# Forerunner SDK Readme

## Getting Started

If you are new to the Forerunner SDK we recommend you work your way through the Getting Started sample found here:

<http://forerunnersw.com/home/samples?Sample=GettingStarted>

This sample includes everything you need to know to install a trial version of Mobilizer right up to having your own running web application with a report page.

## How to Update to a New Version of the SDK

You will, at some point, want to update your web application to a new version of the Forerunner SDK. You should take a little care when setting up your application so that this is as painless as possible. Here are the recommended best practices:

* Copy the “Forerunner” folder from your installed Mobilizer install folder into your project
  + Carefully document changes to any files you make in this folder. When you upgrade you will need to merge your changes into the new files
* Copy the files from the “sdk” folder into your project. You may need to change these files depending upon your needs.
  + Carefully document changes to any files you make in this folder. When you upgrade you will need to merge your changes into the new files
* Copy the “Custom” folder from your installed Mobilizer install folder into your project
  + Carefully document changes to any files you make in this folder. When you upgrade you will need to merge your changes into the new files
* Copy the following files from the installed bin folder into your project bin folder:
  + Forerunner.Json.dll
  + Forerunner.SQLReporting.dll
  + PdfSharp.dll

Make sure you have references to the new assembly files in your project.

## Version 3

One change you will need to make is to add an HttpConfiguration route for the ReportManager in addition to the ReportViewer. Make sure you have the following as part of your WebApiConfig.cs file, ***make sure they are at the top before other routes***:

config.Routes.MapHttpRoute(

name: "MobilizerManagerAPI",

routeTemplate: "api/{controller}/{action}/{id}",

defaults: new { id = RouteParameter.Optional },

constraints: new { controller = @"ReportManager" }

);

config.Routes.MapHttpRoute(

name: "MobilizerViewerAPI",

routeTemplate: "api/{controller}/{action}/{id}",

defaults: new { id = RouteParameter.Optional },

constraints: new { controller = @"ReportViewer" }

);

Add the following new javascript references to your application:

* jstree.js
* FRmaphilight.js

In the getting started sample the file: "\_ReportLayout.cshtml", contains the references to depended scripts. If your application uses the same file to reference scripts, add these line:

<script type="text/javascript" src="~/Forerunner/Lib/jsTree/jstree.js"></script>

<script type="text/javascript" src="~/Forerunner/Lib/misc/js/jquery.FRmaphilight.js"></script>

just before the line:

<script type="text/javascript" src="~/Forerunner/Lib/jQuery/js/jquery-ui-1.10.3.forerunner.js"></script>

## ReportManagerController.cs

In some rare cases you may not want to use the standard Mobilizer endpoints defined in the Report Manager Controller. This may be the case if you don’t want forerunner SDK to read / write forerunner specific data into the Report Server DB.

There is a new web.config appSetting name Forerunner.UseMobilizer, if you set that too false all of the endpoints that use the database will be disabled.

<configuration>

<appSettings>

…

<add key="Forerunner.UseMobilizerDB" value="true"/>

</appSettings>

</configuration>