

Grouper web services log

Wiki Home	Grouper Release Announcements	Grouper Guides	Grouper Deployment Guide	Community Contributions	Internal Developer Resources
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This will log to a file for web services. You need Grouper WS v2.3.0+ patch 12.

The log will have one entry for a request.

Configure

In the log4j.properties, configure the web services to a file for debug

```
log4j.appender.grouper_ws                                = org.apache.log4j.DailyRollingFileAppender
log4j.appender.grouper_ws.File                            = ${grouper.home}logs/grouper_ws.log
log4j.appender.grouper_ws.DatePattern                    = '.'yyyy-MM-dd
log4j.appender.grouper_ws.MaxBackupIndex                 = 30
log4j.appender.grouper_ws.layout                         = org.apache.log4j.PatternLayout
log4j.appender.grouper_ws.layout.ConversionPattern       = %d{ISO8601}: %m%n

log4j.appender.grouper_ws_longRunning                    = org.apache.log4j.DailyRollingFileAppender
log4j.appender.grouper_ws_longRunning.File               = ${grouper.home}logs/grouper_ws_longRunning.log
log4j.appender.grouper_ws_longRunning.DatePattern        = '.'yyyy-MM-dd
log4j.appender.grouper_ws_longRunning.MaxBackupIndex     = 30
log4j.appender.grouper_ws_longRunning.layout             = org.apache.log4j.PatternLayout
log4j.appender.grouper_ws_longRunning.layout.ConversionPattern = %d{ISO8601}: %m%n

# ws logs
log4j.logger.edu.internet2.middleware.grouper.ws.util.GrouperWsLog = DEBUG, grouper_ws
log4j.additivity.edu.internet2.middleware.grouper.ws.util.GrouperWsLog = false
log4j.logger.edu.internet2.middleware.grouper.ws.util.GrouperWsLongRunningLog = DEBUG, grouper_ws_longRunning
log4j.additivity.edu.internet2.middleware.grouper.ws.util.GrouperWsLongRunningLog = false
```

Example

```
2018-05-01 18:57:43,764: start: 18:57:43.638, remoteAddr: 127.0.0.1, requestUrl: http://localhost:8088/grouperWs
/servicesRest/v2_3_000/permissionAssignments, method: getPermissionAssignments, clientVersion: 2.3.0,
immediateOnly: false, includeAssignmentsOnAssignments: false, includeAttributeAssignments: false,
includeAttributeDefNames: false, includeGroupDetail: false, includeLimits: false,
includePermissionAssignDetail: false, includeSubjectDetail: false, pointInTimeFrom: 2018-05-01 18:57:43.076,
pointInTimeTo: 2018-05-01 18:57:43.076, wsAttributeDefLookups: Array size: 1: [0]: name: aStem:permissionDef,
userIdLoggedIn: GrouperSystem, userIdLoggedInSource: g:isa, success: T, resultCode: SUCCESS, serverVersion:
2.3.0, resultsSize: 0, elapsedMillis: 126

2018-05-01 21:50:48,283: start: 21:50:48.272, remoteAddr: 127.0.0.1, requestUrl: http://localhost:8088/grouperWs
/servicesRest/v2_3_000/attributeDefNames, method: findAttributeDefNames, clientVersion: 2.3.0,
wsAttributeDefNameLookups: Array size: 2: [0]: name: aStem1:newAttributeDefName1, [1]: name: aStem1:
newAttributeDefName2, userIdLoggedIn: GrouperSystem, userIdLoggedInSource: g:isa, success: T, resultCode:
SUCCESS, serverVersion: 2.3.0, resultsSize: 2, elapsedMillis: 11

2018-05-01 19:09:56,943: start: 19:09:56.901, remoteAddr: 127.0.0.1, requestUrl: http://localhost:8088/grouperWs
/servicesRest/v2_3_000/memberships, method: getMemberships, clientVersion: 2.3.0, includeGroupDetail: false,
includeSubjectDetail: false, subjectAttributeNames: Array size: 2: [0]: a, [1]: name, wsGroupLookups: Array
size: 2: [0]: name: aStem:aGroup, [1]: name: aStem:aGroup2, wsMemberFilter: All, userIdLoggedIn: GrouperSystem,
userIdLoggedInSource: g:isa, success: T, resultCode: SUCCESS, serverVersion: 2.3.0, resultsSize: 4,
elapsedMillis: 41
```

Request and correlation id

Set these headers for request and correlation id

```
X-Correlation-Id: xyz  
X-Request-Id: abc
```

The log messages on the server will look like this

```
2022-12-12T22:36:40,099: [http-nio-8080-exec-7] DEBUG GrouperLogger.debug(62) - [< GrouperSystem - 127.0.0.1 >]  
- reqId: abc, corrId: xyz, start: 22:36:19.842, remoteAddr: 127.0.0.1, requestUrl: http://localhost:8080  
/grouper-ws/servicesRest/2.6.0/groups, method: addMember, clientVersion: 2.6.0, includeGroupDetail: false,  
includeSubjectDetail: false, replaceAllExisting: false, subjectLookups: Array size: 2: [0]: subjectId: test.  
subject.0, [1]: subjectId: test.subject.1, txType: NONE, wsGroupLookup: name: aStem:aGroup, userIdLoggedIn:  
GrouperSystem, userIdLoggedInSource: g:isa, successes: 2, failures: 0, success: T, resultCode: SUCCESS,  
serverVersion: 2.6.0, resultsSize: 2, elapsedMillis: 266
```