeJsonEncoder">
4       <jsonGeneratorDecorator class="net.logstash.logback.decorate.PrettyPrint"/>
5       <providers>
6         <timestamp/>
7         <pattern>
8           <pattern>
9             {
10              "@version" : "1",
11              "@type" : "access",
12              "client-host" : "%clientHost",
13              "remote-user" : "%user",
14              "request-message" : "%requestMethod",
15              "request-url" : "%requestURL",
16              "request-uri" : "%requestURI",
17              "status-code" : "#asLong{%statusCode}" ,
18              "bytes-sent" : "#asLong{%bytesSent}",
19              "elapsed-time" : "#asLong{%elapsedTime}",
20              "message" : "%requestURL %statusCode"
21            }
22          </pattern>
23        </pattern>
24      </providers>
25    </encoder>
26  </appender>
27  <filter class="ch.qos.logback.core.filter.EvaluatorFilter">
28    <evaluator class="ch.qos.logback.access.net.URLEvaluator">
29      <URL>/actuator</URL>
30    </evaluator>
31    <OnMismatch>NEUTRAL</OnMismatch>
32    <OnMatch>DENY</OnMatch>
33  </filter>
34  <appender-ref ref="accessJsonConsoleAppender"/>
35 </configuration>
```

Please see the log coming

```
"@timestamp":"2024-08-22T23:36:12.948-07:00","@version":"1","@type":"access","client-host":"0:0:0:0:0:0:1","remote
"@timestamp":"2024-08-22T23:36:12.988-07:00","@version":"1","@type":"access","client-host":"0:0:0:0:0:0:1","remote
"@timestamp":"2024-08-22T23:36:13.156-07:00","@version":"1","@type":"access","client-host":"0:0:0:0:0:0:1","remote
"@timestamp":"2024-08-22T23:36:13.191-07:00","@version":"1","@type":"access","client-host":"0:0:0:0:0:0:1","remote
"@timestamp":"2024-08-22T23:36:13.393-07:00","@version":"1","@type":"access","client-host":"0:0:0:0:0:0:1","remote
"@timestamp":"2024-08-22T23:36:13.427-07:00","@version":"1","@type":"access","client-host":"0:0:0:0:0:0:1","remote
"@timestamp":"2024-08-22T23:36:14.378-07:00","@version":"1","@type":"access","client-host":"0:0:0:0:0:0:1","remote
"@timestamp":"2024-08-22T23:36:14.613-07:00","@version":"1","@type":"access","client-host":"0:0:0:0:0:0:1","remote
2024-08-22T23:36:15.361-07:00 INFO 43936 --- [nio-8089-exec-9] [66c82ddebbd7fe707ad4e05aaa83046-07ad4e05aaa83046] o
"@timestamp":"2024-08-22T23:36:15.474-07:00","@version":"1","@type":"access","client-host":"0:0:0:0:0:0:1","remote
```

Source Code:



mtnLoyaltyM... tor.zip
23 Aug 2024, 06:46 AM

Latest Code:

 [indranb13/mtnCommonConnector](#)