

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.

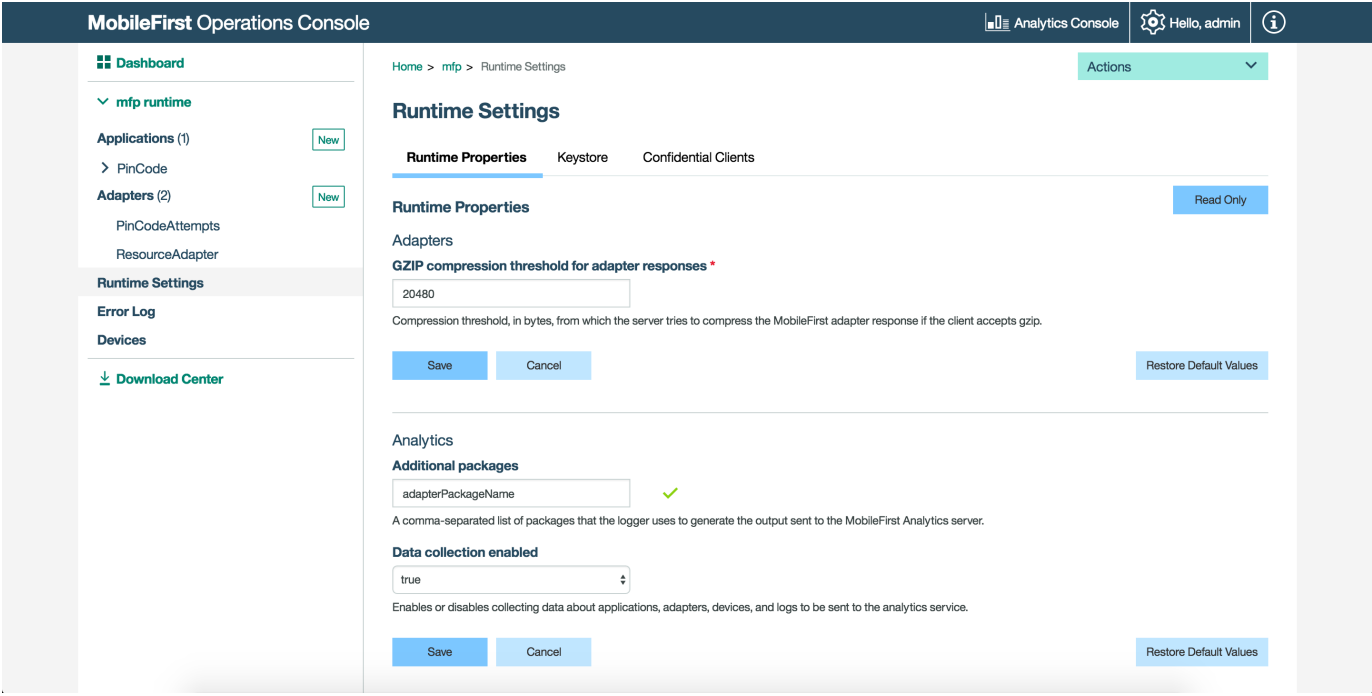
Accessing the log files

- 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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