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asked Mar 16 '13 at 3:39
frosty
488 4 7 9

How can I connect to a Tor hidden service using curl in php?

I'm trying to connect to a tor hidden service using the following php:

```
$url = 'http://kpvz7ki2v5agwt35.onion/'
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $url);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_PROXY, "http://127.0.0.1:9050/");
curl_setopt($ch, CURLOPT_PROXYTYPE, CURLPROXY_SOCKS5);
$output = curl_exec($ch);
$curl_error = curl_error($ch);
curl_close($ch);

print_r($output);
print_r($curl_error);
```

when I run it I get the following error:

```
Couldn't resolve host name
```

However, when I run the following command from my command line in ubuntu:

```
curl -v --socks5-hostname localhost:9050 http://kpvz7ki2v5agwt35.onion
```

I get a response as expected

the php cURL documentations says this:

```
--socks5-hostname
Use the specified SOCKS5 proxy (and let the proxy resolve the host name).
```

I believe the reason it works from the command line is because Tor (the proxy) is resolving the .onion hostname, which it recognizes. When running the php above, my guess is that cURL or php is trying to resolve the .onion hostname and doesn't recognize it. I've searched for a way to tell cURL/php to let the proxy resolve the hostname, but can't find a way.

There is a very similar question here: [CURL request using socks5 proxy fails when using PHP but works through the command line](#)

- php
- curl
- proxy
- tor

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