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How can I list all cookies for the current page with Javascript?

Asked 9 years, 3 months ago   Active 4 months ago   Viewed 117k times

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Is there any way to, with help of Javascript, list all cookies associated with the current page? That is, if I don't know the names of the cookies but want to retrieve all the information they contain.

javascript   cookies

★

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edited Aug 3 '10 at 22:04	asked Aug 3 '10 at 21:08
Ben Zotto	Speldosa
51.5k 22 130 195	**610** 3 11 34

Please clarify if by "certain page", you mean "the page the user is currently on". DixonD's answer is spot on for current-page cookies. All other domains are offlimits for security reasons. – Ben Zotto Aug 3 '10 at 21:15

1   Yes. I'm talking about the page the user is currently on. – Speldosa Aug 3 '10 at 21:19

1   OK. I edited the title and question to reflect that. DixonD's answer is appropriate here. – Ben Zotto Aug 3 '10 at 22:04

Note that this is something that you actually probably want to disable with `HttpOnly` . This is because it makes XSS attacks a lot less powerful. – Flimm Jan 13 '16 at 13:29

8 Answers

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You can list cookies for current domain:

```
function listCookies() {
    var theCookies = document.cookie.split(';');
    var aString = '';
    for (var i = 1 ; i <= theCookies.length; i++) {
        aString += i + ' ' + theCookies[i-1] + "\n";
    }
}
```

```
        return aString;
    }
```

But you cannot list cookies for other domains for security reasons

answered Aug 3 '10 at 21:12

DixonD
4,917   3   24   47

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1   I must have been clumsy in my description of the problem. What I wanted to do was to get a list of all the cookies created by any html-documents in the same catalogue. In the html-document I simply added the following code: var x = document.cookie; window.alert(x); ...and I could see all the cookies I had created. Sorry if I expressed myself in an unclear way. Thanks for all the quick answers though. I already like this site :) – Speldosa Aug 3 '10 at 22:17 ✎

3   Also this does not work when the cookie has been set value `httpOnly=true` . – Risto Novik Sep 4 '13 at 12:04 ✎

2   Nicer output via `aString += i + ' ' + decodeURIComponent(theCookies[i-1]) + "\n";` – Mark Rajcok Sep 3 '14 at 21:19

▲

```
var x = document.cookie;
window.alert(x);
```

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This displays every cookie the current site has access to. If you for example have created two cookies "username=Frankenstein" and "username=Dracula", these two lines of code will display "username=Frankenstein; username=Dracula". However, information such as expiry date will not be shown.

answered Aug 3 '10 at 22:57

Speldosa
610   3   11   34

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1   This doesn't work if you have set the cookie with `httpOnly` , which is recommended, since it helps to diminish the negative consequences of an XSS attack. – Flimm Jan 13 '16 at 13:27

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Many people have already mentioned that `document.cookie` gets you all the cookies (except `http-only` ones).

I'll just add a snippet to keep up with the times.

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```
document.cookie.split(';').reduce((cookies, cookie) => {
  const [ name, value ] = cookie.split('=').map(c => c.trim());
  cookies[name] = value;
  return cookies;
}, {});
```

The snippet will return an object with cookie names as the keys with cookie values as the values.

<table>
<tr><td>edited Oct 31 '18 at 10:31</td><td>answered Nov 27 '17 at 15:00</td></tr>
<tr><td>gr33n
55 10</td><td>Jayant Bhawal
687 1 13 23</td></tr>
</table>

No.

2

The only API browsers give you for handling cookies is getting and setting them via key-value pairs. All browsers handle cookies *by domain name* only.

Accessing all cookies for current domain is done via `document.cookie` .

answered Aug 3 '10 at 21:13

Yuval Adam
116k 80 274 366

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1   This doesn't work if you have set the cookie with httpOnly, which is recommended, since it helps to diminish the negative consequences of an XSS attack. – Flimm Jan 13 '16 at 13:28

No there isn't. You can only read information associated with the current domain.

1

answered Aug 3 '10 at 21:09

tur1ng
1,800 3 17 29

Damn :) Ok...Follow up questions: 1. Is there any way to check if a specific cookie exists (with a certain name that you know)? 2. Is there any kind of manual for JavaScript where for example the document.cookie class is desribed in detail? – Speldosa Aug 3 '10 at 21:14

Good resource: w3schools.com/JS/js_cookies.asp – tur1ng Aug 3 '10 at 21:16

I think so too. However, I would like to get hold of something equivalent of this: download.oracle.com/javase/1.4.2/docs/api/overview-summary.html – Speldosa Aug 3 '10 at 21:22 ✏

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Some cookies, such as referrer urls, have = in them. As a result, simply splitting on = will cause irregular results, and the previous answers here will breakdown over time (or immediately depending on your depth of use).

This takes only the first instance of the equals sign. It returns an object with the cookie's key value pairs.

```
// Returns an object of key value pairs for this page's cookies
function getPageCookies(){

    // cookie is a string containing a semicolon-separated list, this split puts it into
an array
    var cookieArr = document.cookie.split(";");

    // This object will hold all of the key value pairs
    var cookieObj = {};

    // Iterate the array of flat cookies to get their key value pair
    for(var i = 0; i < cookieArr.length; i++){

        // Remove the standardized whitespace
        var cookieSeg = cookieArr[i].trim();

        // Index of the split between key and value
        var firstEq = cookieSeg.indexOf("=");

        // Assignments
        var name = cookieSeg.substr(0,firstEq);
        var value = cookieSeg.substr(firstEq+1);
        cookieObj[name] = value;
    }
    return cookieObj;
}
```

answered Dec 5 '18 at 22:40

Travis J
67.8k 33 166 234

For just quickly viewing the cookies on any particular page, I keep a favorites-bar "Cookies" shortcut with the URL set to:

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```
javascript:window.alert(document.cookie.split(';').join(';\r\n'));
```

answered Jun 22 at 16:35

Paul Bishop
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```
function listCookies() {
    let cookies = document.cookie.split(';')
    cookies.map((cookie, n) => console.log(`${n}:`, decodeURIComponent(cookie)))
}

function findCookie(e) {
  let cookies = document.cookie.split(';')
  cookies.map((cookie, n) => cookie.includes(e) &&
console.log(decodeURIComponent(cookie), n))
}
```

This is specifically for the window you're in. Tried to keep it clean and concise.

answered Oct 5 '18 at 15:44

Fofaster
12   5