Getting The Page Source

Two quick and easy ways independent of the browser

Why be Independent?

- Unfamiliar browser and time is short

- Browser does not have the necessary tools installed

- Nice to have a 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:
  - Does not require server side scripting
  - Full flexibility of Javascript environment
- Cons:
  - Limited across domains

How To Download via Javascript?

- Use XML Http Request method

  - Downloads text of page source

  - Bypasses browser caching

  - Does not work across domains

Javascript Code Snippet

```javascript
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;");
}
```

Javascript Client Side Demo

- 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
<?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);
?>
```

PHP Server Side Demo

- Target embedded in url
  intravisions.com/showsource.php?url=google.com

- Target sent by forms POST method
  intravisions.com/showsource.html

Page Source Quick & Easy - Slide Show

github.com/fractalxaos/barcamp/
PageSourceQuick&Easy.pdf