# Real World Big Data in Azure

**Module 1 Setup Instructions**

In Module 1 we build out the REST API which will be the entry point for our Big Data platform.

## Telemetry

This is the demo solution for the course. In this module we only have projects for the Web API, but in the course we will add all the components to this solution.

### Pre-requisites

The demo solution is delivered in Visual Studio 2013.

The solution uses NuGet package restore to load packages during the build.

To enable this in Visual Studio, open *Tools…Library Package Manager…Package Manager Settings* and ensure both options (*Allow NuGet to download missing packages* and *Automatically check for missing packages during build in Visual Studio*) are ticked.

### Before

This is the boilerplate code with core components (like the NLog logging integration) and the empty **EventsCotntroller** class in the Web API project, **Telemetry.Api**. You can build this code and make a POST to the endpoint at:

* http://localhost/Telemetry.Api/events

Whatever input you use you will get an HTTP 200 OK from the API, and you can see the additional version headers in the response.

### After

By the end of the module we have added the POST implementation in **EventsController**.

Check out the unit tests in **EventsControllerTests** and you will see we have 100% coverage of the controller.

But coverage isn’t the whole story – the API is broken at this point because we won’t implement **IEventSender** until Module 2.