

Reading Log Files

Introduction

Web Server Logs

```
- - [30/Sep/2015:07:47:11 -0400] "GET //favicon.ico HTTP/1.1" 200 3426
- - [30/Sep/2015:07:47:11 -0400] "GET /projects/rotate/ HTTP/1.1" 302 495
- - [30/Sep/2015:07:47:11 -0400] "GET /projects/rotate/random_photo/ HTTP/1.1" 200
- - [30/Sep/2015:07:47:11 -0400] "GET /favicon.ico HTTP/1.1" 304 179
- - [30/Sep/2015:07:47:11 -0400] "GET /projects/rotate/random_photo/images/084comp
- - [30/Sep/2015:07:47:11 -0400] "GET /projects/rotate/random_photo/images/bgd_384
- - [30/Sep/2015:07:47:13 -0400] "GET /courses/spring14/cps140/info.php HTTP/1.1"
- - [30/Sep/2015:07:47:13 -0400] "GET /projects/rotate4k/ HTTP/1.1" 302 492
- - [30/Sep/2015:07:47:13 -0400] "GET /projects/rotate4k/random_photo/ HTTP/1.1" 2
- - [30/Sep/2015:07:47:13 -0400] "GET /projects/rotate4k/random_photo/images/2015_
- - [30/Sep/2015:07:47:13 -0400] "GET /projects/rotate4k/random_photo/images/bgd_3
```

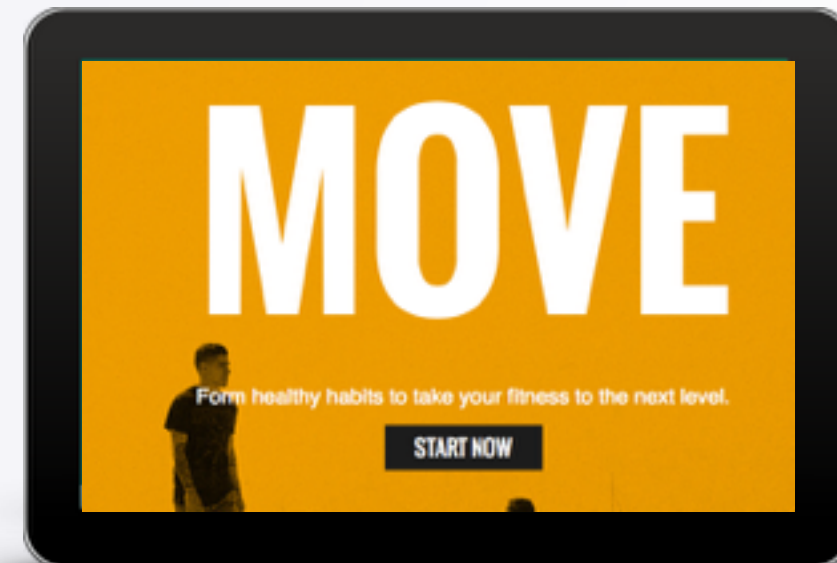
- Web servers: log accesses

- Record who (IP), date, what page, response

- Why are these useful?

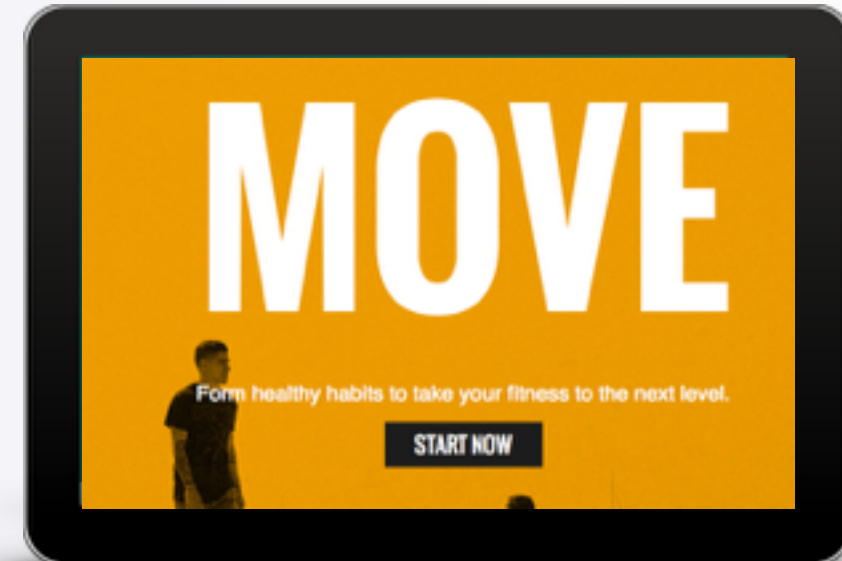
Importance of Logs

- Understand usage of website



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 - How many people visit site?



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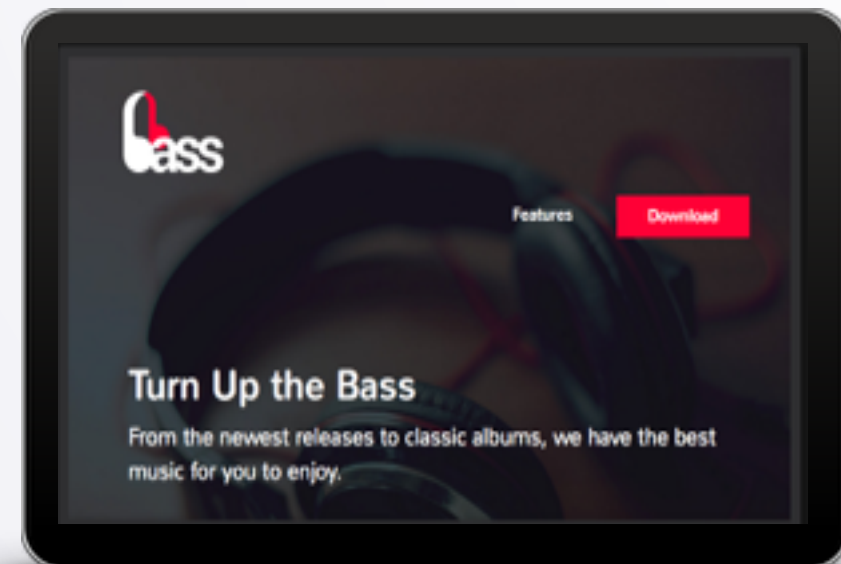
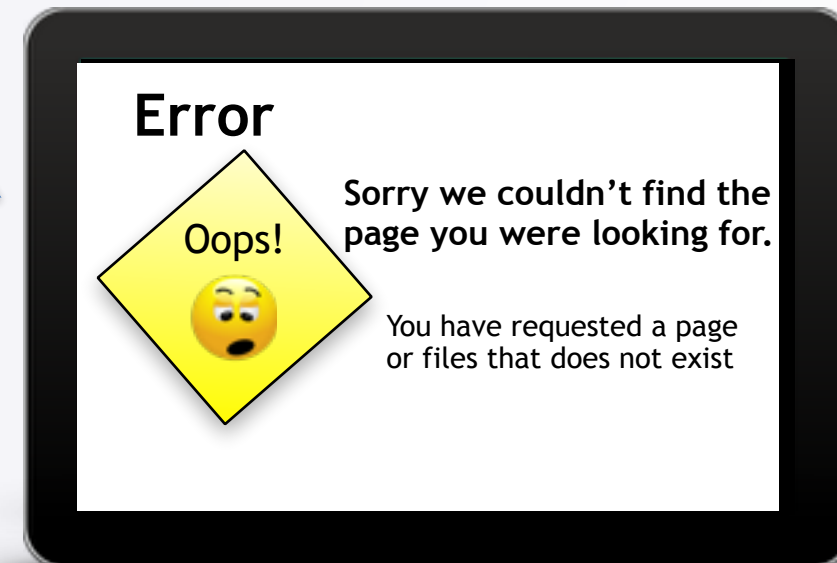


- Understand usage of website
 - How many people visit site?
 - What pages do they look at?



Importance of Logs

- Understand usage of website
 - How many people visit site?
 - What pages do they look at?
- Investigate problems



Plan Going Forward

Read Log File

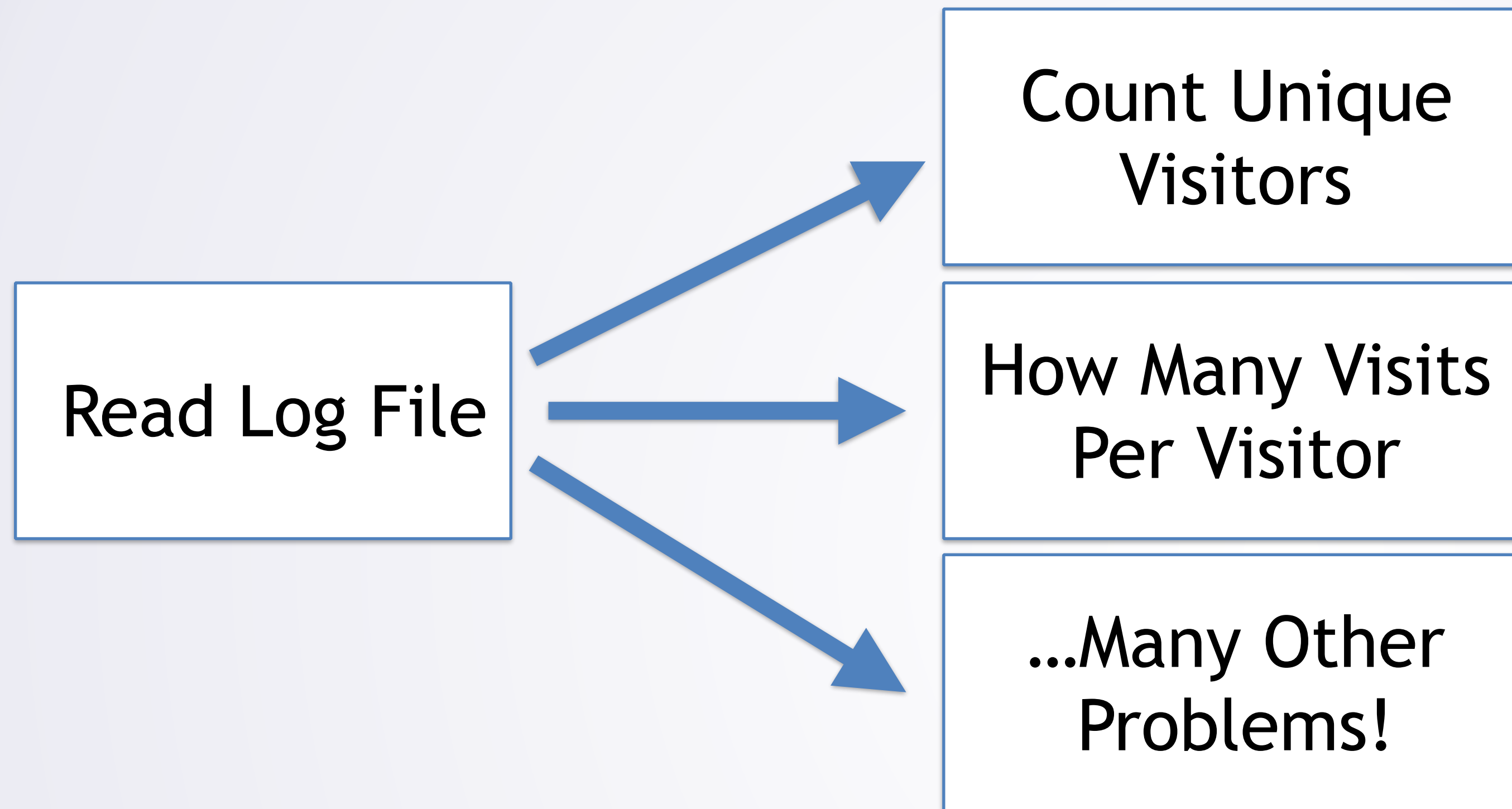
Count Unique
Visitors

How Many Visits
Per Visitor

...Many Other
Problems!

- This lesson: read the log file
- Setup to solve many problems

Plan Going Forward



- This lesson: read the log file
- Setup to solve many problems