

Working with Cookies

A cookie is a variable that is stored on the visitor's computer. Each time the same computer requests a page with a browser, it will send the cookie too. With JavaScript, you can both create and retrieve cookie values.

- Each cookie has a **name-value pair** that contains the actual information.
- Each cookie has an **expiry date** after which it is trashed. If you don't specify the expiry date the cookie is trashed when you close the browser. This expiry date should be in UTC time.
- Each cookie also has a **domain** and a **path**.
 - The domain tells the browser to which domain the cookie should be sent. If you don't specify it, it becomes the domain of the page that sets the cookie.
 - The **path** gives you the chance to specify a directory where the cookie is active.
- Each cookie has **secure**. If secure is set then the cookie is sent to server only if HTTPS is used.

Cookie creation:

```
document.cookie = 'cookieName=cookieValue; expires=Sat, 15 Jun 2015 20:47:11 UTC; path=/; domain=somedomain.com;'
```

```
<!DOCTYPE html>
<html lang="en" xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta charset="utf-8" />
  <title></title>
  <script>
    function CreateCookie(name, value, expireInDays, path)
    {
      var enName = encodeURIComponent(name)
      var enValue = encodeURIComponent(value)
      if (path == "")
        path = '/'
      if (expireInDays != 0) {
        var dt = new Date();
        dt.setDate(dt.getDate() + Number(expireInDays))
        var dtUtc = dt.toUTCString();
        var str = enName + "=" + enValue + "; expires=" + dtUtc + "; path=" + path;
      }
      else {
        str = enName + "=" + enValue + "; path=" + path
      }
      document.cookie = str;
    }
  </script>
</head>
</html>
```

```
function GetValue(name)
{
    if (document.cookie == "" || document.cookie == null)
        return;
    var pairs = document.cookie.split(';')
    for (var i = 0; i < pairs.length; i++) {
        var pairName = pairs[i].split('=')[0].trim()
        var pairValue = pairs[i].split('=')[1].trim()
        if (pairName.toLowerCase() == name.toLowerCase()) {
            return pairValue
            return;
        }
    }
    return "not found"
}
```

```
function btnCreate_click()
{
```

```
CreateCookie(document.forms[0].txtName.value,document.forms[0].txtValue.value,document.forms[0].txtDays.value, '/');
```

```
    }
    function btnGet_click() {
        alert(GetValue(document.forms[0].txtName.value))
    }
    function btnGetAll_click() {
        alert(document.cookie)
    }
}
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<form action="/" method="post">
```

```
    Name: <input type="text" name="txtName" value="" /> <br />
```

```
    Value: <input type="text" name="txtValue" value="" /> <br />
```

```
    Days: <input type="text" name="txtDays" value="" /> <br />
```

```
    <input type="button" name="btnCreate" value="Create" onclick="btnCreate_click()" />
```

```
    <input type="button" name="btnGet" value="Get" onclick="btnGet_click()" />
```

```
    <input type="button" name="btnGetAll" value="GetAll" onclick="btnGetAll_click()" />
```

```
    <hr />
```

```
</form>
```

```
<a href="CookiesPage2.html">Page2</a>
```

```
</body>
```

```
</html>
```

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