

# The **tagpdf-space** module code related to real space chars part of the tagpdf package

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```
1 <@@=tag>
2 <*space>
3 \ProvidesExplPackage {tagpdf-space-code} {2021-06-14} {0.82}
4 {part of tagpdf - code related to real space chars}
```

## 1 Code for interword spaces

The code is engine/backend dependant. Basically only pdftex and luatex support real space chars. Most of the code for luatex which uses attributes is in the lua code, here are only the keys.

```
interwordspace
  show-spaces
5 \sys_if_engine_pdftex:T
6 {
7   \sys_if_output_pdf:TF
8   {
9     \pdfglyphtounicode{space}{0020}
10    \keys_define:nn { __tag / setup }
11    {
12      interwordspace .choices:nn = { true, on } { \pdfinterwordspaceon },
13      interwordspace .choices:nn = { false, off } { \pdfinterwordspaceon },
14      show-spaces .bool_set:N = \l__tag_showspaces_bool
15    }
16  }
17  {
18    \keys_define:nn { __tag / setup }
19    {
20      interwordspace .choices:nn = { true, on, false, off }
21      { \msg_warning:nnn {tag}{sys-no-interwordspace}{dvi} },
22      show-spaces .bool_set:N = \l__tag_showspaces_bool
23    }
24  }
25 }
26
27
```

---

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```

28 \sys_if_engine luatex:T
29 {
30   \keys_define:nn { __tag / setup }
31   {
32     interwordspace .choices:nn =
33                         { true, on }
34                         { \directlua{ltx.__tag.func.markspaceon()} },
35     interwordspace .choices:nn =
36                         { false, off }
37                         { \directlua{ltx.__tag.func.markspaceoff()} },
38     show-spaces     .choice:,
39     show-spaces / true .code:n =
40                         { \directlua{ltx.__tag.trace.showspace=true} },
41     show-spaces / false .code:n =
42                         { \directlua{ltx.__tag.trace.showspace=nil} },
43     show-spaces .default:n = true
44   }
45 }
46
47 \sys_if_engine xetex:T
48 {
49   \keys_define:nn { __tag / setup }
50   {
51     interwordspace .choices:nn = { true, on }
52     { \msg_warning:nnn {tag}{sys-no-interwordspace}{xetex} },
53     interwordspace .choices:nn = { false, off }
54     { \msg_warning:nnn {tag}{sys-no-interwordspace}{xetex} },
55     show-spaces .bool_set:N = \l__tag_showspace_bool
56   }
57 }

```

(End definition for `interwordspace` and `show-spaces`. These functions are documented on page ??.)

`\__tag_fakespace:` For luatex we need a command for the fake space as equivalent of the pdfTeX primitive.

```

58 \sys_if_engine luatex:T
59 {
60   \cs_new_protected:Nn \__tag_fakespace:
61   {
62     \group_begin:
63     \setattribute\g__tag_interwordspace_attr{1}
64     \setattribute\g__tag_interwordfont_attr
65     {
66       \directlua{tex.print(\the\catcodetable@latex, font.current())}
67     }
68     \skip_horizontal:n{\c_zero_skip}
69     \group_end:
70   }
71 }
72 </space>

```

(End definition for `\__tag_fakespace:`.)

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