

02 - Regular Expression

Samstag, 28. März 2020 19:46

Jopp fragt ständig nach weil er sich das nicht merken kann

Description...: Regular Expression examples for PsPad usage
First Release.: 08.02.2016 / J.Fes S.Gueth
Last Update...: 26.05.2020

WebSites für RegEx
<http://regexhero.net/tester/> Verhalten wie .net
<https://regex101.com/> gute Erklärung

Sascha ich suche via regex zeilen die z.B. CB und enum haben, wie geht das
^.*CB.*enum.*\$

es gibt die Methode (Word1)|(Word2) dann bekomme ich alle Zeilen die Word1 oder Word2 haben.
Gibt es auch sowas wie (Word1) -and- (Word2)? Das ist dann praktisch wenn ich nicht weiß wie rum des in den Zeilen steht.

Das müsste funktionieren:
(^.*CB.*enum.*\$)|(^.enum.*CB.*\$)

Example.....: 01
#New.....: 08.02.2016 17:25 / J.Fes S.Gueth
#LUP.....:
Description...: Filter ItemId / RevisionId
Find.....: ^(.*)?[/#].*?[/#;].*\$
Replace.....: \$1
Principe.....: ^ -> find from start of line
(.*)?[/#] -> seach until first char '/' or '#' hits
(.*)?[/#;] -> seach further until char '/' or '#' or ';' hits
.*\$ -> goto end of line
^(.*)?[/#].*?[/#;].*\$
|<-- \$1 -->| -> not anymore in \$1 in this case last '/' '#' ';' is not in \$1

Source Data:
60803100PF#0#BOMView Revision#60803100PF/0-view;1;fktbabel;Unigraphics modify
Assy-latch-bearing-with-rod#0#BOMView Revision#Assy-latch-bearing-with-rod/0-view;1;wshil;Print bar ORIGINAL
Color-Lockout-Keys-Left/0;1;wshil;Print bar ORIGINAL
AEROSOL-ADAPTER-WITH-ORING#0#ItemRevision Master#AEROSOL-ADAPTER-WITH-ORING/0;1;wshil;Print bar ORIGINAL
W2100255/A/UGPART/Z3;1;wkdroe;

Result Data:
60803100PF#0
Assy-latch-bearing-with-rod#0
Color-Lockout-Keys-Left/0
AEROSOL-ADAPTER-WITH-ORING#0
W2100255/A

Example.....: 02
#New.....: 08.02.2016 18:11 / J.Fes
#LUP.....:
Description...: Filter ItemId and add /* on end
Find.....: ^(.*)?[/#].*?[/#;].*\$
Replace.....: \$1/*
Principe.....: ^ -> find from start of line
(.*)?[/#] -> seach until first char '/' or '#' hits
.*\$ -> goto end of line
^(.*)?[/#].*?[/#;].*\$
|-\$1| -> not anymore in \$1 in this case last '/' '#' ';' is not in \$1

Source Data:
60803100PF#0#BOMView Revision#60803100PF/0-view;1;useryy;Unigraphics modify
Assy-latch-bearing-with-rod#0#BOMView Revision#Assy-latch-bearing-with-rod/0-view;1;wxxx;Print bar ORIGINAL
Color-Lockout-Keys-Left/0;1;wxxx;Print bar ORIGINAL
AEROSOL-ADAPTER-WITH-ORING#0#ItemRevision Master#AEROSOL-ADAPTER-WITH-ORING/0;1;wxxx;Print bar ORIGINAL
W2100255/A/UGPART/Z3;1;wkyy;

Result Data:
60803100PF/*
Assy-latch-bearing-with-rod/*
Color-Lockout-Keys-Left/*
AEROSOL-ADAPTER-WITH-ORING/*
W2100255/*

Example.....: 04
#New.....: 24.08.2017 / A.Becker - J.Fes
#LUP.....:
Description...: Search if mehrere Strings in Text vorkommen Anordnung ist beliebig

Source Data:
Http: test Rechnung_hdshttpfkdsj

^(?=.*http)(?=.*rechnung).*\$

Match Optionen IgnoreCase Multiline Singleline

Example.....: 05
#New.....: 14.11.2017 / A.Becker - J.Fes
#LUP.....:
Description...: Liste alle Zeilen die Text1 oder Text2 oder Text3 .. beinhalten
(Text1)|(Text2)|(Text3)|..(Textn)

#New: 30.04.2018 15:44
Example Parse NX.syslog Load Parts
(CONTEXT:)|(Loaded and updated part)

Example.....: 06
#New.....: 28.09.2018 / J.Fes
#LUP.....:
Description...: Parse Word1 or Word2

.*?(https://|/|http://|/|).*

Find.....: ^(.*)?http:.*?[/#].*\$ seach until first string 'http:' or 'https:' hits
(.*)?[/#] -> seach further until char '/' hits

Replace.....: \$1/*

Example.....: 07
#New.....: 18.06.2019 / J.Fes + Sascha
#LUP.....:
Description...: Replace 124050-00_C -> 124050-00/C or 9059_43-00/B

Find.....: ^(.*)_.*(.*)\$
Replace.....: \$1/\$2

Principe.....: ^ -> find from start of line
(.*)_ -> seach until last char '_' hits and store in \$1
(.*)\$ -> goto end of line store in \$2
\$1/\$2 -> Restore \$1 + '/' + \$2

Source Data:
124050-00_C
905943-00_B
9059_43-00_B

Result Data:
124050-00/C
905943-00/B

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9059_43-00/8
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Example.....: 08
#New.....: 10.09.2019 / J.Fes + Sascha
#LUp.....:
Description...: search like *custom*.dll*
Find.....: .*custom.*\.\dll.*
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Example.....: 09 .NET

' D:\Daten_CAD_02\ugarchiv03\sew0000042829.prt x 4'
Dim match = Regex.Match(partLine_p, "^(<nesting>\s*)(?<name>.+)\s+x\s+(?<count>\d+)$")
Dim Count As Integer = 0
Dim Nesting As Integer = 0
Dim Name As String = ""

If match.Success Then
    Count = Integer.Parse(match.Groups("count").Value)
    Nesting = Integer.Parse(match.Groups("nesting").Value.Length)
    Name = match.Groups("name").Value
Else
    'File C:\temp\bct\bct_work\STP_STPA_STW_2015_3027.prt not found'
    match = Regex.Match(partLine_p, "File\s(?<name>.*\.\prt)\snot\sfound$")

    \s = Any White Space Blank oder Tab Return New Line
    \t = Tab

    ' Was wie oft
    ' * = genau 1 beliebige Zeichen
    ' Modifikator ? Keines oder 1 Zeichen
    ' Modifikator * Keines oder beliebig viele
    ' Modifikator + mindestens 1 oder beliebig viele Zeichen
    If match.Success Then
        Nesting = 1
        Count = 1
        Name = match.Groups("name").Value
    Else
        Return Nothing
    End If
End If
-----
Example.....: 10
#New.....: 12.01.2021 / J.Fes + Sascha
#LUp.....:
Description...: Parse from last WRN:Dif.Tif:/PPM:4308 Value 4308

Find.....: .*WRN:Dif.Tif:/PPM:(?<result>[0-9]).*
Replace.....: $(result)

Principe.....: .*WRN:Dif.Tif:/PPM: -> find last char pos WRN:Dif.Tif:/PPM:
                (?<result>[0-9]) -> collect all next numbers into var $(result)

Source Data: ProcessResultMsg.....: [PH:OK] [MD:OK] [AS:OK] [DR:ERR:ViewP] [EN25:ERR:Origin,TxtboxOri,TxtOrigin] [EN26:ERR:TxtboxOri,TxtOrigin] [DC:OK:Dif.Tif:/PPM:0/WRN:Dif.Tif:/PPM:4308] [PI:OK]
Result Data: 4308

Source Data: ProcessResultMsg.....: [PH:OK] [MD:OK] [AS:OK] [DR:OK] [EN25:OK] [EN26:OK] [DC:Tif:No.CGM] [PI:OK]
Result Data:

Source Data: ProcessResultMsg.....: [PH:OK] [MD:OK] [AS:WRN:CompArr.UsedArr] [DR:OK] [EN25:OK] [EN26:OK] [DC:OK:Dif.Tif:/PPM:0] [PI:OK]
Result Data:
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Example.....: 11
Description...: replace
#New.....: 18.02.2021 / J.Fes
Exa Source...: "uri": "L:\I\00e4ttriges-kleeblatt-86439930.jpg",
Exa Source...: "uri": "",

Find.....: "uri":.*$
Replace.....: "uri": "",
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Example.....: 12
#New.....: 27.08.2021
#LUp.....:
PaFad.....: find files DPNE *.prt inc path
Find.....: ^.*File\s(.*\.\prt)\snot\sfound$
Replace.....: $1

SourceData:
7: 39: File \disk2\users\cad\laub\W-Schrank\Halter.prt not found
9: 43: File \UG-e-0127349\cad_daten\db\UG6\GL698-0 0.prt not found
12: 178: File \disk2\users\cad\pfeifer\01_Zaehler\20hauptleideckel.prt not found

Result:
\disk2\users\cad\laub\W-Schrank\Halter.prt
\UG-e-0127349\cad_daten\db\UG6\GL698-0 0.prt
\disk2\users\cad\pfeifer\01_Zaehler\20hauptleideckel.prt
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Example.....: 13
#New.....: 27.08.2021
#LUp.....:
PaFad.....: find files NE *.prt inc path
Find.....: ^.*\\(.*\.\prt).*$
Replace.....: $1

SourceData:
7: 39: File \disk2\users\cad\laub\W-Schrank\Halter.prt not found
9: 43: File \UG-e-0127349\cad_daten\db\UG6\GL698-0 0.prt not found
12: 178: File \disk2\users\cad\pfeifer\01_Zaehler\20hauptleideckel.prt not found

Result:
Halter.prt
GL698-0 0.prt
20hauptleideckel.prt
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Example.....: 14
#New.....: 20.10.2021
#LUp.....:
PaFad.....: Parse ItemRevision from NX.syslog via Reg Expression
Find.....: ^.*? PN=(.*) PRN=(.*) .*$
Replace.....: $1/$2

SourceData:
19396: Teamcenter Integration: failed to download file in second thread for %UGMGR=V3.2 PH=knSpbOEtIrfgRD PRH=AmBmqMVIrfgRD PH=CAD-T3904-187 PRN=E RT="has shape" AT="UG master part file" err 940767 - Wed Oct 20 12:29:04 2021
Mitteleuropäische Sommerzeit

Result CAD-T3904-187/E
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Example.....: 15
#New.....: 02.02.2022
#LUp.....: 02.02.2022
PaFad.....: remove all <returns></returns>
Find.....: (\r\n\n)[ \t]*'([ \t]*<value>[s']*<value>[ \t]*(\r\n\n))
Find.....: (\r\n\n)[ \t]*'([ \t]*<remarks>[s']*<remarks>[ \t]*(\r\n\n))
Find.....: (\r\n\n)[ \t]*'([ \t]*<returns>[s']*<returns>[ \t]*(\r\n\n))
Replace.....: $1

SourceData:
''' <summary>
''' ersetzt in Namen #Chr(59)# durch ;
''' = umkehrung von Semik_Out
''' </summary>
''' <param name="NameIn"></param>
''' <returns></returns>
''' <remarks></remarks>
Public Shared Function Semik Revers(ByVal NameIn As String) As String
    Return NameIn.Replace("#Chr(59)#", ";")
End Function

Result

Gelbe !! Zeile ist dann weg !!
''' <summary>

```

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''' ersetzt in Namen #Chr(59)# durch ;
''' = umkehrung von Semik_Out
''' </summary>
''' <param name="NameIn"></param>
''' <remarks></remarks>
Public Shared Function Semik_Revers(ByVal NameIn As String) As String
    Return NameIn.Replace("#Chr(59)#", ";")
End Function

```

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Example.....: 15
#New.....: 16.02.2022 / J.Fes
Description...: 2030207_C_master_2030207-C_#NX01prePU.xml -> 2030207_C

Find.....: ^(.*)(_master_|altrep_).*
Replace.....: $1

Principe.....: ^          -> find from start of line
                (.*)_master_|altrep_ -> seach until last char '_' hits and store in $1
                (.*)$          -> goto end of line

                $1            -> Restore $1

```

Source Data:

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2088391_C_master_2088391-C_#NX01prePU.xml
2088392_C_altrep_2088392-C-002_#NX01prePU.xml

```

Result Data:

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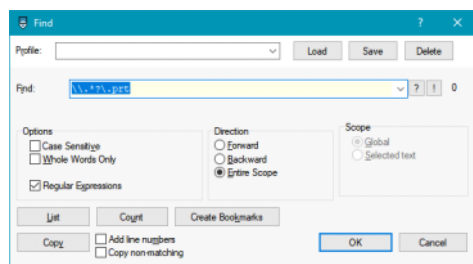
2088391_C
2088392_C

```

```

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Example.....: 16
#New.....: 22.03.2022
#LUP.....:
#Pad.....: find files_NE *.prt inc path
Find.....: \\.*?\\.*.prt

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SourceData:

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7: 39: File \\disk2\users\cad\laub\W-Schrank\Halter.prt not found
9: 43: File \\08-2-0127349\cad_daten\08\005\GL698-0_0.prt not found
12: 178: File \\disk2\users\cad\pfeifer\01_Zaehler\20hauptleideckel.prt not found

Result:
Halter.prt
GL698-0_0.prt
20hauptleideckel.prt

```

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Example.....: 17
#New.....: 17.08.2023
#LUP.....: 17.08.2023

Source Data
10078,45: [-> ApplInf:WRN_120_BOMAnalyse_TimeMax: used Time:300,094=>300 [sec] max to analyse AP:[E1B100405476/A] reached!!
731,45: [-> ApplInf:WRN_120_BOMAnalyse_TimeMax: used Time:300,087=>300 [sec] max to analyse AP:[E1B101131589/A] reached!!
7323,45: [-> ApplInf:WRN_120_BOMAnalyse_TimeMax: used Time:300,062=>300 [sec] max to analyse AP:[E1B000008373/A] reached!!

```

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Find.....: ^(.*)\[([.]*\])(.*)
Replace.....: $2

Principe.....: (.*)\[      -> find from start of line until last '[' = Store in $1
                (.*)\]      -> find all chars until ']' = Store in $2
                (.*)$        -> goto end of line = Store in $3

```

Result Data:

```

E1B100405476/A
E1B101131589/A
E1B000008373/A

```

```

Find.....: ^(.*)AP:[([.]*\])(.*)
Replace.....: $2

```

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Example.....: 1?
#New.....: ??
#LUP.....:

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Example.....: 1?
#New.....: ??
#LUP.....:

```

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