# Azure AD Ignite 2017 Goodies

## Azure AD Fiddler Extensions

### Install

1. If you don't have fiddler installed, download it from the Telerik website
2. Download the AzureADFiddlerRules.js file from
   https://github.com/ramical/Samples/blob/master/AzureADFiddlerRules/AzureADFiddlerRules.js
   And copy locally (for example c:\tools\AzureADFiddlerRules.js)
3. Add the rules in the rules.js file following the steps on the file
4. Save the rules.js file. Fiddler should give you an updated timestamp
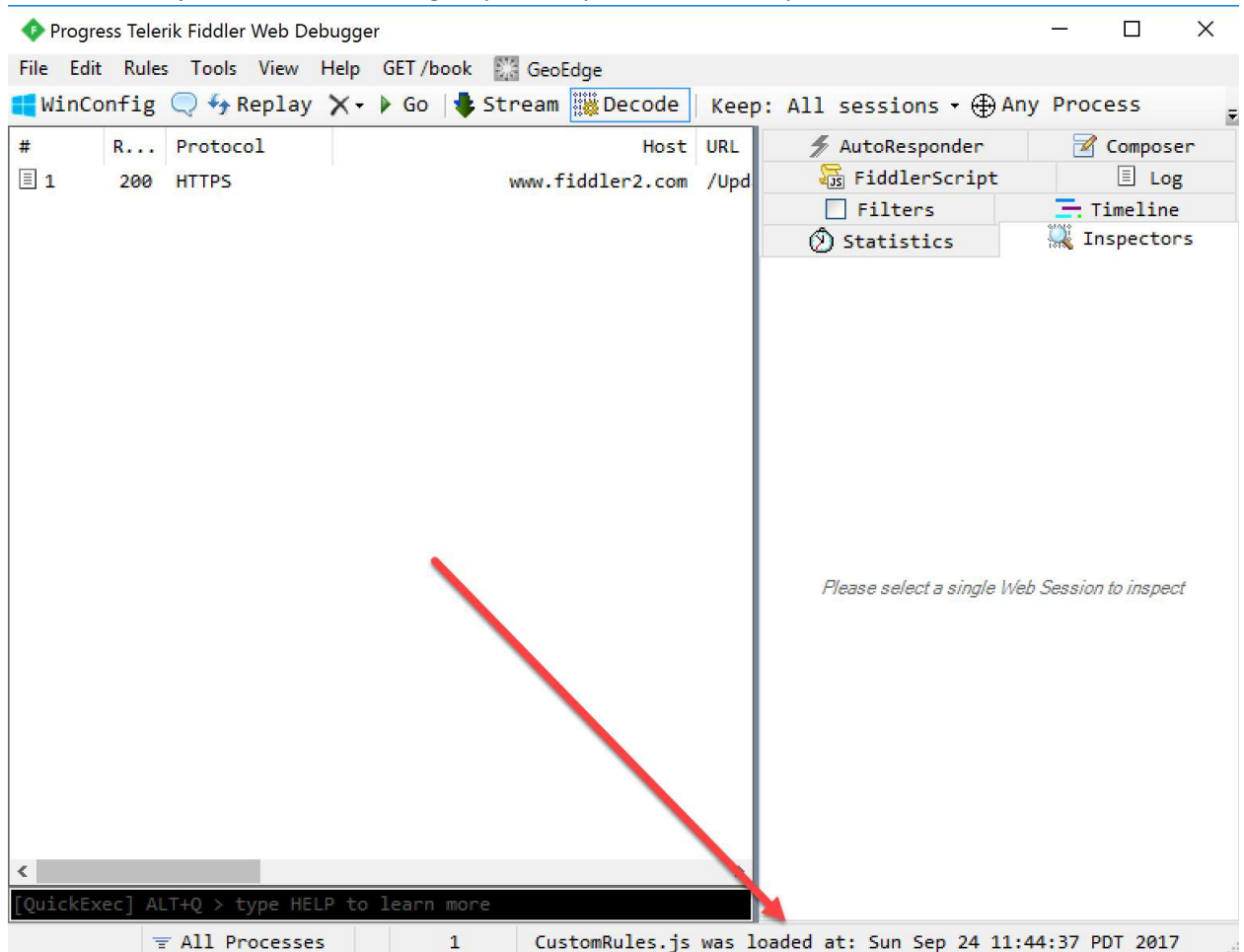


### Executing The rules

5. After saving the rules.js, a new "Azure AD Rules" menu will show up. Click on the rules to highlight and/or filter Azure AD Traffic.
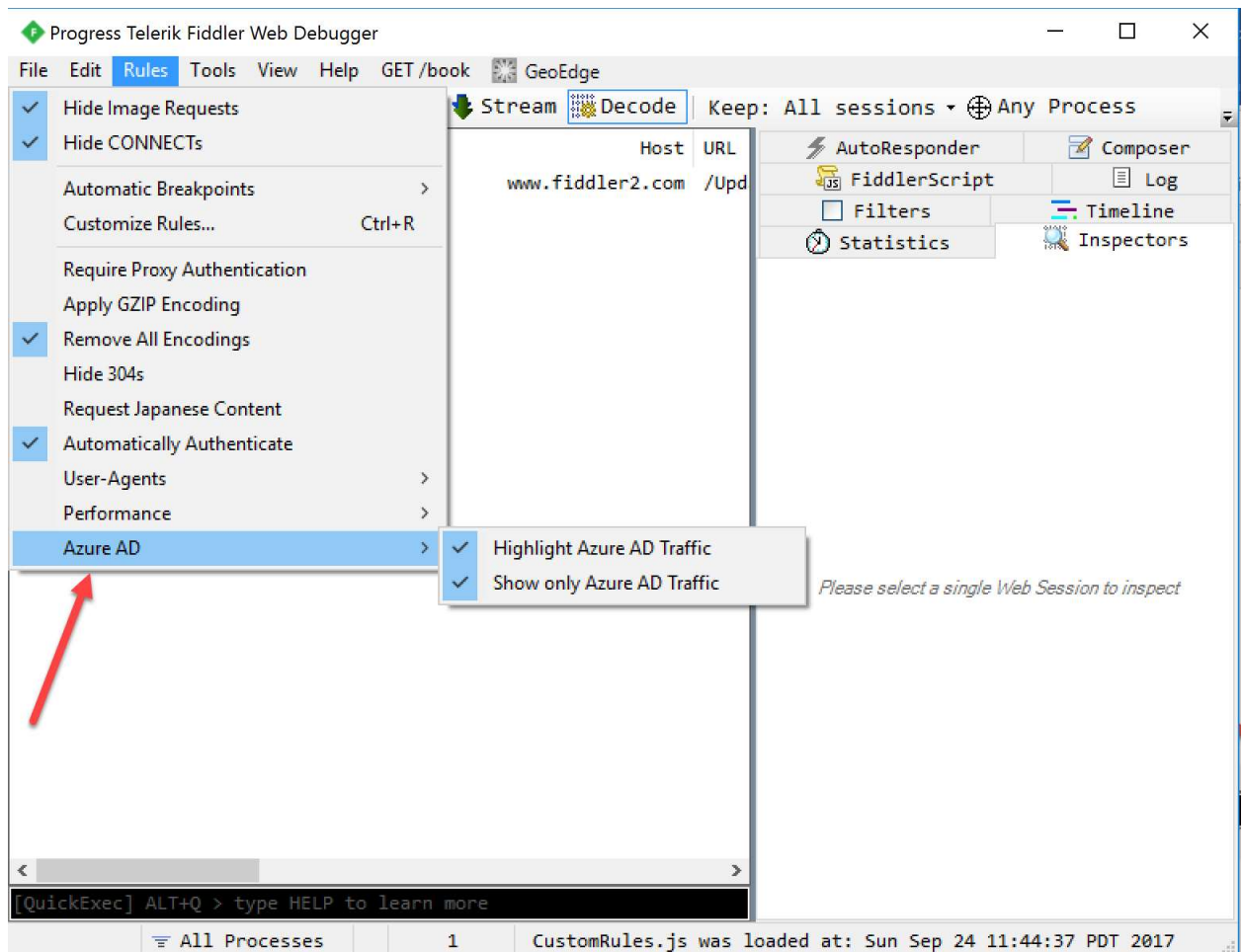
6. When the rules are in place, you can start running the flows in your browser. If you select the highlight traffic option, it will color-code the frames as follows:

- Orange: Request from an application to Azure AD
- Lavender: Requests to Azure AD. Usually follows an "Orange" frame
- Pink: Any request which "referrer" header is a Azure AD. This typically includes "interim" authentication steps
- Green: A frame that received an authentication response from Azure AD.

Below is an example
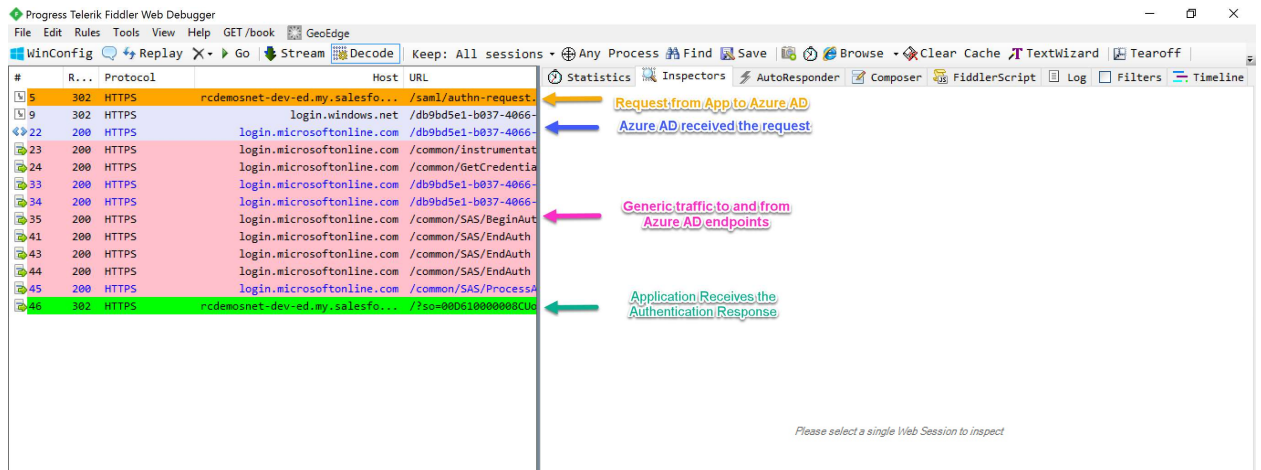
## Notepad++ plugins

7. Below were the plugins used. Download them from Notepad++ plugin manager:
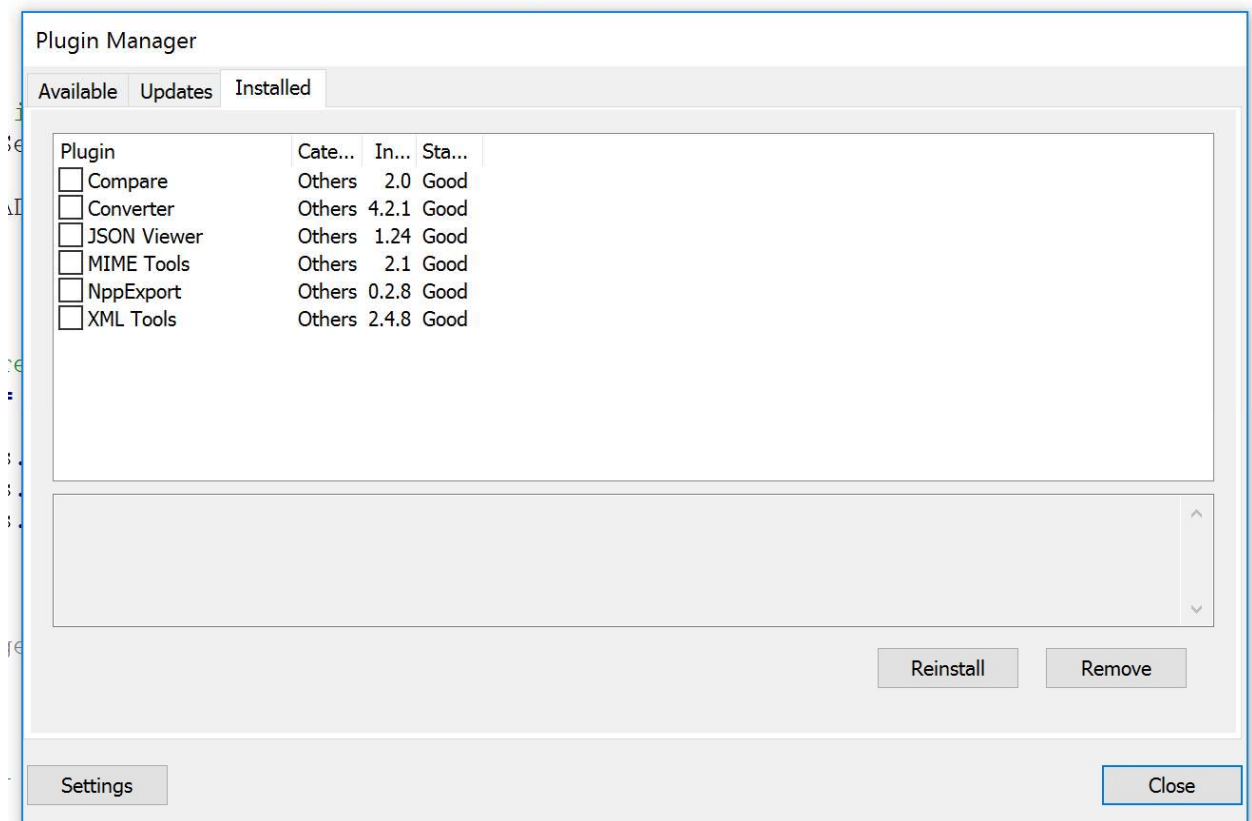


8. To "Pretty print" XML document, use plugin menu option below:

*new 2 - Notepad++

File  Edit  Search  View  Encoding  Language  Settings  Tools  Macro  Run  Plugins  Window  ?

Compare
Converter
JSON Viewer
MIME Tools
NppExport
Plugin Manager
XML Tools

new 1    new 2    AzureADFiddlerRules.js    __demo

```
7       <Issuer>https://sts.w                    e1-b037-4066-88b6-a901dd8eaf38/</Issuer>
8       <Signature xmlns="htt                     00/09/xmldsig#">
9           <SignedInfo>
10              <Canonicaliza                      thm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
11              <SignatureMet
12              <Reference URi= #_de1c24b4-aa
13                  <Transforms>
14                      <Transform Algorithm='
15                      <Transform Algorithm='
16                  </Transforms>
17                  <DigestMethod Algorithm="
18                  <DigestValue>1RqMy35Gn2y2E
19              </Reference>
20          </SignedInfo>
21          <SignatureValue>fWE/VKGbqfim6upHVH
22          <KeyInfo>
23              <X509Data>
24                  <X509Certificate>MIIC8DCCA
25              </X509Data>
26          </KeyInfo>
27      </Signature>
28      <Subject>
29          <NameID Format="urn:oasis:names:tc
30          <SubjectConfirmation Method="urn:o
31              <SubjectConfirmationData InRes
32          </SubjectConfirmation>
33      </Subject>
34      <Conditions NotBefore="2017-09-24T15:2
35          <AudienceRestriction>
36              <Audience>https://rcdemosnet-c
37          </AudienceRestriction>
38      </Conditions>
39      <AttributeStatement>
40          <Attribute Name="http://schemas.mi
41              <AttributeValue>db9bd5e1-b037-4066-88b6-a901dd8ea538</AttributeValue>
```

✓ Enable XML syntax auto-check
  Check XML syntax now
  Enable auto-validation
  Validate now                          Ctrl+Alt+Shift+M
✓ Tag auto-close
✓ Set XML type automatically
✓ Prevent XXE

  Pretty print (XML only)
  Pretty print (XML only - with line breaks)    Ctrl+Alt+Shift+B
  Pretty print (Text indent)
  Pretty print (libXML) [experimental]
  Pretty print (attributes)             Ctrl+Alt+Shift+A
  Linarize XML                          Ctrl+Alt+Shift+L
  Apply to all open files

  Current XML Path                      Ctrl+Alt+Shift+P
  Evaluate XPath expression

  XSL Transformation

  Convert selection XML to text (<> => &lt;&gt;)
  Convert selection text to XML (&lt;&gt; => <>)

  Comment selection                     Ctrl+Alt+Shift+C
  Uncomment selection                   Ctrl+Alt+Shift+R

✓ Check for plugin updates on startup
  Options...
  About XML Tools