Regex to get the words after matching string

Below is the Content:

57

16

```
Subject:
    Security ID:         S-1-5-21-3368353891-1012177287-890106238-22451
    Account Name:        ChamaraKer
    Account Domain:      JIC
    Logon ID:        0x1fffb

Object:
    Object Server:   Security
    Object Type:     File
    Object Name:     D:\ApacheTomcat\apache-tomcat-6.0.36\logs\localhost.2013-07-01.log
    Handle ID:   0x11dc
```

I need to capture the words after the `Object Name:` word in that line. Which is `D:\ApacheTomcat\apache-tomcat-6.0.36\logs\localhost.2013-07-01.log` . I hope somebody can help me with this.

`^.*\bObject Name\b.*$` matches - Object Name

regex   expression   regex-negation   regex-lookarounds

asked Oct 5 '13 at 2:07

Chamara Keragala
3,560   9   32   53

6 Answers

The following should work for you:

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✔ Your desired match will be in capture group 1.

```
[\n\r][ \t]*Object Name:[ \t]*([^\n\r]*)
```

Would be similar but not allow for things such as " blah Object Name: blah" and also make sure that not to capture the next line if there is no actual content after "Object Name:"

answered Oct 5 '13 at 2:18

smerny
13.5k   19   52   70

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2   But i need the match result to be `D:\ApacheTomcat\apache-tomcat-6.0.36\logs\localhost.2013-07-01.log` not in a match group –
Chamara Keragala   Oct 5 '13 at 2:26

@CasperNine, why? And what language are you using? – smerny Oct 5 '13 at 2:26 ✏

because the program im using captures only match result. Im using a log management tool called logstash. put your regex to this site regexpal.com and see.. it matches the whole line. – Chamara Keragala   Oct 5 '13 at 2:30 ✏

1   @CasperNine, it depends on if that supports lookbehinds. Try this and let me know your result: `(?<=Object Name:)([^\n\r]*)` See here – smerny Oct 5 '13 at 2:37 ✏

1   @CasperNine, you could try matching against newlines instead of any space characters... `[^\r\n]+(?=\s+Handle ID:)` – smerny Oct 8 '13 at 12:55

▲

43

▼

> But I need the match result to be ... not in a match group...

For what you are trying to do, this should work. `\K` resets the starting point of the match.

```
\bObject Name:\s+\K\S+
```

You can do the same for getting your `Security ID` matches.

Thanks a bunch for your answers and comments. I've +1ed. – Chamara Keragala Oct 5 '13 at 2:54

10 Oh, sweet. `\K` +1 mate. This is "the" answer. – Ravi Thapliyal Oct 5 '13 at 2:59

2 `\K` not working in javascript, any other solutions? – Jim Nov 1 '16 at 3:59

This worked great for me in Notepad++. I'm not sure what regex processor it uses, but it does allow the \K when doing regex searches. – Mark Jun 7 '17 at 20:33

regexr says \K works only with PCRE and not in javascript, no clue what PCRE is though, seems server sided stuff. – Mixxiphoid Sep 11 '18 at 14:15 ✎

You're almost there. Use the following regex (with multi-line option enabled)

8

```
\bObject Name:\s+(.*)$
```

The complete match would be

```
Object Name:    D:\ApacheTomcat\apache-tomcat-6.0.36\logs\localhost.2013-07-01.log
```

while the captured group one would contain

```
D:\ApacheTomcat\apache-tomcat-6.0.36\logs\localhost.2013-07-01.log
```

If you want to capture the file path directly use

```
(?m)(?<=\bObject Name:).*$
```

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Oct 5 '13 at 2:32

1   @CasperNine Yes, you can. Updated the regex. – Ravi Thapliyal Oct 5 '13 at 2:37

@hwnd yes thats correct. But how that actually works? what if need to match words which are in the line `Security ID:` – Chamara Keragala Oct 5 '13 at 2:39

@CasperNine, did you try `(?m)(?<=\bObject Name:).*$` ? – Ravi Thapliyal Oct 5 '13 at 2:43

1   @CasperNine, I guess it's not possible for you to trim it but variable length look-behind is not supported with almost all the regex engines. You could use `(?m)(?<=\bObject Name:\s{4}).*$` but it would fail for others like `Security ID:` because the amount of whitespace varies. – Ravi Thapliyal Oct 5 '13 at 2:47

This might work out for you depending on which language you are using

2

```
(?<=Object Name:).*
```

It's a positive lookbehind assertion. More info could be found here

It won't work with java script though. In your comment I read that you're using it for logstash. If you are using GROK parsing for logstash then it would work. You can verify itself here
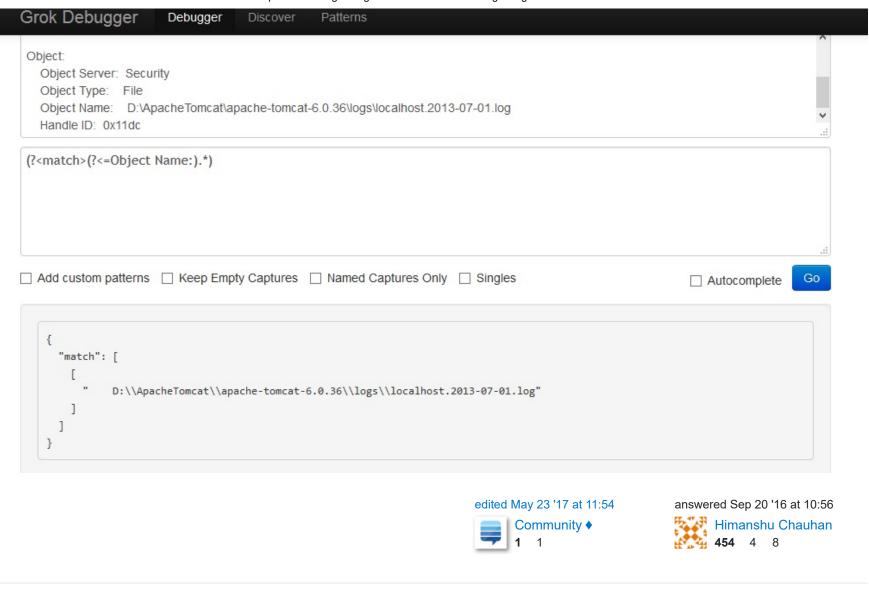
https://grokdebug.herokuapp.com/

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Grok Debugger   Debugger   Discover   Patterns

```
Object:
    Object Server: Security
    Object Type:    File
    Object Name:    D:\ApacheTomcat\apache-tomcat-6.0.36\logs\localhost.2013-07-01.log
    Handle ID: 0x11dc
```

```
(?<match>(?<=Object Name:).*)
```

☐ Add custom patterns   ☐ Keep Empty Captures   ☐ Named Captures Only   ☐ Singles   ☐ Autocomplete   Go

```
{
    "match": [
        [
            "    D:\\ApacheTomcat\\apache-tomcat-6.0.36\\logs\\localhost.2013-07-01.log"
        ]
    ]
}
```

edited May 23 '17 at 11:54   answered Sep 20 '16 at 10:56

Community ♦   Himanshu Chauhan
1   1   454   4   8

Here's a quick perl script to get what you need. Needs some whitespace chomping.

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```
  Account Domain:      JIC
  Logon ID:        0x1fffb

Object:
  Object Server:  Security
  Object Type:    File
  Object Name:      D:\\ApacheTomcat\\apache-tomcat-6.0.36\\logs\\localhost.2013- 07-
01.log
  Handle ID:  0x11dc
END

my @sample_lines = split /\n/, $sample;
my $path;

foreach my $line (@sample_lines) {
  ($path) = $line =~ m/Object Name:([^s]+)/g;
  if($path) {
    print $path . "\n";
  }
}
```

answered Oct 5 '13 at 2:35

Ryan Norris
44 1 4

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regex not python – Michael Cole Feb 6 '18 at 19:12

This is python solution.

-2

```
import re

line ="""Subject:
    Security ID:        S-1-5-21-3368353891-1012177287-890106238-22451
    Account Name:       ChamaraKer
    Account Domain:     JIC
    Logon ID:        0x1fffb
```

```
regex = (r'Object Name:\s+(.*)')
match1= re.findall(regex,line)
print (match1)

*** Remote Interpreter Reinitialized  ***
>>>
['D:\\ApacheTomcat\x07pache-tomcat-6.0.36\\logs\\localhost.2013-07-01.log']
>>>
```

answered Aug 1 '17 at 17:35

user1586957

119   2   11