Tools: MyFiddler Steps

Thursday, August 8, 2019 6:41 PM

TELERIK FIDDLER TRACE

The Power BI Service and many of the types of data sources that it connects to utilize HTTP and/or HTTPS type traffic. Teler ik Fiddler is a tool that monitors HTTP and/or HTTPS type traffic. For each HTTP/S Request, we should in theory get a HTTP/S Response back from the server that we are attempting to work with in our solution. Fiddler is able to see these conversations and collect data around this type of information. It provides the ability to troubleshoot and/or deb ug web traffic scenarios.

NOTE W3.ORG provides a listing of HTTP Request and Response Codes: https://www.w3.org/Protocols/rfc2616/rfc2616-sec10.html

Here is a small example of a Fiddler Trace. In this snapshot, we can see two HTTPS requests. Fiddler captures this along wi th additional data. In this snapshot, we have a success with a 200 followed by a "Not Found" Status in the 404. Clicking on these items allows us to be able to discover eve n more information about the request .

132	200	HTTPS	wabi-us-central-a-primary-redirect.analysis.windows.net	/powerbi/resource/userPhoto/?huid=242058161
133	404	HTTPS	wabi-us-central-a-primary-redirect.analysis.windows.net	/powerbi/resource/userPhoto/?huid=242058161

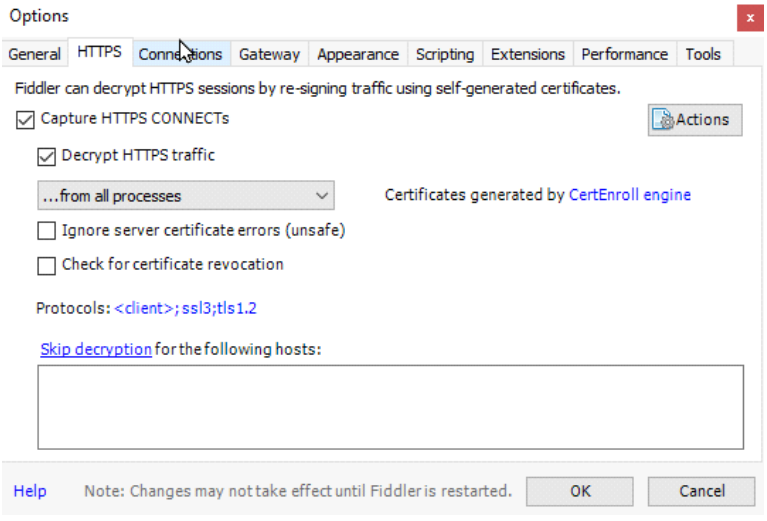
In our troubleshooting, a Fiddler Trace is going to provide assistance in troubleshooting and isolating the issue that we are currently experiencing. Provided below are the steps outlined for us to capture a Fiddler Trace while working with Power BI.

NOTE It is important to follow the outlined steps to capture the fiddler. If we do not follow the steps, we may not see Power BI traffic inside of the Fiddler Trace.

NOTE **How can you tell if the fiddler captured Power BI Traffic?**

1. You will see URLs that start with **wabi-us**, which will help identify the cluster that you are a part of
2. You will see the **Power BI Service URL** (app.powerbi.com)

1. Download, Install and Launch Fiddler (https://www.telerik.com/download/fiddler)
2. Launching Fiddler will automatically start to capture, so we are going to stop it so that we can configure Telerik Fiddler to capture our Power BI Data
   a. From the **File** menu, select **Capture Traffic** (this will stop fiddler from capturing)
   b. From the **Edit** Menu, select **Remove** and then **All Sessions** to clear the capture
   c. From the **Tools** Menu, select **Options** and then the **HTTPS** tab and select **Decrypt HTTPS Traffic -** *Be sure to say **Yes** to all Certificate Prompts*



3. Get the issue setup to reproduce

NOTE Since Fiddler tracks all HTTP/HTTPS traffic, it would be very beneficial to close all browser sessions and things that utiliz e the HTTP/HTTPS protocols. This will help to minimize the traffic

4. Now let's capture the issue
   a. Close all browser windows except for the one that we will use to reproduce the issue
   b. Close Outlook, because outlook does send http type traffic
   c. From the **File** menu, select **Capture Traffic** (this will start fiddler from capturing)

    d. Reproduce the problem
5. Now let's save the data
    a. From the **File** menu, select **Capture Traffic** (this will stop fiddler from capturing)
    b. From the **File** menu, select **Save** > **All Sessions**
        i. This will create a SAZ file
6. Now let's remove the certificates
    a. From the **Tools** Menu, select **Options** and then the **HTTPS** tab and un-check **Decrypt HTTPS Traffic**
    b. Click **Actions**, select **Remove Interception Certificates**
7. Compress and send the data – you can upload data to here