

Setting up the MobileFirst development environment

Overview

This tutorial covers the basics of the IBM MobileFirst Platform Foundation development environment and tools.

- The MobileFirst developer tools are supported on the following operating systems: Windows, Apple OS X and Linux.
- The MobileFirst Operations Console is supported in modern browsers such as: Internet Explorer 10+, latest Chrome, Safari and Firefox.

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MobileFirst Development Server

The IBM MobileFirst Development Server is a web application archive (.war) that is deployed on an IBM WebSphere Liberty profile Application Server.

From the MobileFirst Server's Operations Console a developer can:

- Register and deploy applications and adapters
- Optionally download native/Cordova application templates
- Configure application aspects:
 - Authentication and security
 - Push Notifications
 - Direct Update
- Generate DevOps scripts for continuous integration workflows and faster development cycles
- and more

To learn more about the MobileFirst Operations Console, see the tutorial: [Using the MobileFirst Platform Operations Console \(../../adding-the-mfpf-sdk/using-the-mobilefirst-platform-operations-console\)](#).

To download and install the MobileFirst Development Server, visit the [downloads \(/downloads/\)](#) page.

MobileFirst Command-line Interface

The IBM MobileFirst command-line interface (CLI) tool enables developers to:

- Manage MobileFirst Servers
- Register and configure applications
- Create, build, deploy and test adapters

To learn more about the MobileFirst CLI, see the tutorial: [Using CLI to manage MobileFirst artifacts \(../../client-side-development/using-cli-to-manage-mobilefirst-artifacts/\)](#).

To download and install the MobileFirst CLI, visit the [downloads \(/downloads/\)](#) page.

MobileFirst Studio

IBM MobileFirst Studio is an Eclipse plug-in that interfaces with the MobileFirst CLI and provides a User Interface for commands such as:

- Application & adapter creation and registration
- Updating of applications and adapters to or from the server
- Opening the MobileFirst Operations Console
- Use of Direct Update

To download and install MobileFirst Studio, visit the downloads (/downloads/) page.

Requirements

To use MobileFirst Studio for Cordova application development, it is also required to download and install the THyM Eclipse plug-in

(https://www.eclipse.org/community/eclipse_newsletter/2014/november/article3.php).

Applications and adapters development

You can use your preferred code editor or alternative IDEs, such as Atom.io, Eclipse, IntelliJ and others, to implement applications and adapters.