

[PATCH 1/3] kernel-doc: support for comma-separated members in structs and unions.

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-10/10362.html>

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Date: Mon, 01 Nov 2004 00:37:39 +0300

Fix the following warnings

```
$ make sgmldocs
```

```
...
```

```
Warning(include/linux/skbuff.h:283): No description found for parameter 'len,data_len,mac_len,csum'
```

```
Warning(include/linux/skbuff.h:283): No description found for parameter  
'local_df,cloned,pkt_type,ip_summed'
```

```
Warning(include/linux/skbuff.h:283): No description found for parameter 'protocol,security'
```

```
...
```

```
Warning(include/linux/skbuff.h:283): No description found for  
parameter 'head,*data,*tail,*end'
```

```
...
```

by adding support for comma-separated members in structs and unions.

Signed-off-by: Alexey Dobriyan <adobriyan@mail.ru>

```
--- a/scripts/kernel-doc 2004-11-01 05:45:19.205305432 +0000
```

```
+++ b/scripts/kernel-doc 2004-11-01 05:57:59.562713536 +0000
```

```
@@ -105,10 +105,7 @@
```

```
# enums and typedefs. Instead of the function name you must write the name  
# of the declaration; the struct/union/enum/typedef must always precede  
# the name. Nesting of declarations is not supported.
```

```
## Use the argument mechanism to document members or constants. In
```

```
## structs and unions you must declare one member per declaration
```

```
## (comma-separated members are not allowed - the parser does not support  
## this).
```

```
+# Use the argument mechanism to document members or constants.
```

```
# e.g.
```

```
## **
```

```
# * struct my_struct - short description
```

```
@@ -1318,22 +1315,40 @@
```

```
    $param = $1;
```

```
    $type = $arg;
```

```
    $type =~ s/([^\(\)]+(\(\*))$param/$1/;
```

Linux–Kernel: [PATCH 1/3] kernel–doc: support for comma–separated members in structs and unions.

```
+ push_parameter($param, $type, $file);
  } else {
    # evil magic to get fixed array parameters to work
    $arg =~ s/(.+\\s+)(.+)[.*$1* $2/;
  - my @args = split('\\s', $arg);
  -
  - $param = pop @args;
  - if ($param =~ m/^(\\*+)(.*)/) {
  - $param = $2;
  - push @args, $1;
  - }
  - elsif ($param =~ m/(.*?)\\s*:\\s*(\\d+)/) {
  - $param = $1;
  - push @args, ":$2";
  +
  + $arg =~ s/^\\s*:\\s*/:/g;
  +
  + my @args = split("\\s*,\\s*", $arg);
  + if ($args[0] =~ m/^*/) {
  + $args[0] =~ s/(\\*+)\\s*/ $1/;
  + }
  + my @first_arg = split("\\s+", shift @args);
  + unshift(@args, pop @first_arg);
  + $type = join " ", @first_arg;
  +
  + foreach $param (@args) {
  + if ($param =~ m/^(\\*+)\\s*(.*)/) {
  + push_parameter($2, "$type $1", $file);
  + }
  + elsif ($param =~ m/(.*?):(\\d+)/) {
  + push_parameter($1, "$type:$2", $file)
  + }
  + else {
  + push_parameter($param, $type, $file);
  + }
  - $type = join " ", @args;
  - }
  + }
  +}
  +
  +sub push_parameter($$$) {
  + my $param = shift;
  + my $type = shift;
  + my $file = shift;

    if ($type eq "" && $param eq "...")
    {
@@ -1362,7 +1377,6 @@

    push @parameterlist, $param;
```

Linux-Kernel: [PATCH 1/3] kernel-doc: support for comma-separated members in structs and unions.

```
    $paramertypes{ $param } = $type;  
- }  
}
```

```
##
```

```
-
```

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