logging to custom files from xquery in...

Em Sea 16 posts since 24-Jan-2014

logging to custom files from xquery in OSM 7.3.5 13-Mar-2018 16:31
Hey folks,

My company upgraded from OSM 7.2.2 to OSM 7.3.5 and found that log4j is no longer supported. We would print logging from xquery files triggered by automation tasks to specific log files using the log4j.xml configuration file and defining that specific log file in our xquery file. Is there a way to do this with the new ODL system? I see that it might be possible using the logging.xml file (here) but how do I reference it on the xquery side?

Any suggestions/help would be much appreciated!

Here is an example of how we had it setup for log4j:

log4j.xml
...
```
    <appender name="OSMWirelessBaseAppender" class="org.apache.log4j.RollingFileAppender">
        <param name="File" value="/cluster/app/osm/logs/osmpp_hrzl/logs/log4j/
Wirelessbase_PP_MS1.log"/>
        <param name="Append" value="true"/>
        <param name="Threshold" value="DEBUG"/>
        <param name="MaxFileSize" value="50000KB" />
        <param name="MaxBackupIndex" value="10"/>
        <layout class="org.apache.log4j.PatternLayout">
          <param name="ConversionPattern" value="[%5p] - %d{yyyy-MM-dd HH:mm:ss} %c{1}:%L - %m
%n"/>
        </layout>
    </appender>
...
    <logger additivity="false" name="WirelessBase">
        <level value="INFO"/>
        <appender-ref ref="OSMWirelessBaseAppender"/>
    </logger>
....
```

And how we would define it in our xquery:
```
declare namespace logFactory = "java:org.apache.commons.logging.LogFactory";
```

logging to custom files from xquery in...

declare namespace log = "java:org.apache.commons.logging.Log";
declare variable $sasktelLog := logFactory:getLog("WirelessBase");
.....
log:debug($sasktelLog, concat("Add Account Note Request :",$addAccountNoteRequestStr)),
Tags: log, logging, osm, weblogic, 7.3.5

Weimin Niu-Oracle *170 posts since 09-Jul-2012*

Re: logging to custom files from xquery in OSM 7.3.5 15-Mar-2018 20:30

Hi Em,

Starting from OSM 7.3, OSM logging is changed and there is good KW note described it well

How to use ODL Extended Logging Introduced in OSM 7.3 (Doc ID 2223714.1)

If this is not answer you are looking for, please create an Enhancement SR

Thanks,

Weimin Niu

Em Sea *16 posts since 24-Jan-2014*

Re: logging to custom files from xquery in OSM 7.3.5 22-Mar-2018 20:29

in response to **Weimin Niu-Oracle**
Hey Weimin,

The document you link is basically the same as my link. It explains the logging.xml side of things but not how to split logging at the xquery level.
I don't believe this is an enhancement, as I expect this functionality exists - perhaps I don't understand what role the enhancement SR serves.

Weimin Niu-Oracle *170 posts since 09-Jul-2012*

Re: logging to custom files from xquery in OSM 7.3.5 23-Mar-2018 14:17

in response to **Em Sea**
Hi Em,

Thank you for the response - I will check with OSM Developers, I will post the answer when I get it

Best Regards,

Weimin

logging to custom files from xquery in...

Em Sea *16 posts since 24-Jan-2014*

Re: logging to custom files from xquery in OSM 7.3.5 13-Jul-2018 19:53

⬆ in response to **Weimin Niu-Oracle**

Hey Weimin, have you been able to find anything out? We still don't have this working.

Weimin Niu-Oracle *170 posts since 09-Jul-2012*

Re: logging to custom files from xquery in OSM 7.3.5 17-Jul-2018 13:22

⬆ in response to **Em Sea**

I have this answer from Developer

----

take a look a this file, now log4g was changed to ODL, you need em

console to administrate log level, path and rotation policy

- ODL Implementation POC.docx 3.5 MB Preview

Em Sea *16 posts since 24-Jan-2014*

Re: logging to custom files from xquery in OSM 7.3.5 17-Jul-2018 14:38

⬆ in response to **Weimin Niu-Oracle**

Thank you for providing that document Weimin, it is very insightful.

I tried following document and ran into an issue, perhaps you or a developer can assist.

I do not have the option to include 'com' or 'automation.plugin' in the 'Loggers To Associate' dropdown list. How do I include them? They are the ones I require.

logging to custom files from xquery in...

Create Log File

| Handler Class | oracle.core.ojdl.logging.ODLHandlerFactory ▼ |

* Log File   [   ]

* Log Path   [   ]

Log File Format   ● Oracle Diagnostics Logging - Text   ○ Oracle Diagnostics Logging - XML

Log Level   [TRACE:32 (FINEST)   ▼]

Use Default Attributes   ☐

Supplemental Attributes   [   ]

Loggers To Associate   [▼]

Rotation Policy

☐ Size Based

       Maximum Log File Siz

       Maximum Size Of All Lo

- ☐ All
- ☐ Root Logger
- ☐ com.oracle.webservices
- ☐ com.sun.xml.ws
- ☐ oracle
- ☐ oracle.adf
- ☐ oracle.adf.controller
- ☐ oracle.adf.desktopintegration
- ☐ oracle.adf.faces
- ☐ oracle.adf.model.businesseditor.log
- ☐ oracle.adf.model.businesseditor.log.Settings

                         ancel   OK

Weimin Niu-Oracle *170 posts since 09-Jul-2012*

Re: logging to custom files from xquery in OSM 7.3.5 18-Jul-2018 20:35

⬆ in response to **Em Sea**

Hi EM,

You are welcome, I raised your question and waiting for reply.

Regards,

Weimin

logging to custom files from xquery in...

Weimin Niu-Oracle *170 posts since 09-Jul-2012*

Re: logging to custom files from xquery in OSM 7.3.5 19-Jul-2018 15:19

⬆ in response to **Em Sea**

Here is response I got

======

Log categories must be loaded once in memory (e.g. by executing the automation plugin code once) before it shows up in the log4j days. It is probably the case here as well.

Weimin Niu-Oracle *170 posts since 09-Jul-2012*

Re: logging to custom files from xquery in OSM 7.3.5 19-Jul-2018 15:29

⬆ in response to **Weimin Niu-Oracle**

Add a new attachment
  • OSM73XLoging.pdf 688.1 K Preview

Em Sea *16 posts since 24-Jan-2014*

Re: logging to custom files from xquery in OSM 7.3.5 25-Jul-2018 17:39

⬆ in response to **Weimin Niu-Oracle**

All of our automation plugin code has been executing for months, that cannot be the case.

Edit: I did not notice that document you linked, I'm reading it now. I'll report back after.

Em Sea *16 posts since 24-Jan-2014*

Re: logging to custom files from xquery in OSM 7.3.5 26-Jul-2018 16:55

⬆ in response to **Em Sea**

Alright, after reading through the second document you provided and some fiddling around it appears I have it sorted out.
I was only able to add the automation.plugin logger after manually adding it to the logging.xml, it would not add it automatically.
That document also gave me insight on printing to custom log files, which is really our end goal.

Thank you very much for assisting me on this matter Weimin Niu-Oracle, it will go a long way for us as we have a lot of custom logging to custom files. This will get us back on track.

Cheers,
Marcus