## Log back custom logger

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- ✓ Solution For X\_API\_KEY

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## **Solution Approach**

please create MDCXRequestIdLoggingFilter in there you need to configure the field that is need to be printed in the log file.

```
package com.mtn.rule.drools.config;
2
3
4 import jakarta.servlet.*;
5 import jakarta.servlet.http.HttpServletRequest;
6 import jakarta.servlet.http.HttpServletResponse;
7 import org.slf4j.MDC;
8 import org.springframework.stereotype.Component;
9
10 import java.io.IOException;
11 import java.util.Objects;
12
13 @Component
14 public class MDCXRequestIdLoggingFilter implements Filter {
15
         * @param filterConfig
16
        * @throws ServletException
17
18
        */
19
        @Override
20
        public void init(FilterConfig filterConfig) throws ServletException {
21
            Filter.super.init(filterConfig);
22
23
        /**
24
         * @param servletRequest
25
         * @param servletResponse
        * @param filterChain
26
27
         * @throws IOException
28
         * @throws ServletException
29
        */
30
        @Override
31
        public void doFilter
32
        (ServletRequest servletRequest, ServletResponse servletResponse, FilterChain filterChain)
33
                throws IOException, ServletException {
34
            \hbox{if (servletRequest instance of $HttpServletRequest $httpServletRequest$}\\
35
                    && servletResponse instanceof HttpServletResponse httpServletResponse) {
36
37
                var x_api_key = "";
38
                if (!Objects.isNull(httpServletRequest.getHeader("x api key")))
39
                    x_api_key = httpServletRequest.getHeader("x_api_key");
40
                MDC.put("x_api_key", x_api_key);
41
                httpServletRequest.setAttribute("x_api_key", x_api_key);
42
            }
```

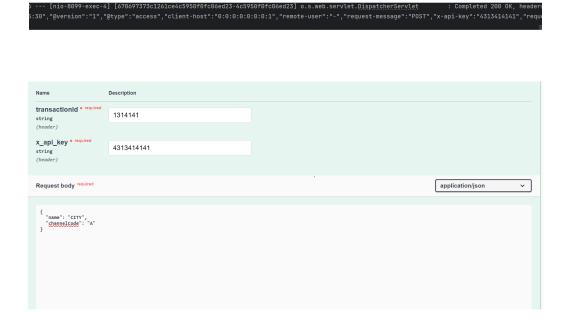
```
43
44
            filterChain.doFilter(servletRequest, servletResponse);
45
       }
46
       /**
47
48
        */
49
       @Override
50
       public void destroy() {
51
            Filter.super.destroy();
52
53 }
54
55
```

Add that configuration in

```
"@version" : "1",
    "@type" : "access",
    "client-host" : "%clientHost",
    "remote-user" : "%user"
    "x-api-key": "%reqAttribute{x_api_key}",
    "request-message" : "%requestMethod",
    "request-url" : "%requestIRL"
```

## **Test Result:**

Log output



## **Source Code:**

git link: https://github.com/indranb13/mtnCommonConnector/tree/development/mtnRuleEngine Can't find link