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Date	2015/07/ 16	SR#	1-2120400708
Category	■FAQ □SOP	Related OS	N/A
Abstract	IAG_FAQ_HTML5, Java & REST Support Among ADAM-60XX_6200 & WISE Series		
Keyword	ADAM, HTML, HTML5, REST, Java Script		
Related Product	ADAM-60XX(BE&CE) & ADAM-6200		

■ **Problem Description:**

This document explains a common question regarding the SPEC support of HTML/HTML5, Java Applet/Java Script and REST among ADAM-60XX(BE & CE), ADAM-6200 and WISE Series products.

■ **Brief Solution - Step by Step:**

	ADAM-6000-BE	**ADAM-6000-CE**	**ADAM-6200**
HTML/Java Applet	Yes	Yes	No
HTML5/Java Script	No	Yes	Yes
RESTful API HTTP Methods	No	Yes	Yes

First, HTML5 on its own cannot be used for animation and interactivity, it must be supplemented with JavaScript, which is why we can see plenty of JavaScript within the default HTML5 page among ADAM-6000-CE and ADAM-6200 series.

In comparison to default HTML page of ADAM-6000-BE series, you will simply saw an JAR(i.e. Java Applet - a fully contained program) being launched from BE module, because Java Applet did it all.

Both(Java Applet or Java Script) will create great web page events. Both can offer interaction between the user and your Web page. But they are not created equally by any means.

Note: You may also have a look link below for better understanding about the difference between Java Applet and Java Script
http://www.htmlgoodies.com/beyond/javascript/article.php/3470971/Java-vs-JavaScript.htm

Now, although the default HTML5 web page of ADAM-6000-CE and ADAM-6200 series is mainly formulated by using JavaScript, the JavaScript also apply RESTful API HTTP methods for

querying AIO/DIO information from ADAM-Module.

So, RESTful API HTTP methods is acting like a tool (HTTP based) which used by JavaScript on HTML5 for querying AIO/DIO information from ADAM-Module.

Basically, a REST call is simply an HTTP request to the server(i.e. such as ADAM) and being defined with following aspects:

- Base URI, such as http://example.com/resources/
- Standard HTTP methods (e.g., GET, PUT, POST, or DELETE)

This kind of RESTful style methods look exactly identical to what we defined at the user manual, such as http://10.0.0.1/analoginput/0/value

RESTful API HTTP methods

Resource	GET	PUT	POST	DELETE
Collection URI, such as `http://example.com/resources`	**List** the URIs and perhaps other details of the collection's members.	**Replace** the entire collection with another collection.	**Create** a new entry in the collection. The new entry's URI is assigned automatically and is usually returned by the operation.	**Delete** the entire collection.
Element URI, such as `http://example.com/resources/item17`	**Retrieve** a representation of the addressed member of the collection, expressed in an appropriate Internet media type.	**Replace** the addressed member of the collection, or if it doesn't exist, **create** it.	Not generally used. Treat the addressed member as a collection in its own right and **create** a new entry in it.[citation needed]	**Delete** the addressed member of the collection.

So, JavaScript is just one type of language we use on HTML5 web page, at the same time, apply RESTful API via HTTP protocol for querying AIO/DIO information from ADAM-Module.

On the other hand, REST Methods can also be applied by different language and NOT necessarily based on HTML5 as well (since REST call is simply an HTTP request to the server). For instance, the sample code(i.e. ADAM-6200-REST) we provided from Class Library is basically developed by using C#/VB with REST, in which case, it is not being applied based on HTML5.