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

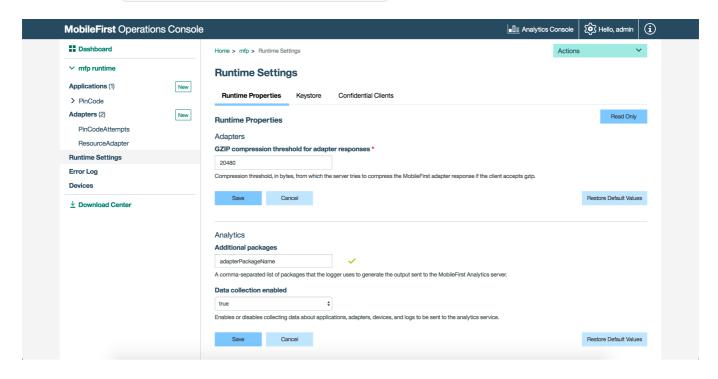
- In an on-prem installation of the MobileFirst Server, the file is available depending on the underlying application server.
 - IBM WebSphere Application Server Full Profile (http://ibm.biz/knowctr#SSEQTP_8.5.5/com.ibm.websphere.base.doc/ae/ttrb_trcover.html)
 - IBM WebSphere Application Server Liberty 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.



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