

Webshell

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Smart, Scripted HTTP

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ConFoo

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Assumptions

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- You know what HTTP is

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- You have **some** understanding of how HTTP works
 - (verbs, status codes, requests, responses)

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Assumptions

- You know what HTTP is
- You have **some** understanding of how HTTP works
 - (verbs, status codes, requests, responses)
- You have a cursory understanding of JS
- You care about any of this...

What?

What?

- cURL replacement
- REST(ish/ful/y)
- Scriptable and interactive
- Persistent

- node.js
- (like http-console)

- <https://github.com/fictivekin/webshell>

Why...

Why...

...not cURL?

Why...

...not cURL?

```
$ curl -s http://twitter.com/users/coates.json | \  
    sed -e 's/^.*"name":' -e 's/".*$//'  
Sean Coates
```

Why...

...not cURL?

```
$ curl -s http://twitter.com/users/coates.json | \  
    sed -e 's/^.*"name":' -e 's/".*$//'  
Sean Coates
```

Webshell:

```
http://localhost > GET http://twitter.com/users/coates.json  
HTTP 200 http://twitter.com/users/coates.json  
http://twitter.com > $_.json.name  
'Sean Coates'
```

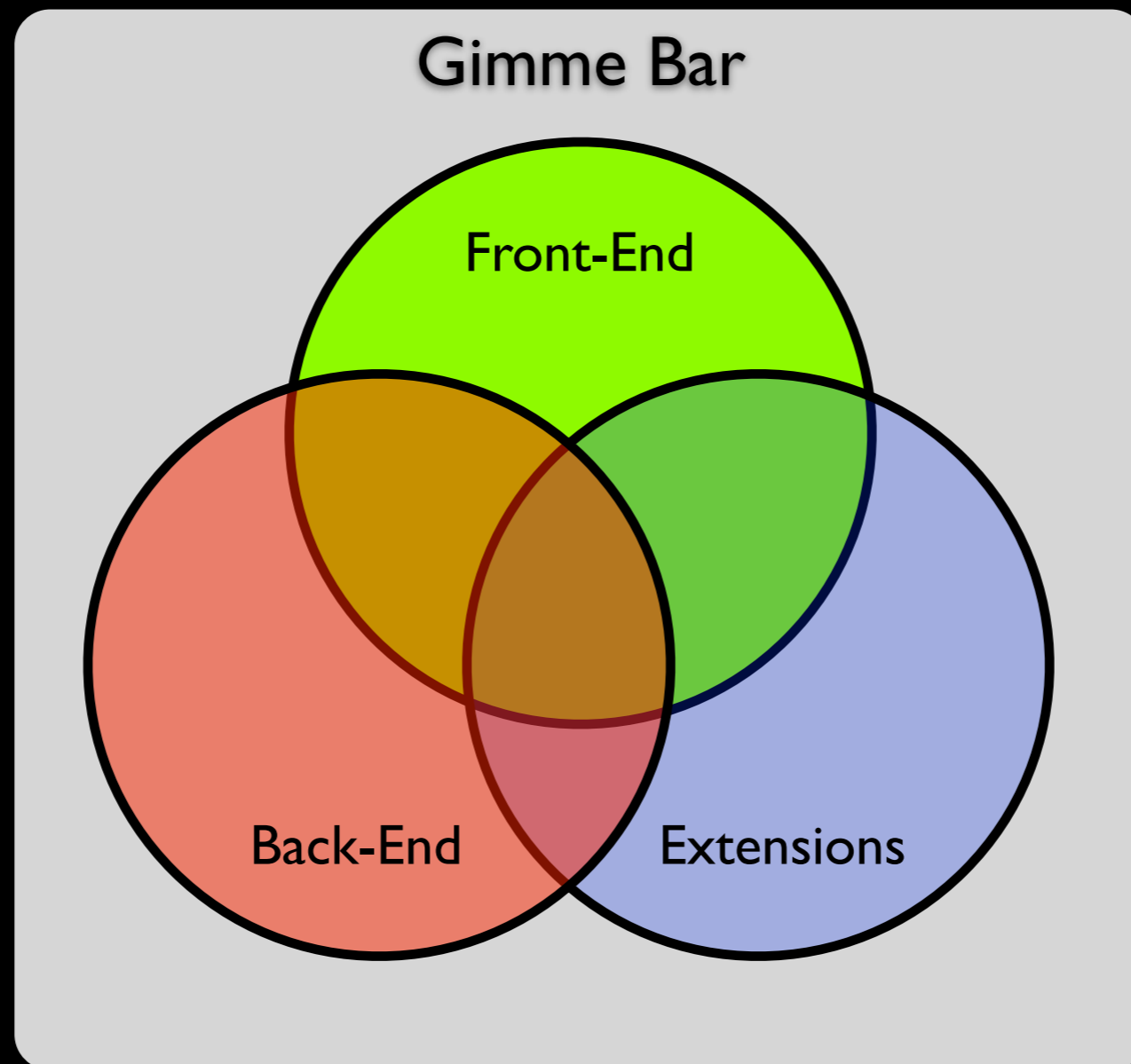
Why...

Why...

...JavaScript?

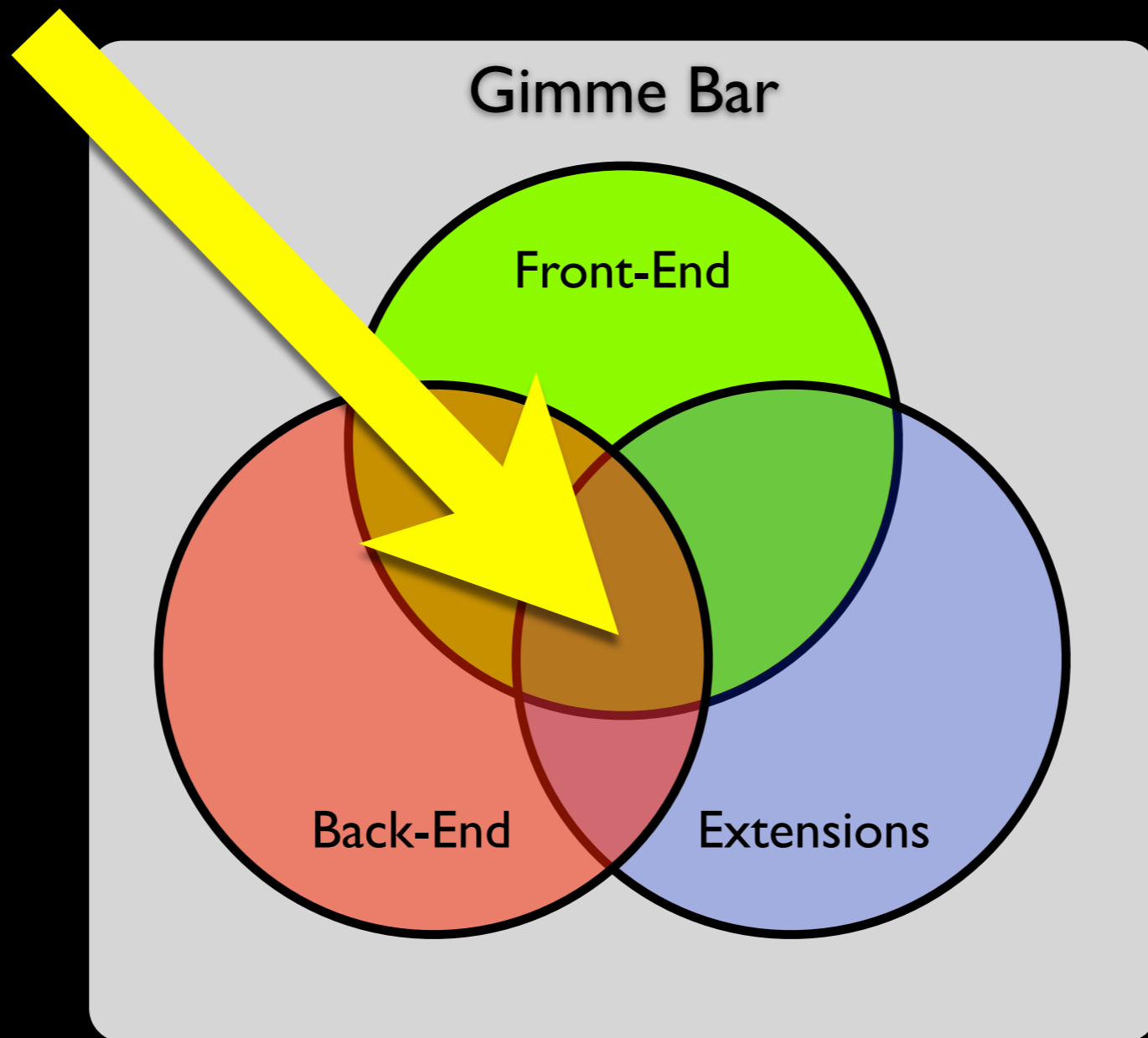
Why...

...JavaScript?



Why...

...JavaScript?



Why...

Why...

...node.js?

- good console “framework”
 - File operations
 - REPL + Readline
 - HTTP client
- non-blocking

Simple HTTP requests

```
http://localhost >
```

Simple HTTP requests

```
http://localhost > GET http://google.com/  
HTTP 301 http://google.com/  
http://google.com >
```

Simple HTTP requests

```
http://localhost > GET http://google.com/  
HTTP 301 http://google.com/
```

```
http://google.com > $_
```

Simple HTTP requests

```
http://localhost > GET http://google.com/  
HTTP 301 http://google.com/  
http://google.com > $_.headers  
{ location: 'http://www.google.com/'  
, 'content-type': 'text/html; charset=UTF-8'  
, date: 'Sat, 06 Nov 2010 17:38:56 GMT'  
, expires: 'Mon, 06 Dec 2010 17:38:56 GMT'  
, 'cache-control': 'public, max-age=2592000'  
, server: 'gws'  
, 'content-length': '219'  
, 'x-xss-protection': '1; mode=block'  
, connection: 'close'  
}  
http://google.com >
```


Simple HTTP requests

```
http://localhost > GET http://google.com/  
HTTP 301 http://google.com/  
http://google.com > $_.headers  
{ location: 'http://www.google.com/'  
, 'content-type': 'text/html; charset=UTF-8'  
, date: 'Sat, 06 Nov 2010 17:38:56 GMT'  
, expires: 'Mon, 06 Dec 2010 17:38:56 GMT'  
, 'cache-control': 'public, max-age=2592000'  
, server: 'gws'  
, 'content-length': '219'  
, 'x-xss-protection': '1; mode=block'  
, connection: 'close'  
}  
http://google.com >
```

Simple HTTP requests

```
http://google.com > $_.headers.location  
'http://www.google.com/'  
http://google.com >
```

Simple HTTP requests

```
http://google.com > $_.headers.location  
'http://www.google.com/'  
http://google.com > $_.follow()
```

Simple HTTP requests

```
http://google.com > $_.headers.location  
'http://www.google.com/'  
http://google.com > $_.follow()  
HTTP 302 http://www.google.com/  
http://www.google.com > $_.headers.location  
'http://www.google.ca/'  
http://www.google.com >
```

Simple HTTP requests

```
http://google.com > $_.headers.location  
'http://www.google.com/'  
http://google.com > $_.follow()  
HTTP 302 http://www.google.com/  
http://www.google.com > $_.headers.location  
'http://www.google.ca/'  
http://www.google.com > $_.follow()  
HTTP 200 http://www.google.ca/  
http://www.google.ca >
```

Simple HTTP requests

```
http://google.com > $_.headers.location
'http://www.google.com/'
http://google.com > $_.follow()
HTTP 302 http://www.google.com/
http://www.google.com > $_.headers.location
'http://www.google.ca/'
http://www.google.com > $_.follow()
HTTP 200 http://www.google.ca/
http://www.google.ca > $_.raw.substring(0, 50)
'<!doctype html><html><head><meta http-equiv="conte'
```

Relative Requests (sort of)

http://localhost >

Relative Requests (sort of)

```
http://localhost > GET http://files.seancoates.com/testjson.php  
HTTP 404 http://files.seancoates.com/testjson.php  
http://files.seancoates.com >
```


Relative Requests (sort of)

```
http://localhost > GET http://files.seancoates.com/testjson.php  
HTTP 404 http://files.seancoates.com/testjson.php  
http://files.seancoates.com >
```

Relative Requests (sort of)

```
http://localhost > GET http://files.seancoates.com/testjson.php  
HTTP 404 http://files.seancoates.com/testjson.php  
http://files.seancoates.com > // oops  
http://files.seancoates.com >
```

Relative Requests (sort of)

```
http://localhost > GET http://files.seancoates.com/testjson.php
HTTP 404 http://files.seancoates.com/testjson.php
http://files.seancoates.com > // oops
http://files.seancoates.com > GET /test_json.php
HTTP 200 http://files.seancoates.com/test_json.php
http://files.seancoates.com >
```

Relative Requests (sort of)

```
http://localhost > GET http://files.seancoates.com/testjson.php
HTTP 404 http://files.seancoates.com/testjson.php
http://files.seancoates.com > // oops
http://files.seancoates.com > GET /test_json.php
HTTP 200 http://files.seancoates.com/test_json.php
http://files.seancoates.com > $_.json
{ one: 1, two: 2, three: 3 }
```

JSON Processing

`http://localhost >`

JSON Processing

```
http://localhost > GET http://twitter.com/users/coates.json  
HTTP 200 http://twitter.com/users/coates.json  
http://twitter.com >
```

JSON Processing

```
http://localhost > GET http://twitter.com/users/coates.json  
HTTP 200 http://twitter.com/users/coates.json  
http://twitter.com > $_.json.name  
'Sean Coates'
```

JSON Processing

```
http://localhost > GET http://twitter.com/users/coates.json
HTTP 200 http://twitter.com/users/coates.json
http://twitter.com > $_.json.name
'Sean Coates'
http://twitter.com > $_.headers['content-type']
'application/json; charset=utf-8'
```


JSON Processing

```
http://localhost > GET http://twitter.com/users/coates.json
HTTP 200 http://twitter.com/users/coates.json
http://twitter.com > $_.json.name
'Sean Coates'
http://twitter.com > $_.headers['content-type']
'application/json; charset=utf-8'
```

Contexts

```
sarcasm:~/src/webshell (master)$
```

Contexts

```
sarcasm:~/src/webshell (master)$ node shell.js  
Loaded context: previous  
http://localhost >
```

Contexts

```
sarcasm:~/src/webshell (master)$ node shell.js  
Loaded context: _previous  
http://localhost >
```

Contexts

```
sarcasm:~/src/webshell (master)$ node shell.js  
Loaded context: _previous  
http://localhost > GET http://twitter.com/users/coates.json  
HTTP 200 http://twitter.com/users/coates.json  
http://twitter.com >
```

Contexts

```
sarcasm:~/src/webshell (master)$ node shell.js
Loaded context: _previous
http://localhost > GET http://twitter.com/users/coates.json
HTTP 200 http://twitter.com/users/coates.json
http://twitter.com > $_.saveContext("twitter-coates")
Saved context: twitter-coates
http://twitter.com > ^D
Saved context: _previous
```

Contexts

Time passes.

You use Webshell

for other things...

Contexts

```
sarcasm:~/src/webshell (master)$
```


Contexts

```
sarcasm:~/src/webshell (master)$ node shell.js  
Loaded context: _previous  
http://localhost > $_.json //empty  
http://localhost >
```

Contexts

```
sarcasm:~/src/webshell (master)$ node shell.js
Loaded context: _previous
http://localhost > $_.json //empty
http://localhost > $_.loadContext("twitter-coates")
Loaded context: twitter-coates
http://twitter.com >
```

Contexts

```
sarcasm:~/src/webshell (master)$ node shell.js
Loaded context: _previous
http://localhost > $_.json //empty
http://localhost > $_.loadContext("twitter-coates")
Loaded context: twitter-coates
http://twitter.com > $_.json.name
'Sean Coates'
```

HTTP Auth

`http://twitter.com >`

HTTP Auth (sorry for the line breaks)

```
http://twitter.com > GET http://coates:notpass@twitter.com/  
users/coates.json
```

HTTP Auth (sorry for the line breaks)

```
http://twitter.com > GET http://coates:notpass@twitter.com/  
users/coates.json  
HTTP 401 http://coates:***@twitter.com/users/coates.json  
http://coates:***@twitter.com >
```

HTTP Auth (sorry for the line breaks)

```
http://twitter.com > GET http://coates:notpass@twitter.com/  
users/coates.json  
HTTP 401 http://coates:***@twitter.com/users/coates.json  
http://coates:***@twitter.com > GET http://  
coates:real@twitter.com/users/coates.json
```

HTTP Auth (sorry for the line breaks)

```
http://twitter.com > GET http://coates:notpass@twitter.com/
users/coates.json
HTTP 401 http://coates:***@twitter.com/users/coates.json
http://coates:***@twitter.com > GET http://
coates:real@twitter.com/users/coates.json
HTTP 200 http://coates:***@twitter.com/users/coates.json
http://coates:***@twitter.com >
```


HTTP Auth (sorry for the line breaks)

```
http://twitter.com > GET http://coates:notpass@twitter.com/
users/coates.json
HTTP 401 http://coates:***@twitter.com/users/coates.json
http://coates:***@twitter.com > GET http://
coates:real@twitter.com/users/coates.json
HTTP 200 http://coates:***@twitter.com/users/coates.json
http://coates:***@twitter.com > GET http://twitter.com/
statuses/replies.json
HTTP 200 http://coates:***@twitter.com/statuses/replies.json
http://coates:***@twitter.com >
```

HTTP Auth (sorry for the line breaks)

```
http://twitter.com > GET http://coates:notpass@twitter.com/
users/coates.json
HTTP 401 http://coates:***@twitter.com/users/coates.json
http://coates:***@twitter.com > GET http://
coates:real@twitter.com/users/coates.json
HTTP 200 http://coates:***@twitter.com/users/coates.json
http://coates:***@twitter.com > GET http://twitter.com/
statuses/replies.json
HTTP 200 http://coates:***@twitter.com/statuses/replies.json
http://coates:***@twitter.com > $_.json[0].in_reply_to_
screen_name
'coates'
```

Cookies

http://localhost >

Cookies (unless `$_useCookies` is set to false)

`http://localhost >`

Cookies (unless `$_useCookies` is set to false)

```
http://localhost > GET http://files.seancoates.com/  
cookiecounter.php  
HTTP 200 http://files.seancoates.com/cookiecounter.php  
http://files.seancoates.com >
```

Cookies (unless `$_useCookies` is set to false)

```
http://localhost > GET http://files.seancoates.com/
cookiecounter.php
HTTP 200 http://files.seancoates.com/cookiecounter.php
http://files.seancoates.com > $_.raw
'You have visited this page 1 times.'
http://files.seancoates.com >
```

Cookies (unless `$_useCookies` is set to false)

```
http://localhost > GET http://files.seancoates.com/
cookiecounter.php
HTTP 200 http://files.seancoates.com/cookiecounter.php
http://files.seancoates.com > $_.raw
'You have visited this page 1 times.'
http://files.seancoates.com > GET http://files.seancoates.com/
cookiecounter.php
HTTP 200 http://files.seancoates.com/cookiecounter.php
http://files.seancoates.com > $_.raw
'You have visited this page 2 times.'
http://files.seancoates.com >
```

Cookies (unless `$_useCookies` is set to false)

```
http://localhost > GET http://files.seancoates.com/
cookiecounter.php
HTTP 200 http://files.seancoates.com/cookiecounter.php
http://files.seancoates.com > $_.raw
'You have visited this page 1 times.'
http://files.seancoates.com > GET http://files.seancoates.com/
cookiecounter.php
HTTP 200 http://files.seancoates.com/cookiecounter.php
http://files.seancoates.com > $_.raw
'You have visited this page 2 times.'
http://files.seancoates.com > GET http://files.seancoates.com/
cookiecounter.php
HTTP 200 http://files.seancoates.com/cookiecounter.php
http://files.seancoates.com > GET http://files.seancoates.com/
cookiecounter.php
HTTP 200 http://files.seancoates.com/cookiecounter.php
http://files.seancoates.com > GET http://files.seancoates.com/
cookiecounter.php
HTTP 200 http://files.seancoates.com/cookiecounter.php
http://files.seancoates.com > $_.raw
'You have visited this page 5 times.'
```


HTTP Verbs

http://localhost >

HTTP Verbs

```
http://localhost > GET http://localhost/json.php?one=1&two=2
HTTP 200 http://localhost/json.php
http://localhost > $_.json.get
{ one: '1', two: '2' }
http://localhost > $_.json.server.REQUEST_METHOD
'GET'
http://localhost >
```

HTTP Verbs

```
http://localhost > GET http://localhost/json.php?one=1&two=2
HTTP 200 http://localhost/json.php
http://localhost > $_.json.get
{ one: '1', two: '2' }
http://localhost > $_.json.server.REQUEST_METHOD
'GET'
http://localhost > $_.requestData = {three:3, four:4}
{ three: 3, four: 4 }
http://localhost >
```

HTTP Verbs

```
http://localhost > GET http://localhost/json.php?one=1&two=2
HTTP 200 http://localhost/json.php
http://localhost > $_.json.get
{ one: '1', two: '2' }
http://localhost > $_.json.server.REQUEST_METHOD
'GET'
http://localhost > $_.requestData = {three:3, four:4}
{ three: 3, four: 4 }
http://localhost > POST http://localhost/json.php?one=1&two=2
HTTP 200 http://localhost/json.php
http://localhost > $_.json.post
{ three: '3', four: '4' }
```

HTTP Verbs

```
http://localhost > GET http://localhost/json.php?one=1&two=2
HTTP 200 http://localhost/json.php
http://localhost > $_.json.get
{ one: '1', two: '2' }
http://localhost > $_.json.server.REQUEST_METHOD
'GET'
http://localhost > $_.requestData = {three:3, four:4}
{ three: 3, four: 4 }
http://localhost > POST http://localhost/json.php?one=1&two=2
HTTP 200 http://localhost/json.php
http://localhost > $_.json.post
{ three: '3', four: '4' }
```

HTTP Verbs

```
http://localhost > GET http://localhost/json.php?one=1&two=2
HTTP 200 http://localhost/json.php
http://localhost > $_.json.get
{ one: '1', two: '2' }
http://localhost > $_.json.server.REQUEST_METHOD
'GET'
http://localhost > $_.requestData = {three:3, four:4}
{ three: 3, four: 4 }
http://localhost > POST http://localhost/json.php?one=1&two=2
HTTP 200 http://localhost/json.php
http://localhost > $_.json.post
{ three: '3', four: '4' }
```

\$_postToRequestData
\$_fileToRequestData

HTTP Verbs

```
http://localhost > result = $_.get('http://fictivekin.com')
```

HTTP Verbs

```
http://localhost > result = $_.get('http://fictivekin.com')  
GET http://fictivekin.com  
HTTP 200 http://fictivekin.com/  
http://www.fictivekin.com >
```


HTTP Verbs

```
http://localhost > result = $_.get('http://fictivekin.com')
GET http://fictivekin.com/in.com
HTTP 200 http://fictivekin.com/
http://www.google.com > result2 = $_.get('http://
www.google.ca')
GET http://www.google.ca
HTTP 200 http://www.google.ca/
http://www.google.ca >
```

HTTP Verbs

```
http://localhost > result = $_.get('http://fictivekin.com')
GET http://fictivekin.comin.com
HTTP 200 http://fictivekin.com/
http://www.google.com > result2 = $_.get('http://
www.google.ca')
GET http://www.google.ca
HTTP 200 http://www.google.ca/
http://www.google.ca > result.headers['content-type']
'text/html'
http://www.google.ca > result2.headers['content-type']
'text/html; charset=ISO-8859-1'
```

HTTP Verbs

```
http://localhost > result = $_.get('http://fictivekin.com')
GET http://fictivekin.com
HTTP 200 http://fictivekin.com/
http://www.google.com > result2 = $_.get('http://
www.google.ca')
GET http://www.google.ca
HTTP 200 http://www.google.ca/
http://www.google.ca > result.headers['content-type']
'text/html'
http://www.google.ca > result2.headers['content-type']
'text/html; charset=ISO-8859-1'
```

HTTP Headers (inspect)

http://localhost >

HTTP Headers

```
http://localhost > GET http://localhost  
HTTP 200 http://localhost/  
http://localhost >
```

HTTP Headers

```
http://localhost > GET http://localhost
HTTP 200 http://localhost/
http://localhost > $_.requestHeaders
{ host: 'localhost'
  , 'user-agent': 'Webshell/0.1-dev node.js/v0.2.1'
  , accept: 'application/json, */*'
  , 'content-type': 'application/x-www-form-urlencoded'
}
http://localhost >
```

HTTP Headers

```
http://localhost > GET http://localhost
HTTP 200 http://localhost/
http://localhost > $_.requestHeaders
{ host: 'localhost'
, 'user-agent': 'Webshell/0.1-dev node.js/v0.2.1'
, accept: 'application/json, */*'
, 'content-type': 'application/x-www-form-urlencoded'
}
http://localhost > $_.headers
{ date: 'Sat, 06 Nov 2010 21:14:02 GMT'
, server: 'Apache/2.2.15 (Unix) PHP/5.3.3-dev mod_ssl/2.2.15
OpenSSL/0.9.8l'
, 'content-length': '3617'
, connection: 'close'
, 'content-type': 'text/html; charset=ISO-8859-1'
}
```

HTTP Headers (set)

```
http://localhost >
```


HTTP Headers

```
http://localhost > GET http://localhost:5984/  
HTTP 200 http://localhost:5984/  
http://localhost:5984 > $_.json  
{ couchdb: 'Welcome', version: '1.0.1' }  
http://localhost:5984 > $_.json.version  
'1.0.1'  
http://localhost:5984 >
```

HTTP Headers

```
http://localhost > GET http://localhost:5984/  
HTTP 200 http://localhost:5984/  
http://localhost:5984 > $_.json  
{ couchdb: 'Welcome', version: '1.0.1' }  
http://localhost:5984 > $_.json.version  
'1.0.1'  
http://localhost:5984 > $_.headers['content-type']  
'application/json'  
http://localhost:5984 > $_.requestHeaders.accept  
'application/json, */*'  
http://localhost:5984 >
```

HTTP Headers

```
http://localhost > GET http://localhost:5984/  
HTTP 200 http://localhost:5984/  
http://localhost:5984 > $_.json  
{ couchdb: 'Welcome', version: '1.0.1' }  
http://localhost:5984 > $_.json.version  
'1.0.1'  
http://localhost:5984 > $_.headers['content-type']  
'application/json'  
http://localhost:5984 > $_.requestHeaders.accept  
'application/json, */*'  
http://localhost:5984 > $_.requestHeaders.accept = '*/*' // not  
json explicitly  
'*/*'  
http://localhost:5984 > GET http://localhost:5984/  
HTTP 200 http://localhost:5984/  
http://localhost:5984 >
```

HTTP Headers

```
http://localhost > GET http://localhost:5984/
HTTP 200 http://localhost:5984/
http://localhost:5984 > $_.json
{ couchdb: 'Welcome', version: '1.0.1' }
http://localhost:5984 > $_.json.version
'1.0.1'
http://localhost:5984 > $_.headers['content-type']
'application/json'
http://localhost:5984 > $_.requestHeaders.accept
'application/json, */*'
http://localhost:5984 > $_.requestHeaders.accept = '*/*' // not
json explicitly
'*/*'
http://localhost:5984 > GET http://localhost:5984/
HTTP 200 http://localhost:5984/
http://localhost:5984 > $_.headers['content-type']
'text/plain;charset=utf-8'
http://localhost:5984 > $_.json
http://localhost:5984 > // no JSON )-:
```

Toolbox + Callbacks

```
http://localhost > $_toolbox
```

Toolbox + Callbacks

```
http://localhost > $.toolbox.lastTweet = function (username) {  
...   $.get('http://twitter.com/statuses/user_timeline' +  
username + '.json',  
...   function () { if ($.status == 200) {  
...     console.log("Last tweet: " + $.json[0].text)  
...   }});  
...   }  
[Function]
```

Toolbox + Callbacks

```
http://twitter.com > $_.toolbox.lastTweet('coates')  
HTTP 200 http://twitter.com/statuses/user_timeline/coates.json  
Last tweet: Doing a bunch of work on Webshell. Fixed some bugs,  
added relative URLs, and re-writing the docs. http://  
github.com/fictivekin/webshell  
http://twitter.com >
```

Toolbox + Callbacks

```
http://twitter.com > $_.toolbox.lastTweet('coates')
HTTP 200 http://twitter.com/statuses/user_timeline/coates.json
Last tweet: Doing a bunch of work on Webshell. Fixed some bugs,
added relative URLs, and re-writing the docs. http://
github.com/fictivekin/webshell
http://twitter.com > $_.toolbox.lastTweet('sirevanhaas')
HTTP 200 http://twitter.com/statuses/user_timeline/
sirevanhaas.json
Last tweet: If only Firefox extensions were as simple as
Chrome/Safari extensions
http://twitter.com >
```


Toolbox + Callbacks

```
http://twitter.com > $_.toolbox.lastTweet('coates')
HTTP 200 http://twitter.com/statuses/user_timeline/coates.json
Last tweet: Doing a bunch of work on Webshell. Fixed some bugs,
added relative URLs, and re-writing the docs. http://
github.com/fictivekin/webshell
http://twitter.com > $_.toolbox.lastTweet('sirevanhaas')
HTTP 200 http://twitter.com/statuses/user_timeline/
sirevanhaas.json
Last tweet: If only Firefox extensions were as simple as
Chrome/Safari extensions
http://twitter.com > $_.toolbox.lastTweet('userwhodoesntexist')
HTTP 404 http://twitter.com/statuses/user_timeline/
userwhodoesntexist.json
http://twitter.com >
```

Toolbox + Callbacks

```
http://localhost > $_.toolbox.prod_unapproved()  
HTTP 200 http://prod.gimmebar.vpn:5984/gimmebar/_design/  
InviteRequest/_view/by_unapproved  
Unapproved: 99  
http://prod.gimmebar.vpn:5984 >
```

HTML & DOM

```
webshell> GET http://fictivekin.com
```

HTML & DOM

```
webshell> GET http://fictivekin.com  
HTTP 200 http://fictivekin.com  
webshell>
```

HTML & DOM

```
webshell> GET http://fictivekin.com
```

```
HTTP 200 http://fictivekin.com
```

```
webshell> $_.document.getElementsByClassName('message').length
```

HTML & DOM

```
webshell> GET http://fictivekin.com  
HTTP 200 http://fictivekin.com  
webshell> $.document.getElementsByClassName('message').length  
8  
webshell>
```

HTML & DOM

```
webshell> GET http://fictivekin.com  
HTTP 200 http://fictivekin.com  
webshell> $_.document.getElementsByClassName('message').length  
8  
webshell> $_.document.getElementById('faq').innerHTML
```

HTML & DOM

```
webshell> GET http://fictivekin.com
HTTP 200 http://fictivekin.com
webshell> $_.document.getElementsByClassName('message').length
8
webshell> $_.document.getElementById('faq').innerHTML
'\n      <a href=\'\'>FAQ</a>\n      <h2>Frequently Asked
Questions</h2>\n'
```


HTML & DOM

HTML & DOM

- Needs envjs and libxmljs
- NOT stable
- See the envjs branch on Github

jQuery

```
webshell> GET http://fictivekin.com
```

jQuery

```
webshell> GET http://fictivekin.com  
HTTP 200 http://fictivekin.com  
webshell>
```

jQuery

```
webshell> GET http://fictivekin.com  
HTTP 200 http://fictivekin.com  
webshell> $('img').length
```

jQuery

```
webshell> GET http://fictivekin.com  
HTTP 200 http://fictivekin.com  
webshell> $('img').length  
4
```

jQuery

```
webshell> GET http://fictivekin.com
```

```
HTTP 200 http://fictivekin.com
```

```
webshell> $('img').length
```

```
4
```

```
webshell> $('img').each(function() { sys.puts($(this).attr  
( 'src' ) ); })
```

jQuery

```
webshell> GET http://fictivekin.com
```

```
HTTP 200 http://fictivekin.com
```

```
webshell> $('img').length
```

```
4
```

```
webshell> $('img').each(function() { console.log($(this).attr('src'));})
```

```
images/fk2_no.png
```

```
images/dot1.png
```

```
images/dot2.png
```

```
images/dot3.png
```


jQuery

jQuery

- Needs envjs and libxmljs
- NOT stable
- See the envjs branch on Github

Concurrency

Concurrency

- Node == powerful (story time)
- `$.requestConcurrency`
- Still a little flaky

Future?

Future?

- Broken on new versions of Node)-:
- First things are to get that in order, and do some cleanup

- More distant future:
 - Mongo?
 - Import browser cookies
 - Improve readline/UI

New name?

New name?

- Looking for a new name
- Too much noise on “web shell”
- We look like a security exploit)-:

Webshell

<https://github.com/fictivekin/webshell>

<http://joind.in/2805>

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