

Documentation: Ambience 4.x log usage

1. Ambience.log:

- Provides details as well a summarized view of the background processes of the Ambience Server instance. Example(s) as shown below.
- The Ambience log will indicate the jobs that are being triggered. The information at the Ambience log level is a high level summary and would require users to refer to the relevant job/audit logs (match via timestamp) for more details on the job itself.

```
Ambience.log
10:20:46.596 INFO Activity - render "/ElixirSamples/Report/RML/Form.rml"
10:20:46.609 INFO com.elixirtech.v2.job.JobSubmitter - submit with constraints: BasicJobConstraints(job,60,60,3)
10:20:46.615 INFO com.elixirtech.v2.job.InfoWatcher - Starting akka://elx-ambience/user/$c
10:20:46.619 INFO com.elixirtech.v2.job.InfoWatcher - Job Form.rml starting
10:20:50.627 INFO c.e.v.d.r.action.ChunkedOutput - Received 0 452
10:20:50.630 INFO c.e.v.d.r.action.ChunkedOutput - Closing file /Temp/admin/tmp-0000000744.csv with 452 bytes
10:20:50.645 INFO c.e.v.d.r.action.PutLocalContents - Saving 452 bytes
10:20:50.647 INFO c.e.v.d.r.action.ChunkedOutput - Success with
FileMetadata(/Temp/admin/tmp-0000000744.csv,true,false,Set(),Version(74/97/2bf8e9518af209538145cb78c7c29b29d40b,admin,169
8200450645,452),1698200450645,Map())
10:20:50.648 INFO c.e.v.d.r.action.ChunkedOutput - Sent reply to Actor[akka.tcp://elx-ambience@localhost:60855/temp/$I]
10:20:50.724 INFO com.elixirtech.v2.job.InfoWatcher - Job Form.rml finished: 0
10:20:50.742 INFO Activity - /ElixirSamples/Report/RML/Form.rml
ByteCount 452
Elapsed time = 4093
MimeType text/csv
PageCount 1
RecordCount 1
Result /Temp/admin/tmp-0000000744.csv
eno:admin
```

- The Ambience log also prints the MinuteMinderSync at minute intervals, the MinuteMinderSync number correlates to the number in the minute-minder.csv which provides more details on the backend server processes. Refer to point 5 for more details.

```
Ambience.log
12:10:38.080 INFO com.elixirtech.arch.MinuteMinderSync - 6
12:11:38.080 INFO com.elixirtech.arch.MinuteMinderSync - 7
12:12:38.080 INFO com.elixirtech.arch.MinuteMinderSync - 8
```

2. Audit.log

- The audit logs would log down most activities carried out by a specific user account. Example(s) as shown below.
- Based on the timestamp derived from the ambience log, the audit log could provide further information on a specific job. (for e.g, Which Job Engine is handling the job, Which user triggered the job, The type of report output, The parameters parsed in, Record-Count, Page-Count, Elapsed Time)

```
Audit.log

10:20:46.706 INFO Audit - eno,admin,JobEngine,second,job1,started,akka.tcp://elx-ambience@localhost:2552/user/$c
10:20:46.737 INFO Audit - eno,admin,JobEngine,second,report,/ElixirSamples/Report/RML/Form.rml,text/csv
10:20:46.984 INFO Audit - eno,admin,ReportEngine,,/ElixirSamples/Report/RML/Form.rml,render,text/csv
10:20:46.986 INFO Audit - eno,admin,ReportEngine,,/ElixirSamples/Report/RML/Form.rml,parameters,mime-type=text/csv,
mode=render
10:20:50.671 INFO Audit - eno,admin,ReportEngine,,/ElixirSamples/Report/RML/Form.rml,record-count,1
10:20:50.673 INFO Audit - eno,admin,ReportEngine,,/ElixirSamples/Report/RML/Form.rml,page-count,1
10:20:50.688 INFO Audit - eno,admin,JobEngine,second,output,/Temp/admin/tmp-0000000744.csv,
10:20:50.716 INFO Audit - eno,admin,JobEngine,second,job1,status,Completed
10:20:50.720 INFO Audit - eno,admin,JobEngine,second,job1,elapsed,4002ms
10:20:50.720 INFO Audit - eno,admin,JobEngine,second,job1,stopped,akka.tcp://elx-ambience@localhost:2552/user/$c
```

3. Job-engine-n.log

- The Job Engines logs information on the processes running at each job engine. Example(s) as shown below.
- Based on the audit log, you could then look into the respective job engine logs to further troubleshoot a job.

```
Job-engine-n.log

10:20:46.705 INFO c.elixirtech.v2.jobengine.JobEngine - second Started Form.rml job1 for
akka.tcp://elx-ambience@localhost:2552/user/$c
10:20:46.769 INFO Usage.rml-report - rml-report,admin,render,/ElixirSamples/Report/RML/Form.rml
10:20:50.615 INFO com.elixirtech.arch.statsd.StatsD - Enabled: false
10:20:50.621 INFO com.elixirtech.arch.io.DaCapoHandler - handle 452 bytes
10:20:50.623 INFO com.elixirtech.arch.io.DaCapoHandler - Closing /Temp/admin/tmp-0000000744.csv
10:20:50.625 INFO com.elixirtech.arch.io.DaCapoHandler - First close: LoggingHelper.scala:38 -> DaCapoHandler.scala:57 ->
LoggingHelper.scala:129,128,97 -> DaCapoHandler.scala:57 -> ChunkOutputStream.scala:48 ->
ByteCounterOutputStream.java:21,21 -> StreamEncoder.java:341,161 -> OutputStreamWriter.java:255 -> PrintWriter.java:415 ->
FileUtil.java:228 -> CSVPageListener.java:98 -> PageCountListener.java:49 -> AuditPageListener.scala:46 ->
BlankRemovalPageListener.java:41 -> LogicalRenderContext.java:433
10:20:50.673 WARN com.elixirtech.arch.io.DaCapoHandler - Close called twice LoggingHelper.scala:38 -> DaCapoHandler.scala:64
-> LoggingHelper.scala:121,120,97 -> DaCapoHandler.scala:64 -> ChunkOutputStream.scala:48 -> ARM.scala:10,36,36 ->
Iterator.scala:943,943,1431 -> IterableLike.scala:74,73 -> Stack.scala:172 -> ARM.scala:36,44 -> RmlRenderer.scala:67 ->
ReportHandler.scala:65 -> JobEngine.scala:215 -> JFunction0$mcV$sp.java:23 -> JobLogging.scala:233
```

```
10:20:50.714 INFO c.e.v2.jobengine.TargetHandler - Parameters: Map()
10:20:50.720 INFO c.elixirtech.v2.jobengine.JobEngine - Finished job1 for akka.tcp://elx-ambience@localhost:2552/user/$c
10:20:50.720 INFO c.elixirtech.v2.jobengine.JobEngine - second Finished Form.rml job1 for
akka.tcp://elx-ambience@localhost:2552/user/$c
```

4. Error.log

- Provides a daily summary of errors and exceptions at the Ambience Server or job engine level. Example(s) as shown below.
- The error log is a quick summary reference for users to refer to and trace the the error in the Ambience log via matching timestamps

Error.log

```
16:41:57.296 ERROR c.e.v.r.client.RemoteRepositoryUtil - getFO
/Elixir/ER_Exercises/Parameterization/Param-Basic/datasource/Customers.ds: 404 Not Found
16:41:57.298 ERROR com.elixirtech.data2.ParameterUtil - Can't lookup values: File not found:
repository:/Elixir/ER_Exercises/Parameterization/Param-Basic/datasource/Customers.ds

com.elixirtech.data2.DataException: File not found:
repository:/Elixir/ER_Exercises/Parameterization/Param-Basic/datasource/Customers.ds
```

5. Minute-minder.csv

- Tracking of back-end processes at minute intervals. Example(s) as shown below.
- For example,

minute-minder.csv

```
6,"AsyncWeb",Count,3
6,"DaCapo/Store/Get",Count,2
6,"DaCapo/eno",Count,9
6,"DomainController/service",Count,3
6,"Indexer/eno",Count,1
6,"Vivace/eno",Count,3
6,"Host/RAM/localhost:2552",Load,164
6,"Host/RAM/localhost:53556",Load,50
6,"Host/RAM/localhost:53557",Load,145
6,"JobEngine/eno",Load,2
6,"AsyncWeb",Time,3
```

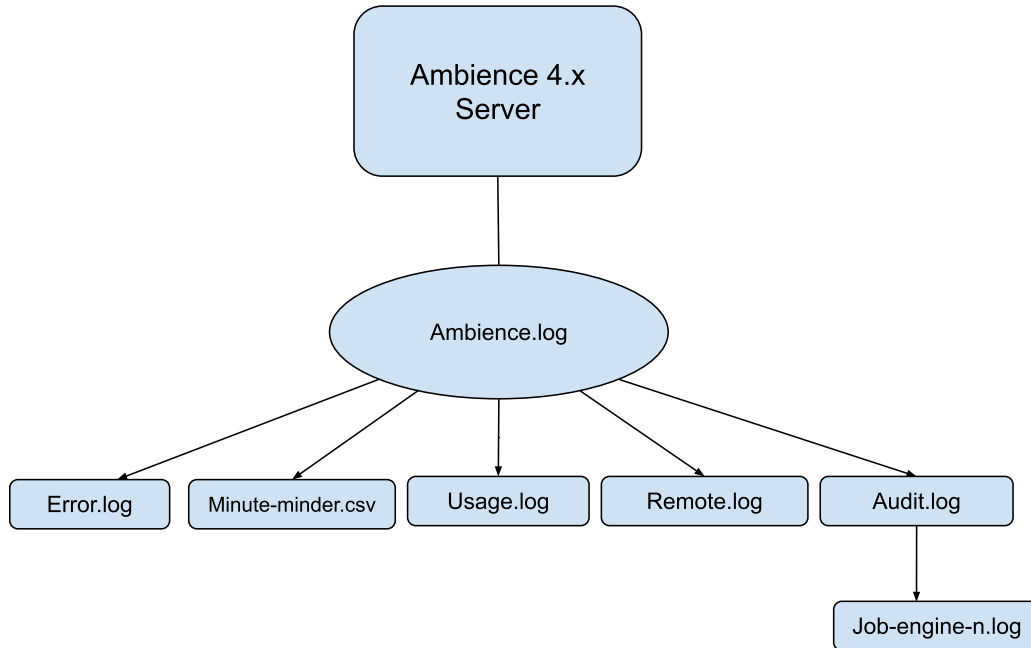
6. Remote.log

- Information on any remote connections made by the Ambience Designer.

7. Usage.log

- Not in use, applicable if the Ambience Server is configured to be multi-tenanted.

Ambience 4.x log Diagram



Note:

The information at the Ambience log level is a high level summary and would require users to refer to the relevant error/minute-minder/audit logs (match via timestamp) for more details