Linux Review

There's just a lot to keep track of

Announcements

- Quiz "answers" on scholar for reading and linux. Ask if you have questions

- You each should receive an account on defender.

- Need scp (Windows) or sftp (comes with Linux) to copy files

More Javascript

```html
<head>
  <title> Random Banner Ads </title>
  <script type="text/javascript">
    function SelectAd()
    // Assumes: the banners ad0.gif, ad1.gif, ad2.gif, and ad3.gif are
    //          stored in http://balance3e.com/Images
    // Results: displays the next banner ad image in the page
    {
        adNum = Math.floor(4*Math.random());
        document.getElementById('adImg').src=
              'http://balance3e.com/Images/ad' + adNum + '.gif';
    }
  </script>
</head>
<body onload="setInterval('SelectAd()', 1000);">
  <div style="text-align:center">
    <img id="adImg" alt="banner ad"
         src="http://balance3e.com/Images/ad0.gif">
  </div>
  <p>
    Contents of the page.
  </p>
</body>
```

Having functions in different files

- To include a function in the head, you can define it in the same file or a different one.

- Same File, examples on previous slides

- Different file:
  - In html file:

```
<script type="text/javascript"
src="http://url.nameOfFile.js"> </script>
```

  - In nameOfFile.js:

```
function abc( ) { /* stuff in here */ }
function def(params) /* stuff in here, too */}
```

Cp and directory structures

- Absolute, relative paths

Wildcards

- The wildcards section. Many of the commands did not work as expected?

Grep and regular expressions

Filters, Redirection

- I think it would be useful to explore further filtering.
  - I also think more advanced Linux/Unix file permissions would be very useful to explore as well as combined stderr with stdout redirection.

chmod

- I would like to go over the binary used in chmod commands for permissions, as well as maybe just everything else in general.

Next Assignment (not given yet): put madlibs.html on defender

1. Use sftp to transfer files

2. Create www directory from home directory

3. Make www directory executable by all.

4. Make file readable by all.

Your website will be
http://www.pcs.cnu.edu/~first.last/madlibs.html

sftp

- Secure File Transfer Protocol
  - comes with linux and MacOS
  - For Windows, try winscp (Windows Secure Copy)
    https://winscp.net/eng/docs/guide_windows_openssh_server
- To logon to defender: `sftp susie.jones@defender.pcs.cnu.edu`
- Commands
  - ls, cd – for remote machine
  - lls, lcd – for local machine
  - put *filename* -- to move file from local to remote
  - get *filename* -- to move file from remote to local
  - bye – to quit

ssh

- ssh – secure shell
  - Opens a terminal on the remote machine
- To logon:
  - `ssh susie.jones@defender.pcs.cnu.edu`
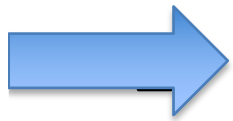- Opens a Linux terminal on defender

Baby vi

- i - starts insert mode

- ZZ - saves file

- Esc – exits mode

- :q! – quits without saving

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put madlibs.html on defender

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LAMP Stack

- FOSS Web Server

- Linux -- OS

- Apache – Web server

- MySQL – relational database system

- PhP – server side scripting language