
Subject: Re: Config files

Posted by [Robert Barnett](#) on Fri, 10 Feb 2006 04:43:58 GMT

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Another way is to do it with structures. Just keep your settings in a structure variable which is defined in a common block. I have included some example code to read and write structures to/from a text file. Mind the line feeds inserted by Google.

```
pro rt_textstructRead, struct, filename
    print, "Reading", filename
    if (N_ELEMENTS(struct) EQ 0) then return
    if (~ file_test(filename, /READ)) then message, "Cannot read"
text struct
ure file " + string(filename)
    openr, lun1, filename, /GET_LUN
    names = tag_names(struct)
    pair = ""
    while (not EOF(lun1)) do begin
        readf, lun1, pair
        hashi = strpos(pair, '#')
        if (hashi GE 0) then pair = strmid(pair, 0, hashi)
        eqi = strpos(pair, '=')
        if (eqi GE 1) then begin
            name = strupcase(strtrim(strmid(pair, 0, eqi), 2))
            for i=0, N_TAGS(struct)-1 DO BEGIN
                if (names[i] EQ name) then begin
                    value = struct.(i)
                    setvalue =
strtrim(strmid(pair, eqi+1, str
len(pair)-eqi), 2)
                    if (setvalue ne "") then begin
                        reads, setvalue, value
                        struct.(i) = value
                    endif
                endif
            endfor
        endif
    endwhile
    free_lun, lun1
end
```

```
pro rt_textstructWrite, struct, filename
    if (N_ELEMENTS(struct) EQ 0) then return
    openw, lun1, filename, /GET_LUN
    names = tag_names(struct)
    for i=0, N_TAGS(struct)-1 DO BEGIN
```

```
        printf, lun1, names[i], "    = ",struct.(i)
    endfor
    printf, lun1
    free_lun, lun1
end
```

Robbie
