

# jsxmlrpc

accessing XMLRPC via Javascript

# webservices

# webservices

web = http + (xml) markup

# webservices

web = http + (xml) markup

services = whatever

# webservices

- SOAP
- XML-RPC
- JSON
- Selbstgestrickt

# Motivation



# Web

(Click on the plain text column headers to sort)

**Submitted**

Sel	Order Num	S	Ref	Date	Serial
<input type="checkbox"/>	<a href="#">43640</a>	1	43640	14Jun2000	<a href="#">GJI67GSGF</a>
<input type="checkbox"/>	<a href="#">43949</a>	1	43949	14Jun2000	<a href="#">GIRE562943DF</a>
<input type="checkbox"/>	<a href="#">43928</a>	1	43928	14Jun2000	<a href="#">GJWOIER2347234WF</a>
<input type="checkbox"/>	<a href="#">43894</a>	1	43894	14Jun2000	<a href="#">5478BSDNUR5</a>
<input type="checkbox"/>	<a href="#">43870</a>	1	43870	14Jun2000	<a href="#">OENVI237s78d</a>
<input type="checkbox"/>	<a href="#">43810</a>	1	43810	14Jun2000	<a href="#">KKGOEM52905S</a>
<input type="checkbox"/>	<a href="#">43727</a>	1	43727	14Jun2000	<a href="#">GGFD69234DG</a>
<input type="checkbox"/>	<a href="#">43794</a>	1	43794	12Jun2000	<a href="#">GJJGI28985GF</a>
<input type="checkbox"/>	<a href="#">43598*</a>	1	43598	02Jun2000	<a href="#">839GJWHFJ53</a>

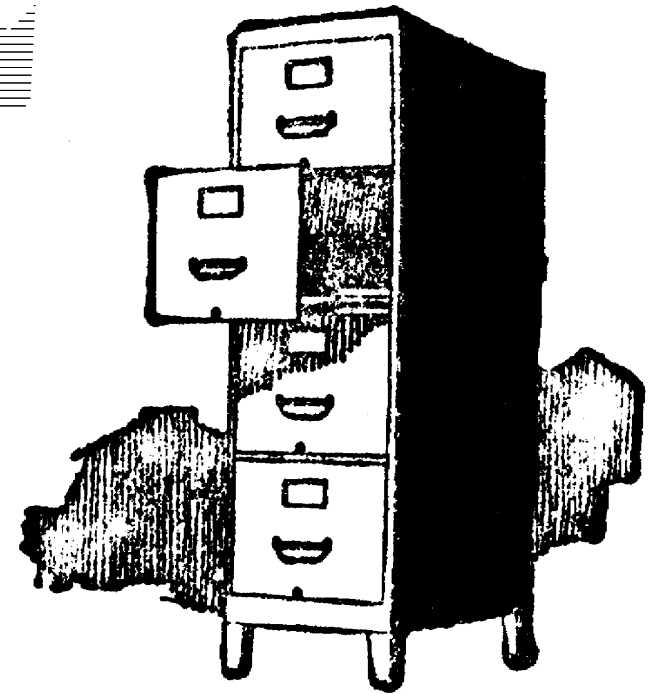
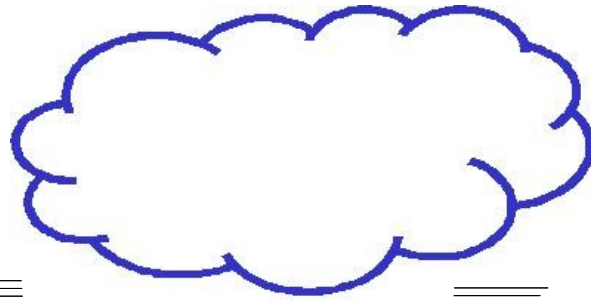
<u>Name</u>	<u>ID</u>	<u>Bonus</u>
John Doe	12345	\$500.00
Mary Doe	111	\$765.43
James Baker	555	\$0.99

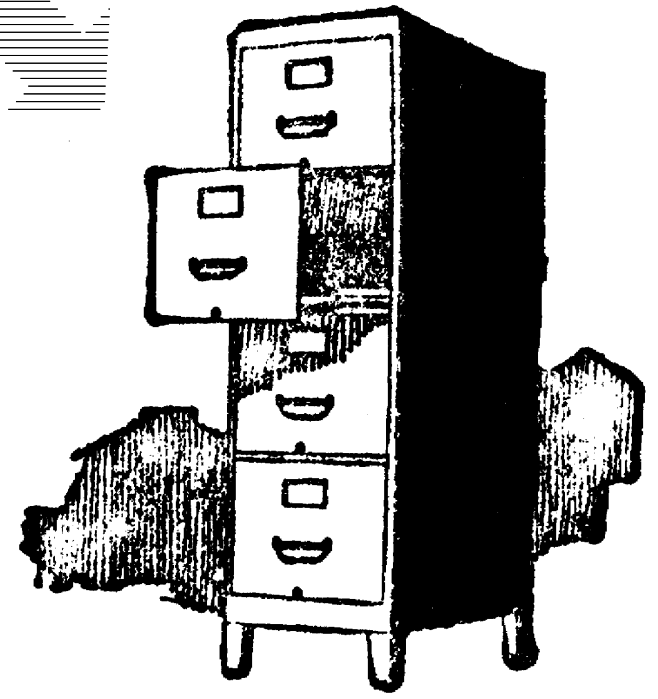
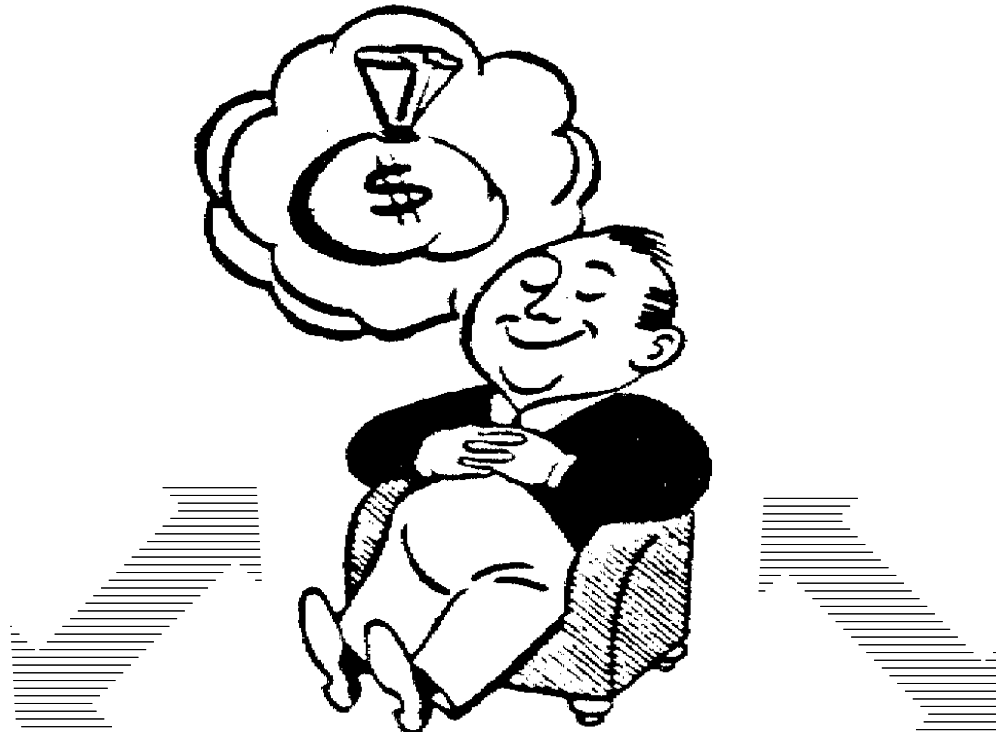
Done Adblock

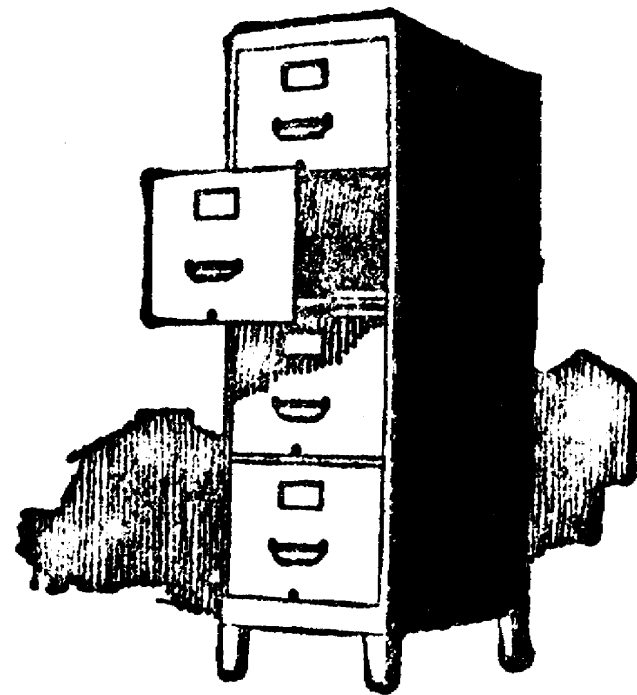
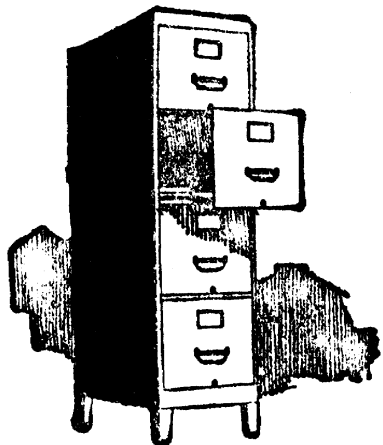
tim.becker@gmx.net -- jsxmlrpc

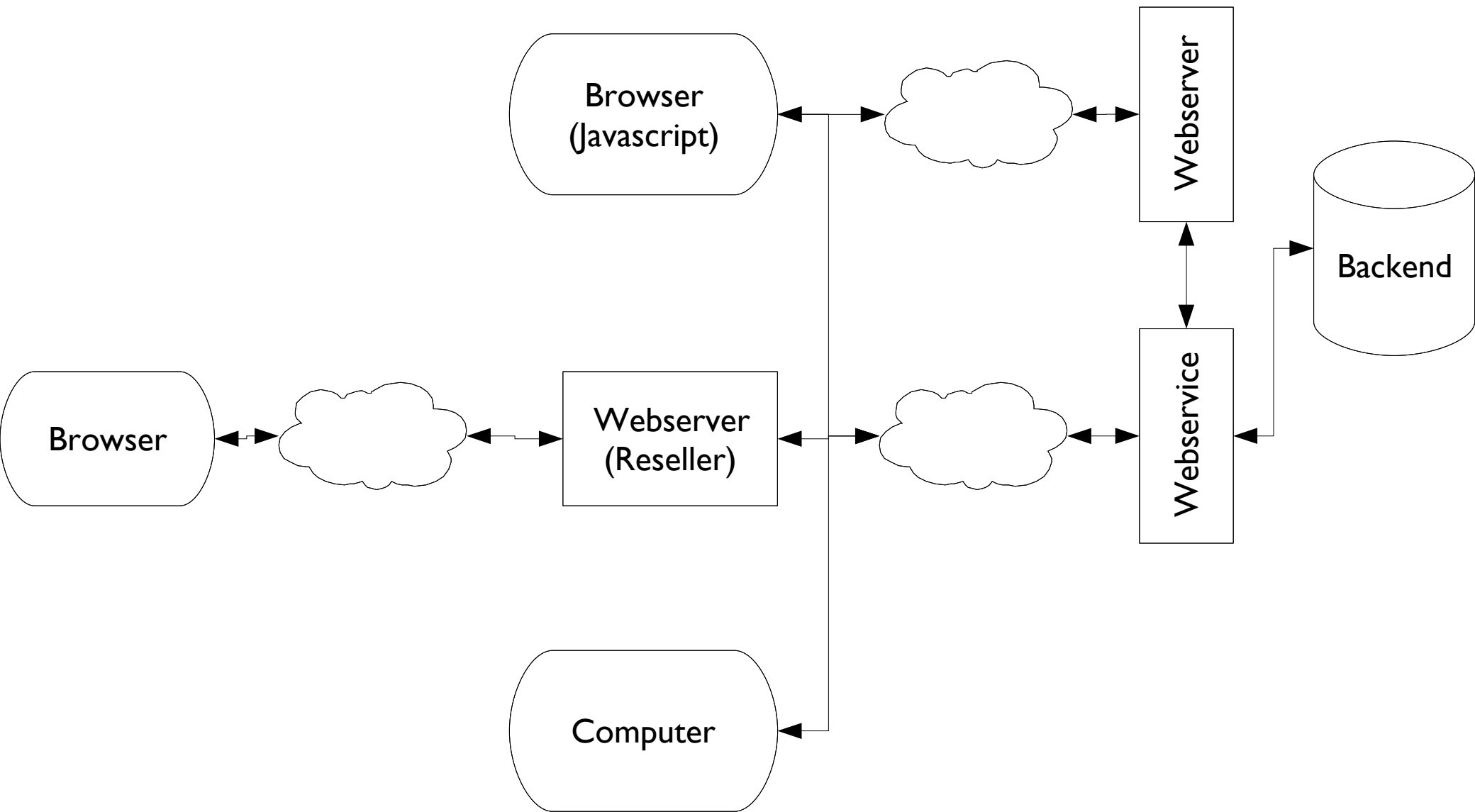


# Web









# XML-RPC

```
POST /RPC2 HTTP/1.0
User-Agent: Frontier/5.1.2 (WinNT)
Host: betty.userland.com
Content-Type: text/xml
Content-length: 181
```

```
<?xml version="1.0"?>
<methodCall>
  <methodName>examples.getStateName</methodName>
  <params>
    <param>
      <value>
        <i4>41</i4>
      </value>
    </param>
  </params>
</methodCall>
```

# XML-RPC

```
HTTP/1.1 200 OK
Connection: close
Content-Length: 158
Content-Type: text/xml
Date: Fri, 17 Jul 1998 19:55:08 GMT
Server: UserLand Frontier/5.1.2-WinNT
```

```
<?xml version="1.0"?>
<methodResponse>
  <params>
    <param>
      <value>
        <string>South Dakota</string>
      </value>
    </param>
  </params>
</methodResponse>
```

# XML-RPC Typen

Tag	Type	Example
<code>&lt;i4&gt;</code> or <code>&lt;int&gt;</code>	four-byte signed integer	-12
<code>&lt;boolean&gt;</code>	0 (false) or 1 (true)	1
<code>&lt;string&gt;</code>	string	hello world
<code>&lt;double&gt;</code>	double-precision signed floating point number	-12.214
<code>&lt;dateTime.iso8601&gt;</code>	date/time	19980717T14:08:55
<code>&lt;base64&gt;</code>	base64-encoded binary	eW91IGNhbid0IHJlYWQgdGhp cyE=

# XML-RPC Typen

```
<struct>
  <member>
    <name>lowerBound</name>
    <value><i4>18</i4></value>
  </member>
  <member>
    <name>upperBound</name>
    <value><i4>139</i4></value>
  </member>
</struct>
```



# XML-RPC Typen

```
<array>
  <data>
    <value><i4>12</i4></value>
    <value><string>Egypt</string></value>
    <value><boolean>0</boolean></value>
    <value><i4>-31</i4></value>
  </data>
</array>
```

# XML-RPC Typen

```
<methodResponse>
<fault>
  <value>
    <struct><member>
      <name>faultCode</name>
      <value><int>4</int></value>
    </member><member>
      <name>faultString</name>
      <value><string>Too many parameters.</string></value>
    </member>
  </struct>
</value>
</fault>
</methodResponse>
```

# XML-RPC

## Introspection

`system.listMethods`

`system.methodSignature`

`system.methodHelp`

# XML-RPC

## Beispiel

# XML-RPC Links

## **XML-RPC:**

<http://www.xmlrpc.com/spec>

## **Introspection:**

<http://scripts.incutio.com/xmlrpc/introspection.html>

## **jsxmllrpc:**

<http://www.kuriositaet.de/javascript/jsxmllrpc.html>

# Danke! Fragen?