
Lab7 - Overview MFP Operational Analytics

The next series of labs explore the power of MFP's built-in Operational Analytics feature. Simply by being a MobileFirst project and connecting to a MobileFirst Platform server, applications automatically forward useful details about the application environment - including device platform distribution, server distribution (in multi-server environments), authentication failures and performance statistics.

In addition, client logs which are invaluable at client-side development time, can also be forwarded and collected at the server for analysis and troubleshooting.

Operational Analytics architecture

The MobileFirst Operational Analytics server is a separately packaged, no-charge element of the MobileFirst Platform Foundation. It can run on the same physical server as your MFP server or can be installed on its own node or even clustered for highly-scalable, highly-available monitoring. It is automatically enabled within the development environment with either the Studio or the Command Line Interface. We'll be using the instance packaged in the CLI for this set of labs.

The Analytics server is made up of data collection and searching logic plus an Operational Analytics console which allows you to view and manage and search the collected data in a suite of provided views and charts, plus has the capability to generate custom charts with a variety of built-in and custom events.

Locate and login to the Analytics Console

Before we continue with the next coding exercise, lets look at the operational analytics console, which provide a wide variety of data about the usage of our application, adapters and more.

If the Operations console is not open in a browser, navigate to the `IBMTechExBackend` folder and issue `mfp console`.

From the MobileFirst Operations Console, Click on the 'Analytics Console' link on the top right corner.

MobileFirst Operations Console

Analytics ConsoleHello, admin

Dashboard

Runtimes

mfp

Applications

New

Employee

Adapters

New

Employee

EmployeeAdapter

UserLogin

Settings

Devices

Error Log

Home > Dashboard

Actions

Dashboard

Welcome!

You have one or several apps registered or adapters deployed. Here are some things you can do as next steps. You can also visit our [Developer Center](#) to learn more.

Register an App

Get CLI

Get Starter Code

Monitoring

Administration DB

Active

Configuration Service

Active

Push Service

Active

When prompted for the user id and password, use the default of admin/admin

IBM MobileFirst Platform

User:

admin

Password:

.....

Log in

Review the Analytics Console

If you have run the prior exercises, you should see that there is a substantial amount of information provided

out-of-the-box on the various tabs and views, without any special effort on your part.

Application analytics

MobileFirst Analytics Console

Dashboard

Apps

Infrastructure

Usage and DevicesCrashesClient Log SearchDevice Search

Usage and Devices

Apr 03, 2016 - Apr 11, 2016All ApplicationsAll VersionsAll Operating SystemsAll Models

All OS Versions

Refresh

Total Devices

1

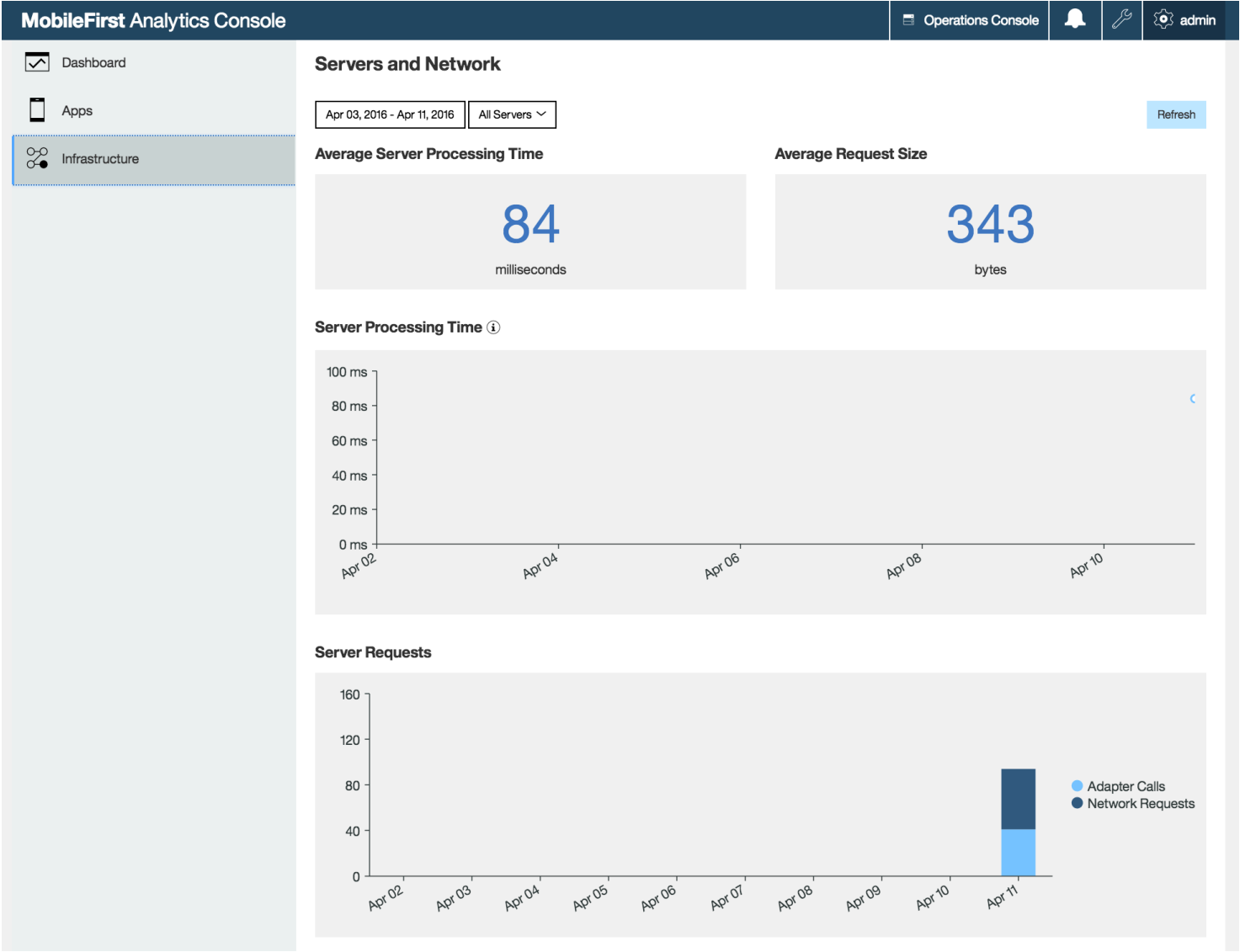
Total App Sessions

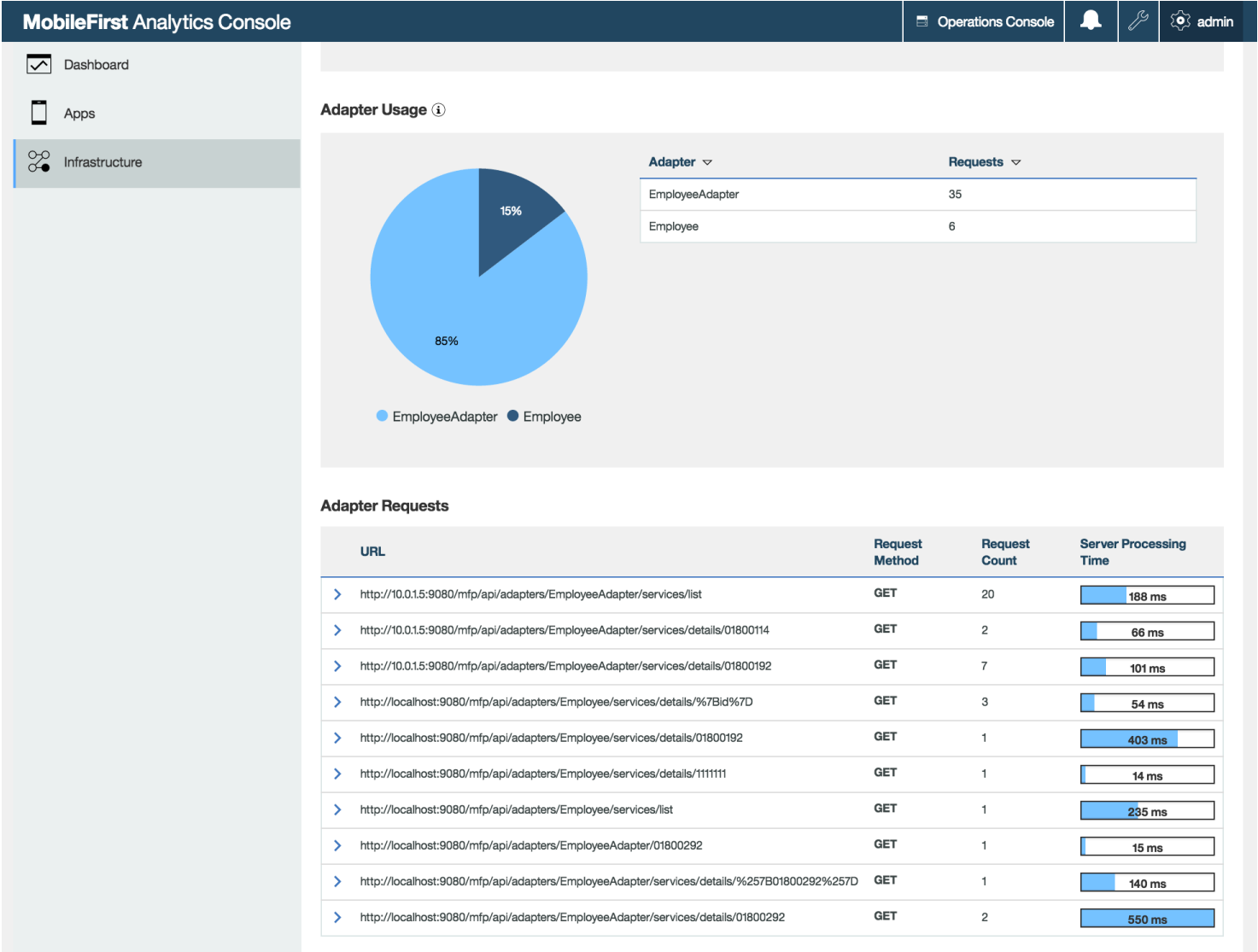
0

App Sessions

No data available

Server & Network analytics





As we'll see in the next lab, the platform also provides a client-side api that allow you to capture and log your own custom metadata, and generate custom reports for deep insight on application usage.

Go ahead and navigate the different tabs and pages to see the range and types of information collected and available for use in managing your applications, servers and environment.