

Logging in Java Adapters

Overview

This tutorial provides the required code snippets in order to add logging capabilities in a Java adapter.

Logging example

Import the java logging package:

```
import java.util.logging.Logger;
```

Define a logger:

```
static Logger logger = Logger.getLogger(JavaLoggerTestResource.class.getName());
```

Now inside a method include logging:

```
logger.warning("Logging warning message...");
```

This message outputs to the `trace.log` file of the application server. If the server administrator is forwarding logs from the MobileFirst Server to the MobileFirst Analytics server the `logger` message will also appear in the **Infrastructure → Server Log Search** view in the MobileFirst Analytics Console.

Accessing the log files

- In an on-prem installation of the MobileFirst Server, the file is available depending on the underlying application server.
 - IBM WebSphere Application Server Full Profile
(http://ibm.biz/knowctr#SSEQTP_8.5.5/com.ibm.websphere.base.doc/ae/ttrb_trcover.html)
 - IBM WebSphere Application Server Liberty Profile
(http://ibm.biz/knowctr#SSEQTP_8.5.5/com.ibm.websphere.wlp.doc/ae/rwlp_logging.html?cp=SSEQTP_8.5.5%2F1-16-0-0)
 - Apache Tomcat (<http://tomcat.apache.org/tomcat-7.0-doc/logging.html>)
- To get to the logs in a cloud deployment in:
 - IBM Containers or Liberty Build Pack, see the IBM Containers log and trace collection ([../../bluemix/mobilefirst-server-using-scripts/log-and-trace-collection/](#)) tutorial.
 - Mobile Foundation Bluemix service, see Accessing server logs ([../../bluemix/using-mobile-foundation/#accessing-server-logs](#)) section in the Using Mobile Foundation ([../../bluemix/using-mobile-foundation](#)) tutorial.

Forwarding Logs to the Analytics server

Logs can also be forwarded to the Analytics console.

1. In MobileFirst Operations Console select the **Settings** option from the sidebar navigation.
2. Click the **Edit** button in the **Runtime Properties** tab.

3. In the **Analytics → Additional packages** section, specify the class name of the Java adapter, for example `com.sample.JavaLoggerTestResource`, to forward logs to the MobileFirst Server.

MobileFirst Operations Console Analytics Console Hello, admin

Dashboard

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Runtime Settings

Runtime Properties | Keystore | Confidential Clients

Runtime Properties Read Only

Adapters

GZIP compression threshold for adapter responses *

Compression threshold, in bytes, from which the server tries to compress the MobileFirst adapter response if the client accepts gzip.

Save Cancel Restore Default Values

Analytics

Additional packages

✓

A comma-separated list of packages that the logger uses to generate the output sent to the MobileFirst Analytics server.

Data collection enabled

Enables or disables collecting data about applications, adapters, devices, and logs to be sent to the analytics service.

Save Cancel Restore Default Values

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