Hi Paulo,

Great ideas! I just added #1 to the list (ha!) of potential features
for IDL 8.1.

Regarding #2, what if you could use additional indices to access array
elements within lists?

For example:

IDL> a = LIST(FINDGEN(10), BYTARR(5,3))
IDL> help, a[0]
<Expression>   FLOAT   = Array[10]
IDL> help, a[0,3]   ; currently throws an error in IDL8.0
<Expression>   FLOAT   =   3.00000
IDL> a[0,3] = !pi   ; currently throws an error in IDL8.0

IDL> help, a[1]
<Expression>   BYTE   = Array[5, 3]
IDL> help, a[1,4,2]   ; currently throws an error in IDL8.0
<Expression>   BYTE   =   0
IDL> a[1,4,2] = 255   ; currently throws an error in IDL8.0

So the first index would give the list element, and the remaining
indices would index into the array itself. Obviously you could only
have up to 7 dimensions in your contained array, but that probably
isn't a huge limitation.

Thoughts?

-Chris
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