

Mimic

User's Guide

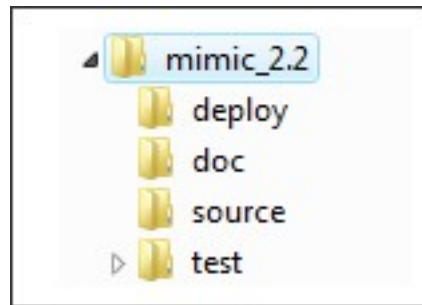
1. Introduction

Mimic is an open source XML-RPC client implemented in JavaScript. It was classified as client, because it is only able to produce requests and parse responses, so you cannot use it to parse requests and produce responses as required for a server implementation.

It is intended to be embedded inside web pages and enable them to access web services based on XML-RPC through the W3C **XMLHttpRequest** interface.

2. Package Content

When you extract the contents of the package **mimic_{version}.zip** you must see a structure like showed bellow:



Content	Description
deploy	Compressed script for deployment.
docs	Manuals and documentation.
source	Source scripts.
test	Tests.

3. Install

To install Mimic in your applications you only have to:

- create a folder named **mimic** in your application;
- extract **mimic_{version}.zip** contents to a folder outside your application structure;
- open the folder **deploy***;
- copy all contents to the **mimic** folder in your application;
- in any page you want to use mimic, insert in its header the markup:

```
<script src="mimic/mimic.js"> </script>
```

* If you want to debug Mimic under development environment it is recommended to copy the contents inside the **source** folder to your application.

4. How to Use

It is very simple to use Mimic, you only have to produce a request and then process the response. To do it you only have to use two small objects.

The object **XmlRpcRequest** is used to define the remote method that you want to call, and the parameters you want to pass:

Member	Description
serviceUrl	Defines the server URL where the remote method exists.
methodName	Define the name of the remote method to call.
crossDomain	Define cross domain request (requires XHR Level 2 + CORS on server side).
withCredentials	Send any user credentials (usually cookies) with the request (requires XHR Level 2)
params	An array that holds all method parameters.
headers	A map that hold all request headers.
addParam	Method used to add a new parameter to the request.
clearParams	Method used to clear params.
setHeader	Define HTTP header value.
send	Post your request and return a XmlRpcResponse object.
marshal	Method used internally to marshal JavaScript data.

It is important to note that you can pass virtually any object do *addParam*:

- Literal objects :
 - "String literal";
 - 2000;
 - true;
 - {name:value};
 - [1,2,3].

- Explicit objects constructed over operator **new**:
 - Core JavaScript objects **Array**, **Boolean**, **Number**, **Date** and **String**;
 - Custom object **Base64**, provided by Mimic.

The second object **XmlRpcResponse** is used to retrieve the server-side response and transform it back to JavaScript:

Member	Description
xmlData	Holds the XML document passed back from server.
faultValue	Indicate if the response is a fault.
currentIsName	Used internally to check possible property parameter.
propertyName	Used internally to hold possible properties' name
params	Array that holds JavaScript objects parsed form xmlData
parseXML	Parse the xmlData to JavaScript and store it on params
unmarshal	Used internally to unmarshal XML-RPC data.

5. Demo

<http://mimic-xmlrpc.sourceforge.net/>