

NAME

groff_omit – demarcate non-printing meta-data in groff input

DESCRIPTION

groff_omit is an auxiliary **groff(7)** macro package, which is intended for use when a mechanism is required for identification of embedded meta-data, within **groff(7)** input, while excluding it from **groff(1)** output, yet facilitating its extraction for use in other contexts. It defines the **OMIT** macro, which may be used by any client macro package, or document, to generate pairs of macro definitions, such as the **CS**, and **CE** macro pair generated by **groff_mspdf(7)**, and used by **pdfroff(1)**, to identify meta-data, within any **groff(7)** input data stream, whence it will be ignored during normal **groff(1)** processing, but will be available for extraction, and inclusion, by **pdfroff(1)**, while processing a nominated style-sheet for the purpose of formatting document front-matter.

The **OMIT** macro may be used to generate arbitrarily named macro pairs, each of which will exhibit the same behaviour as **groff_mspdf(7)**'s **CS** and **CE** pair. Within each such generated macro pair, the macro which corresponds to **CS** — and **CS** itself, of course — records its own name, as a meta-data block initiator, after which it performs the equivalent of the **groff(7)**

```
.ig CE
```

request, (substituting the corresponding macro of the pair for **CE**), thus causing **groff(1)** to ignore the demarcated input data block.

When the meta-data block termination macro, which corresponds to **groff_mspdf(7)**'s **CE** macro, is encountered, it checks that there is a record of an active meta-data block, initiated by its corresponding initiator macro, and then deletes the initiation record. If no such initiation record exists, a diagnostic message is displayed, reporting this as an error.

USAGE

The **groff_omit** macros are normally loaded by another, dependent client macro package, using a **groff(7)** request of the form:

```
.mso omit.tmac
```

To designate the client macro package as the origin for any associated diagnostic messages, the loading request may be qualified, for example, as when loaded by the **groff_mspdf(7)** package, to designate “*spdf.tmac*” as the message origin, and then generate the **CS** and **CE** macro pair:

```
.ds OMIT.SETUP -client spdf.tmac
.mso omit.tmac
.OMIT CS CE
```

More generally, specification of the **OMIT.SETUP** string is optional; if it *is* specified, its definition *must* be placed *before* the *omit.tmac* file is loaded, and it must conform to the syntax:

```
.ds OMIT.SETUP [-client <message-source>] [[-replace <diagnostic-macro-name>] ...]
```

specifying the optional initialization arguments:

-client <message-source>

Designates <message-source> as the effective origin of *all* messages which are displayed by the **OMIT** API's diagnostic macro; if this option is not specified, <message-source> is assigned a default value of “*omit.tmac*”.

-replace <diagnostic-macro-name>

Specifies that the **OMIT** API's diagnostic macro should be used, in place of the original diagnostic macro named by <diagnostic-macro-name>; this option may be repeated, as many times as may be necessary, to replace any number of other diagnostic macros.

Following initialization of the **OMIT** API, as described above, the **OMIT** macro may be called, at any appropriate time, to generate arbitrarily named meta-data demarcating macro pairs, in accordance with the generalized syntactic form:

```
.OMIT <start-macro-name> <end-macro-name>
```

Given that neither of the macros designated by <start-macro-name>, nor <end-macro-name>, has any capability for interpretation of arguments, the general format for the use of any macro pair, generated by such use of the **OMIT** macro, is:

```
.<start-macro-name>
any block of document meta-data, or other arbitrary content,
which is not to be interpreted during normal groff(1) processing,
but which should otherwise be explicitly identifiable;
this data block ends on invocation of ...
.<end-macro-name>
```

Any such block of data may then be extracted, for use in a context *other than* normal **groff(1)** processing, for example, by directing a copy of the **groff(1)** input data stream through a filter such as:

```
sed -n '/^\. *<start-macro-name>/, /^\. *<end-macro-name>/p'
```

and processing the resultant output, in whatever manner may be appropriate.

CONTROL VARIABLES

The **groff_omit** package interprets *one* **groff(7)** string variable, namely **OMIT.SETUP**; when this is defined *before* the *omit.tmac* file is loaded, its value is interpreted as a specification of the arguments to be passed to the **OMIT** API initialization logic; if undefined, this initialization logic behaves as if passed a default value of “**-client omit.tmac**”. The **groff_mspdf(7)** macro package uses this facility, to insinuate its own name, “*spdf.tmac*”, as the effective source of messages originating from within itself, **groff_omit**, and **groff_ms(7)**.

FILES

/usr/local/share/groff/site-tmac/omit.tmac

Implements the **OMIT** macro, its associated API initialization logic, and diagnostic macro.

AUTHORS

The **groff_omit** macros are provided as a constituent of the *groff-pdfmark* package, which was written by Keith Marshall <keith.d.marshall@ntlworld.com>; this is maintained, independently of *GNU roff*, at Keith's *groff-pdfmark* project hosting web-site <<https://savannah.nongnu.org/projects/groff-pdfmark/>>, whence it is also distributed, and the latest version may *always* be obtained.

SEE ALSO

groff(1), **pdfroff(1)**, **groff(7)**, **groff_ms(7)**, **groff_mspdf(7)**

More comprehensive documentation, on the use of the *groff-pdfmark* macro suite may be found, in PDF format, in the reference guide “*Portable Document Format Publishing with GNU Troff*”, which has also been written by Keith Marshall; the most recently published version of this guide may be read online, by following the appropriate document reference link on the *groff-pdfmark* project hosting web-site <<https://savannah.nongnu.org/projects/groff-pdfmark/>>, whence a copy may also be downloaded.