Subject: Re: removing substring from string array
Posted by Jean H. on Mon, 02 Apr 2007 21:40:55 GMT
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rchughes@gmail.com wrote:
> Hi All,
>
> Does anyone know a quick way to remove the same prefix from all
> elements in a string array?
>
> Here is an example:
> start with string_array = ['dog.spot', 'dog.rover', 'dog.lucky']
>
> and get ['spot', 'rover', 'lucky']
>
> The only way I know I can do this is with a FOR loop and the
> STRSPLIT(string_array[i], '.', /EXTRACT) command. I am hoping someone
> could help me out with a much more efficient way if there is one.
>
> Thanks in advance,
> Ryan.
>

Hi,

If you know that every element in the array starts with the prefix, you
can do something like
prefixLength = strlen(prefix)
stringWithoutPrefix = strmid(stringArray, prefixLength)

If some entries may NOT start with the prefix, you can extract the
prefix, verify it and if it is the good one, remove it

prefix_array = strmid(stringArray, 0, prefixLength)
entriesWithThePrefix = where(prefix_array eq rebin(prefix,
n_elements(stringArray))

stringWithoutPrefix = strmid(stringArray[entriesWithThePrefix],
prefixLength)

You might want to do something to keep the entries that do not start
with the prefix

Hope that helps,
Jean