Flex Test Drive instructions for using FXP files

To run code contained in an FXP file for a tutorial, you need to:

1. Complete the setup instructions to set up your local application server (see flextestdrive_setup.pdf).

2. Import the correct Flash Builder project (FXP) file for PHP, ColdFusion, or Java (discussed in this document).

3. If necessary, recreate the data service and configure data service return types (discussed in this document).

Import the project

1. Open Flash Builder.

2. Select File > Import Flex Project (FXP) or Import Flash Builder Project (FXP).

3. In the Import dialog box, click the Browse button next to File.

4. In the Open dialog box, browse to where you saved the FXP file, select the file, and click the Open button.

5. Back in the Import Flash Builder Project dialog box, click the Next button.

6. On the Update Path Variables page, edit each of the three variables for *your specific server and its configuration*. Example values for local PHP Zend, ColdFusion 9, and Tomcat servers on a Mac are shown below. Note that the file locations and URLs are probably different for your particular server.

   PHP ZEND

   > **Output folder location:**
   >
   > /usr/local/zend/apache2/htdocs/TestDrive/TestDrive-debug or
   > /usr/local/zend/apache2/htdocs/TestDrive/MobileTestDrive
   >
   > **Web root**: /usr/local/zend/apache2/htdocs/
   >
   > **Root URL**: http://localhost:10088/

   COLDFUSION

   > **Root URL**: http://localhost:8500/
   >
   > **Output folder location:**
   >
   > /Applications/ColdFusion9/wwwroot/TestDrive/TestDrive-debug or
   > /Applications/ColdFusion9/wwwroot/TestDrive/MobileTestDrive-debug
   >
   > **Web root**: /Applications/ColdFusion9/wwwroot/

   JAVA

BLAZE_FLEX_SERVER_ROOT: /Applications/tomcat/webapps/testdrive/

BLAZEDS_WEB_URI: http://localhost:8400/testdrive/

Output folder location:

/Applications/tomcat/webapps/testdrive/TestDrive-debug or

/Applications/tomcat/webapps/testdrive/MobileTestDrive-debug

7. Click Finish.

8. Try to run one of the TestDrive files.

9. If you get any errors with either Test Drive (which you will if your server setup is not exactly the same as that used to create the project and the service), you will need to delete and recreate the data service as outlined in the next section.

10. If you do not get any errors and you are using Flash Builder for PHP, you can select either option in the Run As dialog box that appears. For the Flex Test Drive for Mobile, you will get a Run Configuration dialog box: select desktop for the launch method, select a device to simulate, and then click Run.

Recreate the data service

1. In Flash Builder, navigate to the Data/Services view at the bottom of the IDE, right-click EmployeeService, select Delete, click the Select All button, and click OK.

2. In the Data/Services view, click the Connect to Data/Service link.

3. In the Connect to Data/Service dialog box, select PHP, ColdFusion, or BlazeDS (for Java) and click Next.

4. If you get an Authentication Required dialog box, click the No password required check box or enter your RDS password, or username and password.

   Java developers: The Java testdrive webapp was configured (in the web.xml file) to use RDS with no password.

5. **PHP and ColdFusion developers:** On the Configure Service page, click the Browse button and browse to where you installed the PHP or ColdFusion service. Example paths are shown here:

   /usr/local/zend/apache2/htdocs/TestDrive/services/EmployeeService.php
   /Applications/ColdFusion9/wwwroot/TestDrive/services/EmployeeService.cfc

6. **Java developers:** On the Import Service page, select the employeeService destination *and change the service package* to services.employeeservice. You *must* make this change so the prewritten Test Drive code works as written with your destination.

7. Click the Finish button. You should see EmployeeService in the Data/Services view.

Configure data service return types

For the Flex Test Drive (for web applications), complete the following steps:
1. In the Data/Services view, right-click getEmployees() and select Configure Return Type.

2. In the dialog box, complete one of the following steps.

   PHP and ColdFusion developers: Select Auto-detect the return type from sample data, select Enter a name to create a new data type, and enter Employee.

   Java developers: Select Use an existing data type and select Employee[].

3. Click Finish.

4. In the Data/Services view, right-click getEmployeesByName() and select Configure Return Type.

5. In the dialog box, select Use an existing data type and select Employee[].

6. Click Finish.

7. Run one of the Test Drive applications. Your application should compile and data should be retrieved and displayed in the application.

For the Flex Test Drive for Mobile, complete the following steps:
1. In the Data/Services view, right-click getEmployeesSummary() and select Configure Return Type.

2. In the dialog box, complete one of the following steps.

   PHP and ColdFusion developers: Select Auto-detect the return type from sample data, select Enter a name to create a new data type, and enter Employee.

   Java developers: Select Use an existing data type and select Employee[].

3. Click Finish.

4. In the Data/Services view, right-click getEmployeesSummaryByName() and select Configure Return Type.

5. In the dialog box, select Use an existing data type and select Employee[].

6. Click Finish.

7. **PHP developers:** In the Data/Services view, right-click getEmployeesSummaryByName(), select Configure Input Types, and the dialog box, select String and click OK.

8. Run one of the Flex Test Drive for Mobile applications.

9. If you get Run Configuration dialog box, select desktop for the launch method, select a device to simulate, and then click Run.

   Your application should compile and data should be retrieved and displayed in the application.