

Debug LWP

Debugging LWP applications all steps at the same time

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LWP::UserAgent

- WWW::Mechanize
- Test::WWW::Mechanize
- SOAP::Lite
- SOAP::Compile::WSDL
- REST::Client
- A bunch of others

probably not
WWW::Mechanize::Chrome

often used under the hood

debugging is hard

debug lwp::useragent



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About 58.300 results (0,38 seconds)

LWP::Debug - search.cpan.org

search.cpan.org/dist/libwww-perl/lib/LWP/Debug.pm ▼

LWP::Debug - deprecated ... LWP::Debug is used to provide tracing facilities, but these are not used by ... use LWP::UserAgent; \$ua = LWP::UserAgent->new; ...

Debugging LWP - PerlMonks

www.perlmonks.org/?node_id=529565 ▼

Feb 11, 2006 - 7 posts - 4 authors

my \$useragent = LWP::UserAgent->new(protocols_allowed => ["htt +ps"]); my \$request = POST("https://secure.mydomain.com/script.dll", ...

Re: LWP::UserAgent doesn't send my HTTP::Cookies (trace/debug ... 1 Jul 2016

Help with LWP & SSL 500 Internal response error 12 May 2015

SSL Certificate Verification problem, using LWP::UserAgent 2 Mar 2015

LWP is there any way to get "real" outgoing headers? 24 May 2014

More results from www.perlmonks.org

how to validate lwp::useragent request? - PerlMonks

www.perlmonks.org/bare/?node_id=464442 ▼

-does LWP::UserAgent always add certain headers to be sent? ... you can use LWP::DebugFile to debug your script and it allows you to see what your calls to ...

LWP::Debug - deprecated

Only describes some debugging stuff

A bunch of old posts

How to get headers?

by hand

```
my $res = $ua->get('http://example.org');  
warn $res->req->as_string;  
warn $res->as_string;
```

very tedious

half-automatic

```
$ua->add_handler("request_send", sub { shift->dump; return });  
$ua->add_handler("response_done", sub { shift->dump; return });  
  
$ua->get("http://www.example.com");
```

using advice from LWP::Debug

```
GET http://www.example.com
User-Agent: libwww-perl/6.19

(no content)
HTTP/1.1 200 OK
Cache-Control: max-age=604800
Connection: close
Date: Mon, 26 Jun 2017 11:09:04 GMT
ETag: "359670651+gzip+ident"
Server: ECS (iad/182A)
Vary: Accept-Encoding
Content-Length: 1270
Content-Type: text/html
Expires: Mon, 03 Jul 2017 11:09:04 GMT
Last-Modified: Fri, 09 Aug 2013 23:54:35 GMT
Client-Date: Mon, 26 Jun 2017 11:09:05 GMT
Client-Peer: 93.184.216.34:80
Client-Response-Num: 1
```

sucks if you need it a lot

how do you debug stuff that's
inside a Catalyst Model?

So I built something


```
package Foo;
use LWP::UserAgent;
use Class::Method::Modifiers 'around';

around 'LWP::UserAgent::new' => sub {
    my $orig = shift;
    my $self = shift;

    my $ua = $self->$orig(@_);
    $ua->add_handler( request_send => sub { shift->dump; return; } );
    $ua->add_handler( response_done => sub { shift->dump; return; } );

    return $ua;
};
```

then I went on IRC #lwp

LWP::ConsoleLogger

And LWP::ConsoleLogger::Easy



```
use LWP::ConsoleLogger::Easy qw( debug_ua );
use WWW::Mechanize;

my $mech          = WWW::Mechanize->new;    # or LWP::UserAgent->new() e
my $console_logger = debug_ua( $mech );
$mech->get( 'https://metacpan.org' );

# now watch the console for debugging output
# turn off header dumps
$console_logger->dump_headers( 0 );

$mech->get( $some_other_url );
```

GET <http://www.nytimes.com/2014/04/24/technology/fcc-new-net-neutrality-rules.html>

GET params:

| Key | Value |
|-----|-------|
| r | 1 |
| hp | |

| Request Header | Value |
|-----------------|---|
| Accept-Encoding | gzip |
| Cookie2 | \$Version="1" |
| Referer | http://www.nytimes.com?foo=bar |
| User-Agent | WWW-Mechanize/1.73 |

==> 200 OK

Title: The New York Times - Breaking News, World News & Multimedia

| Response Header | Value |
|--------------------------|-------------------------------|
| Accept-Ranges | bytes |
| Age | 176 |
| Cache-Control | no-cache |
| Channels | NytNow |
| Client-Date | Fri, 30 May 2014 22:37:42 GMT |
| Client-Peer | 170.149.172.130:80 |
| Client-Response-Num | 1 |
| Client-Transfer-Encoding | chunked |
| Connection | keep-alive |
| Content-Encoding | gzip |
| Content-Type | text/html; charset=utf-8 |
| Date | Fri, 30 May 2014 22:37:41 GMT |
| Content-Length | 65951 |
| Server | Apache |
| Via | 1.1 varnish |
| X-Cache | HIT |
| X-Varnish | 1142859770 1142854917 |

| |
|---|
| Text |
| F.C.C., in a Shift, Backs Fast Lanes for Web Traffic... |

- indents XML
- indents JSON
- converts XML to Perl data structure
- and a ton of other things

really cool

But still hard to use. Need to have the ua objects.

```
my $logger = debug_ua($ua);
```

COMBINE



**ALL THE
THINGS !!!!!**

```
use LWP::ConsoleLogger::Everywhere;
```

And that's it.

- works with all LWP::UserAgent subclasses
- deep down in your app
- load wherever you want
- as long as it's loaded at compile time it will work

```
# access all the loggers somewhere  
my $loggers = LWP::ConsoleLogger::Everywhere->loggers;
```

```
# customize individually  
$loggers->[0]->pretty(0);
```

Great for SOAP or REST clients, especially deep inside your models.

Live Demo

```
use Dancer2;
use LWP::UserAgent;

get '/json' => sub {
    my $ua = LWP::UserAgent->new;
    my $res = $ua->get("http://localhost:5001/json");
    return $res->decoded_content;
};

get '/xml' => sub {
    my $ua = LWP::UserAgent->new;
    my $res = $ua->get("http://localhost:5001/xml");
    return $res->decoded_content;
};

dance;
```

but doesn't work with WWW::Mechanize::Chrome

Thank you