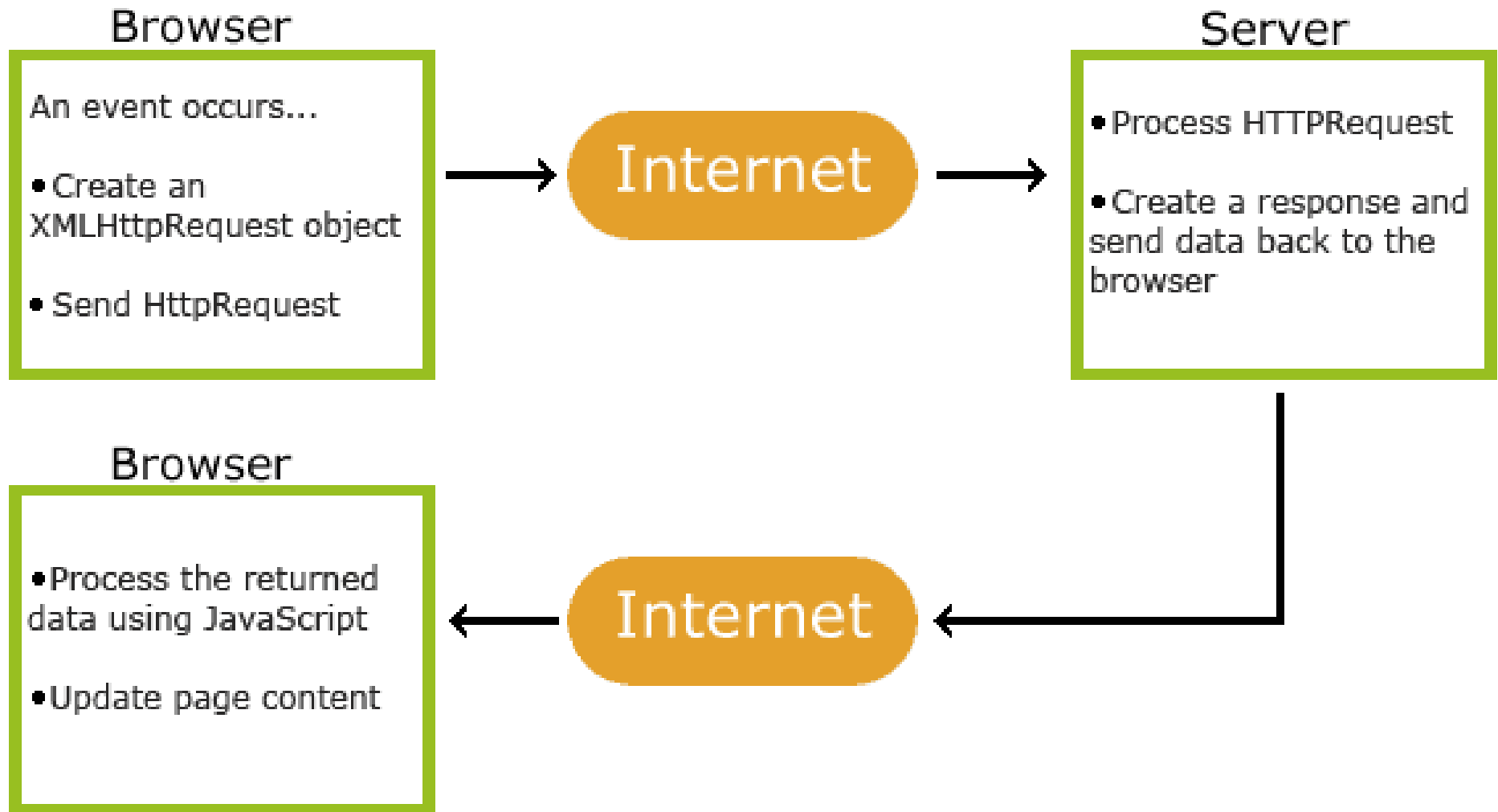


# Ajax



# Ajax

Ajax (Asynchronous JavaScript and XML) is a set of web development techniques using many web technologies on the client-side to create asynchronous Web applications. With Ajax, web applications can send data to and retrieve from a server asynchronously (in the background) without interfering with the display and behavior of the existing page. XMLHttpRequest (XHR) is an API in the form of an object whose methods transfer data between a web browser and a web server.

# Ajax

Update a web page without reloading the page

Request data from a server - after the page has loaded

Receive data from a server - after the page has loaded

Send data to a server - in the background

**For security reasons JavaScript's access to the file system on the client is restricted**

# Ajax – juhax.com

```
<script>
function loadXMLDoc2() {
  var xmlhttp = new XMLHttpRequest();
  xmlhttp.onreadystatechange = function() {
    if (this.readyState == 4 && this.status == 200) {
      document.getElementById("demo").innerHTML =
        this.responseText;
    }
  };
  xmlhttp.open("GET", "temp/1.txt", true);
  xmlhttp.send();
}
```

**We could also access this with URL**

```
xhttp.open("GET", "http://juhax.com/temp/1.txt", true);
```

# Ajax – juhax.com

```
<script>
function loadXMLDoc2() {
  var xmlhttp = new XMLHttpRequest();
  xmlhttp.onreadystatechange = function() {
    if (this.readyState == 4 && this.status == 200) {
      document.getElementById("demo").innerHTML =
        this.responseText;
    }
  };
  xmlhttp.open("GET", "temp/1.txt", true);
  xmlhttp.send();
}
```

**We cannot access other DOMAIN from juhax.com due to security !!**

```
xhttp.open("GET", "http://jsflix.com/temp/1.txt", true);
```

# Ajax – php - juhax.com

```
<?php
$input = $_POST["code"];

if($input == '*****') {
// Hämta värdena från formuläret
$email      = $_POST["email"];
$msg        = $_POST["message"];
$msg        = str_replace("\n", "<br>", $msg);
$myfile = fopen("out.txt", "a") or die("Unable to open file!");
$txt = $msg;
fwrite($myfile, $txt);
fclose($myfile);
copy("out.txt", "../temp/1.txt");
//Skickar dem vidare till Tacksidan
header("location: thanks.html");

// Om felaktig kod angivits skickas du tillbaka
} else {
    echo"<script>";
    echo"history.back()";
    echo"</script>";
}
?>
```

# Ajax – php – javascript - juhax.com

```
<?php
$input = $_POST["code"];

if($input == '*****') {
// Hämta värdena från formuläret
$email      = $_POST["email"];
$msg        = $_POST["message"];
$msg        = str_replace("\n", "<br>", $msg);

$myfile = fopen("out.txt", "a") or die("Unable to open file!");
$txt = $msg;
fwrite($myfile, $txt);
fclose($myfile);
copy("out.txt", "../temp/1.txt");
//Skickar dem vidare till Tacksidan
header("location: thanks.html");

// Om felaktig kod angivits skickas du tillbaka
} else {
    echo"<script>";
    echo"history.back()";
    echo"</script>";
}
?>
```

## calling server php

write file

CLEAR FILE (Warning)

## XMLHttpRequest object

Get information from server

Message:

Email:

CODE:

Submit me!

get messages from server

CLEAR MESSAGES FILE (Warning)

# Ajax – php – javascript - juhax.com

```
<hr>
<input type="button" value="write file" onclick="callphp()">
<hr>
<input type="button" value="CLEAR FILE (Warning)"
onclick="callclearfilephp()">
<hr>
<h2>XMLHttpRequest object</h2>
<p id="demo"></p>
<button type="button" onclick="loadXMLDoc()">Get
information from server</button>
<hr>
<form action="form.php" method="post">
  Message: <input type="text" name="message" /><br />
  Email: <input type="text" name="email" /><br />
  CODE: <input type="text" name="code" /><br />
  <input type="submit" name="submit" value="Submit me!" />
</form>
<button type="button" onclick="loadXMLDoc2()">get
messages from server</button>
<hr>
<input type="button" value="CLEAR MESSAGES FILE
(Warning)" onclick="callclearfilephp2()">
</body>
```

## calling server php

write file

CLEAR FILE (Warning)

## XMLHttpRequest object

Get information from server

Message:

Email:

CODE:

Submit me!

get messages from server

CLEAR MESSAGES FILE (Warning)



# Ajax – php – javascript - juhax.com

```
function callclearfilephp2(){
//call php from js using AJAX
var xmlhttp;
xmlhttp=new XMLHttpRequest();

xmlhttp.onreadystatechange=function()
{
if (xmlhttp.readyState==4 && xmlhttp.status==200)
{
// Do something with the results here
}
}
xmlhttp.open("GET","clearfile2.php",true);
xmlhttp.send();
}
```

## calling server php

write file

CLEAR FILE (Warning)

## XMLHttpRequest object

Get information from server

Message:

Email:

CODE:

Submit me!

get messages from server

CLEAR MESSAGES FILE (Warning)