

# Getting Page Source

Two quick and easy ways independent of browser

# Why be Independent?

- Unfamiliar browser and time is short
- Browser does not have installed the necessary tools
- Nice to have portable solution that works on all browsers

# The Solution: Use the Web Server!

- Client side via Javascript
- Server side via PHP

# Client side via Javascript

- Pros:
  - Can handle dynamic page update
  - Inherits flexibility of Javascript
- Cons:
  - Limited across domains

# How To Download via Javascript?

- Use XMLHttpRequest method
- Downloads text of page source
- Bypasses browser caching
- Does not work across domains

# Javascript Code Snippet

```
var httpRequest = new XMLHttpRequest();  
/* Define anonymous call back function */  
httpRequest.onreadystatechange = function() {  
    if (httpRequest.readyState == 4 && httpRequest.status == 200) {  
        var pageContent = httpRequest.responseText;  
        document.getElementById("code").innerHTML =  
            escapeHtml(pageContent);  
    }  
};  
/* Post the document request to the server */  
httpRequest.open("POST", targetUrl, true);  
httpRequest.send();
```

# Escaping HTML Characters

```
function escapeHtml(unsafe) {  
    return unsafe  
        .replace(/&/g, "&amp;")  
        .replace(/</g, "&lt;")  
        .replace(/>/g, "&gt;")  
        .replace(/"/g, "&quot;")  
        .replace(/'/g, "&#039;");  
}
```

# Client Side Demo

- [intravisions.com/utilities/showsource.html](http://intravisions.com/utilities/showsource.html)



# Server Side via PHP

- Pros
  - Works across multiple domains
  - Can embed target in url
  - Can send target via POST method
- Cons
  - Requires PHP enabled on server
  - Less flexible than Javascript

# PHP Code Snippet

```
<?php
if(strlen($_POST["url"]) > 0) {
    $address = $_POST["url"];
} else {
    $address = $_GET["url"];
}

if(strpos($address, "http://") !== 0) {
    $address = "http://" . $address;
}

$rawSource = file_get_contents($address);
highlight_string($rawSource);
?>
```

# Server Side Demo

- Target embedded in url  
[intravisions.com/showsource.php?url=google.com](http://intravisions.com/showsource.php?url=google.com)
- Target sent by forms POST method  
[intravisions.com/showsource.html](http://intravisions.com/showsource.html)

# This Presentation Available At

[`github.com/fractalxaos/barcamp/`](https://github.com/fractalxaos/barcamp/)  
[`PageSourceQuick&Easy.pdf`](#)