

Logging in JavaScript Adapters

Overview

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

Logging example

The message below 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.

```
MFP.Logger.debug("This is a debug message from a JavaScript adapter");
```

Additional logging levels, from least to most verbose: ERROR, WARN, INFO, LOG and DEBUG.

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 **MFP.Logger** to forward JavaScript Adapter logs to the MobileFirst Server.

MobileFirst Operations Console

Analytics Console

Hello, admin

Dashboard

mfp runtime

Applications (1)

New

PinCode

Adapters (2)

New

PinCodeAttempts

ResourceAdapter

Runtime Settings

Error Log

Devices

Download Center

Home > mfp > Runtime Settings

Actions

Runtime Settings

Runtime Properties

Keystore

Confidential Clients

Runtime Properties

Read Only

Adapters

GZIP compression threshold for adapter responses *

20480

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

MFPLogger

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

Data collection enabled

true

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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