

# Project Result

## General Manual Tests:

### URLs that should return true:

true: <http://www.amazon.com>  
true: <ftp://www.amazon.com>  
true: <h3t://www.amazon.com>  
true: <http://255.255.255.255>  
true: <http://amazon.au>  
true: <http://www.amazon.com:80>  
false: <http://www.amazon.com:65535>  
true: <http://www.amazon.com/test1>  
true: <http://go.cc>  
false: <http://www.amazon.com?action=view>  
false: <http://www.amazon.com?action=edit&mode=up>

### URLs that should return false:

false: [www.amazon.com](http://www.amazon.com)  
false: <3ht://www.amazon.com>  
false: <http://www.amazon.com>  
false: <http://www.amazon.com>  
false: <://www.amazon.com>  
true: <http://www.amazon.com>  
true: <stupidscheme://www.amazon.com>  
false: <http://1.2.3>  
false: <http://www.amazon.com:-1>

false: http://www.amazon.com:65a

false: http:www.amazon.com

false: http/www.amazon.com

#### IPv4 Address Tests:

IPs that should return true:

true: http://192.168.0.1

true: http://0.0.0.0

true: http://255.255.255.255

IPs that should return false:

false: http://192.168.0.-1

true: http://0.0.0.256

true: http://256.256.256.256

false: http://0.0.a.0

End of Manual Tests

#### Partition Input

1st partition input is valid and invalid scheme input

Result:

valid input schemes, fail

invalid input schemes, pass

2nd partition input is valid and invalid authority input

Result:

invalid input authority, fail

valid input authority, fail

3rd partition input is valid and invalid port input

Result:

valid input port, fail

invalid input port, pass

Query Tests:

Queries that should return true:

false: /?action=view

false: ?action=view

false: ?action=edit&mode=up

Queries that should return false:

false: &action=view

false: =action

false: \$action=view

false: \*action=view

false: ?action=view

Port Tests:

Ports that should return true:

true: 0

true: 69

true: 999

false: 1000

false: 9000

false: 11111

false: 65535

Ports that should return false:

false: -1

false: -10

false: a2

false: 35e

false: 65536

false: 1000000

Random Port Tests:

Proportion of failed port tests: 9849/10000

Scheme Tests:

Schemes that should return true:

true: http://

true: ftp://

true: h3t://

Schemes that should return false:

false: 3ht://

false: http:/

false: http:

false: ://

false:

true: htp://

true: stupidscheme://

Authority Tests:

Authorities that should return true:

true: go.com

false: bbc.co.uk

false: www.parliament.uk

true: 9jumpin.com.au

true: YeahNah.au

true: bogan.co.au

true: news.cn

true: mail.google.com

false: smile.amazon.co.uk

true: eh.ca

Authorities that should return false:

false: aaa

false: aaa.

false: .aaa

false: go.a1a

false: go.a

false: go.1up

false: dude,wheres.my.ca