Linux Course

Igor Gnatenko

Advanced Bash

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Pipes, ampersands

Sorting and filtering

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Thank you!

Linux Course Bash and Regexps

Igor Gnatenko

November 07, 2014

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- stdin
- stdout
- stderr

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Standard streams

- stdin
- stdout
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Magic construction. What it does?

• 2>&1

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Programming exmaple (C language)

```
#include <stdio.h>

int main (void)
{
    fprintf (stdout, "I'm_stdout\n");
    fprintf (stderr, "I'm_stderr\n");
    return 0;
}
```

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Pipes, ampersand:

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- 0-255. Otherwise mod 256
- \$?

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Demo: example usage

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Demo: example usage

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- sort
- uniq

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http://tldp.org/LDP/abs/abs-guide.pdf

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- sed
- awk
- bash
- grep
- ...

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- .
- *
- ^
- Š
- Ş
- [0-9], [a-zA-Z], [^ a]
- {n}, {m,n}
- ...

Try it yourself!

The intern-tester @ Yandex

```
[10/oct/2012:00:15:32 +0400] pogoda.yandex.by 178.122.164.78 "GET / HTTP/1.1"
     → 302 "-" "Opera/9.80 (Windows NT 5.1; U; Edition Yx 01; ru) Presto
     → /2.10.229 Version/11.60" "-" 0.008 - 1170
[10/Oct/2012:00:15:35 +0400] pogoda.yandex.ru 212.193.232.183 "GET / HTTP/1.0"

→ 302 "-" "-" 0 011 - 1237

[10/Oct/2012:00:15:37 +0400] pogoda.yandex.ru 78.46.121.182 "GET /kemerovo/
     → details HTTP/1.1" 200 "http://pogoda.yandex.ru" "Mozilla/4.0 (

→ compatible; MSIE 5.01; Windows NT 5.0) " "-" 0.314 - 93275

[10/Oct/2012:00:15:38 +0400] pogoda.yandex.ru 93.158.129.212 "GET /astrahan/
     → HTTP/1.1" 200 "-" "Pvthon-urllib/2.5" "-" 0.183 - 37160
```

- requests cout for each second
- count of 5xx HTTP-codes

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please

Thank you

The load testing expert @ Yandex

- top-3 referers, from what opened service main page (/) or page with weather forecast in Moscow (/moscow) and it's count
- in what time 95% requests (response time last column in lines) for weather forcast in Kiev (/kiev) was happened

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Cinneland street

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Online examples

http://regexone.com

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http://goo.gl/forms/SkEaFu1iWD

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Thank you!

Thank you!

See you next Friday (November 14, 2014)

Igor Gnatenko i.gnatenko.brain@gmail.com