

Broken HTTP

was Browser akzeptieren
aber Firewalls blind macht



```
HTTP/1.1 200 ok  
Transfer-Encoding: chunked  
...chunked data ...
```

akzeptiert von Chrome, Opera



```
HTTP/1.1 200 ok  
X:foo\rTransfer-Encoding: chunked  
...chunked data ...
```

akzeptiert von allen außer Firefox



```
HTTP/1.1 200 ok  
Transfer-Encoding: foo  
Transfer-Encoding: chunked  
Transfer-Encoding: foo
```

```
...chunked data ...
```

chunked: Firefox, Chrome, Opera
plain: IE, Edge



```
HTTP/1.1 200 ok  
Transfer-Encoding: <newline>  
<space>chunked
```

```
...chunked data ...
```

chunked: Firefox, Chrome, Opera
plain: IE, Edge



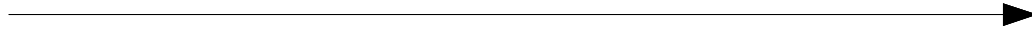
```
HTTP/1.1 200 ok  
Transfer-Encoding: chunked  
...chunked data ...
```

akzeptiert von
Firefox, Chrome, Opera, IE



GET / HTTP/1.1

Host: foo



Daten_ohne_HTTP_Header



akzeptiert von allen außer Safari



```
HTTP/1.1 200 ok  
Transfer-Encoding: chunked
```

```
\v\t\r -0xfffffffffa
```

```
VIRUS
```

```
0
```

Firefox 32-bit

bei 64-bit -0xfffffffffffffffffa




```
HTTP/1.1 200 ok  
Transfer-Encoding: gzip  
Content-length: 200
```

```
<100 Byte gzip>  
<100 Byte plain>
```

akzeptiert von Chrome, Opera



und viel mehr

noxxi.de/research/http-evader.html

http-evader.semantic-gap.de

App::DubiousHTTP

Tests mit EICAR + Innocent

unterschiedliches Verhalten bei HTML, Script,
Image, CSS, Download, XHR

