

```
var qs =  
require('querystring'  
)
```

```
var url = require('url')
```

```
var fs = require('fs')
```

```
function server (req, res) {
```

```
  if (req.url === '/same-site-form') {
```

```
    return res.end(`
```

```
<html>
```

```
  <form action="http://wasec.local:7888/" method="POST">
```

```
    <input type="hidden" name="destination"  
value="attacker@email.com" />
```

```
    <input type="hidden" name="amount" value="1000" />
```

```
    <input type="submit" value="CLICK HERE TO WIN A HUMMER" />
```

```
  </form>
```

```
</html>
```

```
`)
```

```
}
```

```
let query = qs.parse(url.parse(req.url).query)
```

```
if (query.clear === "on") {
```

```
  res.writeHead('302', {
```

```
    'Set-Cookie': [
```

```
      'example=a;Expires=Wed, 21 Oct 2015 07:28:00 GMT',
```

```
      `example_with_domain=a;Domain=wasec.local;Expires=Wed, 21  
Oct 2015 07:28:00 GMT`,
```

```
      `supercookie=a;Expires=Wed, 21 Oct 2015 07:28:00 GMT`,
```

```
      `secure=a;Expires=Wed, 21 Oct 2015 07:28:00 GMT`,
```

```

        `not_secure=a;Expires=Wed, 21 Oct 2015 07:28:00 GMT`,
    ],
    'Location': '/'
  })
  res.end()

  return
}

let headers = {}
headers['Set-Cookie'] = []

if (!req.headers.host.startsWith('sub.wasec.local')) {
  headers['Set-Cookie'].push('example=test')

  if (query.domain === 'on') {
    headers['Set-
Cookie'].push(`example_with_domain=test_domain_cookie;Domain=wasec.l
ocal`)
  }
}

if (query.super === 'on') {
  headers['Set-Cookie'].push(`supercookie=test;Domain=local`)
}

if (query.secure === 'on') {
  headers['Set-Cookie'].push(`secure=test;Secure`)
}

```

```
if (query.secure === 'on') {  
  headers['Set-Cookie'].push(`not_secure=test`)  
}
```

```
if (query.httponly === 'on') {  
  headers['Set-Cookie'].push(`http_only_cookie=test;HttpOnly`)  
}
```

```
if (query.samesite === 'on') {  
  headers['Set-Cookie'].push(`same_site_cookie=test;SameSite=Lax`)  
}
```

```
res.writeHead(200, headers)
```

```
res.end(`
```

```
<html>
```

```
<div id="output"/ >
```

```
<script>
```

```
  let content = "none";
```

```
  if (document.cookie) {
```

```
    let cookies = document.cookie.split(';')
```

```
    content = ''
```

```
cookies.forEach(c
```

```
=> {
```

```
  content += "<p><code>" + c + "</code></p>"
```

```
})
```

```
}
```

```
    document.getElementById('output').innerHTML = "Cookies on this  
document: <div>" + content + "</div>"
```

```
</script>
```

```
<html>
```

```
`)
```

```
}
```

```
const options = {
```

```
  key: fs.readFileSync(__dirname + '/../wasec.local-key.pem'),
```

```
  cert: fs.readFileSync(__dirname + '/../wasec.local.pem')
```

```
};
```

```
require('http').createServer(server).listen(7888)
```

```
require('https').createServer(options, server).listen(7889)
```