

## Smuxi - Feature # 814: HTTP/REST/JSON Web API

<b>Status:</b>	New	<b>Priority:</b>	Normal
<b>Author:</b>	Mirco Bauer	<b>Category:</b>	Engine
<b>Created:</b>	02/26/2013	<b>Assigned to:</b>	Mirco Bauer
<b>Updated:</b>	09/14/2015	<b>Due date:</b>	
<b>Complexity:</b>	High		
<b>Subject:</b>	HTTP/REST/JSON Web API		
<b>Description:</b>	<p>Smuxi needs to replace the .NET Remoting API with a Web API as .NET Remoting is deprecated , is not supported on mobile .NET platforms (like MonoDroid and MonoTouch) and limits frontends to a .NET based or enabled programming language. For this reason a modern and cross-language web API is needed that makes use of current web standards like HTTP, REST and JSON.</p> <p>ServiceStack and SignalR are candidates to reach this goal.</p> <p>A playground which interfaces this web API needs to provide can found here: <a href="https://live.gnome.org/Smuxi/Protocol/Zero">https://live.gnome.org/Smuxi/Protocol/Zero</a></p>		

### History

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**05/14/2015 09:16 AM - Mirco Bauer**

- Target version set to 1.1

**07/05/2015 12:00 PM - Mirco Bauer**

For push notifications WebSockets are also a candidate.

C# WebSockets client+server implementation licensed under MIT:

<https://github.com/sta/websocket-sharp>

**07/21/2015 05:32 PM - Mirco Bauer**

The issue of no message IDs should be addressed before this. This is critical for querying the engine for older messages in a reliable way:

[https://github.com/meebey/smuxi/commits/experiments/message\\_buffer\\_timestamps](https://github.com/meebey/smuxi/commits/experiments/message_buffer_timestamps)

**09/14/2015 06:34 PM - Mirco Bauer**

Some API drafting:

<https://public.pad.fsfe.org/p/smuxi-rest>