Subject: Re: Removing (or replacing) substrings in a string array
Posted by on Wed, 22 Jan 2014 15:34:26 GMT
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Den onsdagen den 22:e januari 2014 kl. 16:19:14 UTC+1 skrev Matthew Argall:
> I used the following site to learn about regular expressions. It is a bit wordy, but gets the job done.
> http://www.regular-expressions.info/tutorial.html

Thanks, I'll have a look at it.

```
> ;Strings
> myStr1 = '.aldfa09741_{}+=!@#$%^&*(.'
> myStr2 = 'aldfa09741_{}+=!@#$%^&*(.'
> myStr3 = '.aldfa09741_{}+=!@#$%^&*('
>
> ;Stregex
>
> regex1 = stregex(myStr1, '^\.?([^.]*)\.?$', /SUBEXP, /EXTRACT)
> regex2 = stregex(myStr2, '^\.?([^.]*)\.?$', /SUBEXP, /EXTRACT)
> regex3 = stregex(myStr3, '^\.?([^.]*)\.?$', /SUBEXP, /EXTRACT)
>
> ;Print
>
> print, regex1[1]
> print, regex2[1]
> print, regex3[1]
>
> '^\.?'    -- look for an optional (?) dot (\.) at the beginning of the string (^)
> '([^.]*)' -- look for any character except the dot ([^.]) any number of times (*) and extract it ()
> '\.?$'    -- look for an optional (?) dot (\.) at the end of the string ($)
```

Maybe that is part of the solution. I hadn't realized you can use the subexp that way. But it fails when there are more fields. The dots are (in general) the separators between multiple fields.

```
IDL> mystr4= 'gag.aldfa09741_{}+=!@#$%^&*(.sdf'
IDL> regex4 = stregex(myStr4, '^\.?([^.]*)\.?$', /SUBEXP, /EXTRACT)
```

Then regex4 is an array of two empty strings.