

Romanian Module for datetime2 Package

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This module is currently unmaintained and may be subject to change. If you want to volunteer to take over maintenance, contact me at <http://www.dickimaw-books.com/contact.html>

Abstract

This is the Romanian language module for the `datetime2` package. If you want to use the settings in this module you must install it in addition to installing `datetime2`. If you use `babel` or `polyglossia`, you will need this module to prevent them from redefining `\today`. The `datetime2` `useregional` setting must be set to `text` or `numeric` for the language styles to be set. Alternatively, you can set the style in the document using `\DTMsetstyle`, but this may be changed by `\date{language}` depending on the value of the `useregional` setting.

I've copied the date style from `babel-romanian's \today`.

I don't know if these settings are correct as I can't speak Romanian. In particular, I don't know if the `romanian` time style is correct. Currently this just uses the `default` time style. Please be aware that this may change. Whoever takes over maintenance of this module may change it as appropriate.

The new maintainer should add the line:

The Current Maintainer of this work is Name.

to the preamble part in `datetime2-romanian.ins` where Name is the name of the maintainer(s) and replace the 'inactive' status to 'maintained'.

Currently there is only a regionless style.

1 The Code

1.1 UTF-8

This file contains the settings that use UTF-8 characters. This file is loaded if XeLaTeX or LuaLaTeX are used. Please make sure your text editor is set to UTF-8 if you want to view this code. Identify module

```
1\ProvidesDateTimeModule{romanian-utf8}[2015/03/31 v1.0]
```

`\DTMromanianordinal`

```
2 \newcommand*{\DTMromanianordinal}[1]{%  
3   \number#1  
4 }
```

`\DTMromanianmonthname` Romanian month names.

```
5 \newcommand*{\DTMromanianmonthname}[1]{%  
6   \ifcase#1  
7   \or  
8   ianuarie%  
9   \or  
10  februarie%  
11  \or  
12  martie%  
13  \or  
14  aprilie%  
15  \or  
16  mai%  
17  \or  
18  iunie%  
19  \or  
20  iulie%  
21  \or  
22  august%  
23  \or  
24  septembrie%  
25  \or  
26  octombrie%  
27  \or  
28  noiembrie%  
29  \or  
30  decembrie%  
31  \fi  
32 }
```

`\DTMromanianMonthname` As above but capitalize.

```
33 \newcommand*{\DTMromanianMonthname}[1]{%  
34   \ifcase#1  
35   \or  
36   Ianuarie%  
37   \or  
38   Februarie%  
39   \or  
40   Martie%  
41   \or  
42   Aprilie%  
43   \or  
44   Mai%  
45   \or
```

```

46 Iunie%
47 \or
48 Iulie%
49 \or
50 August%
51 \or
52 Septembrie%
53 \or
54 Octombrie%
55 \or
56 Noiembrie%
57 \or
58 Decembrie%
59 \fi
60 }

```

If abbreviated dates are supported, short month names should be likewise provided.

```

\DTMromanianweekdayname Day of week names.
61 \newcommand*{\DTMromanianweekdayname}[1]{%
62 \ifcase#1
63 luni%
64 \or
65 marți%
66 \or
67 miercuri%
68 \or
69 joi%
70 \or
71 vineri%
72 \or
73 sâmbătă%
74 \or
75 duminică%
76 \fi
77 }

```

```

\DTMromanianWeekdayname As above but start with a capital.
78 \newcommand*{\DTMromanianWeekdayname}[1]{%
79 \ifcase#1
80 Luni%
81 \or
82 Marți%
83 \or
84 Miercuri%
85 \or
86 Joi%
87 \or
88 Vineri%
89 \or

```

```

90 Sămbătă%
91 \or
92 Duminică%
93 \fi
94 }

```

1.2 ASCII

This file contains the settings that use \LaTeX commands for non-ASCII characters. This should be input if neither XeLaTeX nor LuaLaTeX are used. Even if the user has loaded inputenc with utf8, this file should still be used not the `datetime2-romanian-utf8.ldf` file as the non-ASCII characters are made active in that situation and would need protecting against expansion. Identify module

```
95 \ProvidesDateTimeModule{romanian-ascii}[2015/03/31 v1.0]
```

If abbreviated dates are supported, short month names should be likewise provided.

`\DTMromanianordinal`

```

96 \newcommand*{\DTMromanianordinal}[1]{%
97   \number#1
98 }

```

`\DTMromanianmonthname`

Romanian month names.

```

99 \newcommand*{\DTMromanianmonthname}[1]{%
100   \ifcase#1
101   \or
102   ianuarie%
103   \or
104   februarie%
105   \or
106   martie%
107   \or
108   aprilie%
109   \or
110   mai%
111   \or
112   iunie%
113   \or
114   iulie%
115   \or
116   august%
117   \or
118   septembrie%
119   \or
120   octombrie%
121   \or
122   noiembrie%
123   \or
124   decembrie%

```

```
125 \fi
126 }
```

`\DTMromanianMonthname` As above but capitalize.

```
127 \newcommand*{\DTMromanianMonthname}[1]{%
128 \ifcase#1
129 \or
130 Ianuarie%
131 \or
132 Februarie%
133 \or
134 Martie%
135 \or
136 Aprilie%
137 \or
138 Mai%
139 \or
140 Iunie%
141 \or
142 Iulie%
143 \or
144 August%
145 \or
146 Septembrie%
147 \or
148 Octombrie%
149 \or
150 Noiembrie%
151 \or
152 Decembrie%
153 \fi
154 }
```

`\DTMromanianweekdayname` Day of week names.

```
155 \newcommand*{\DTMromanianweekdayname}[1]{%
156 \ifcase#1
157 luni%
158 \or
159 mar\protect\c ti%
160 \or
161 miercuri%
162 \or
163 joi%
164 \or
165 vineri%
166 \or
167 s\protect\^amb\protect\u at\protect\u a%
168 \or
169 duminic\protect\u a%
170 \fi
```

```
171 }
```

`\DTMromanianWeekdayname` As above but start with a capital.

```
172 \newcommand*{\DTMromanianWeekdayname}[1]{%
173   \ifcase#1
174   Luni%
175   \or
176   Mar\protect\c ti%
177   \or
178   Miercuri%
179   \or
180   Joi%
181   \or
182   Vineri%
183   \or
184   S\protect\^amb\protect\u at\protect\u a%
185   \or
186   Duminic\protect\u a%
187   \fi
188 }
```

1.3 Main Romanian Module (`datetime2-romanian.1df`)

Identify Module

```
189 \ProvidesDateTimeModule{romanian}[2015/03/31 v1.0]
```

Need to find out if XeTeX or LuaTeX are being used.

```
190 \RequirePackage{ifxetex,ifluatex}
```

XeTeX and LuaTeX natively support UTF-8, so load `romanian-utf8` if either of those engines are used otherwise load `romanian-ascii`.

```
191 \ifxetex
192   \RequireDateTimeModule{romanian-utf8}
193 \else
194   \ifluatex
195     \RequireDateTimeModule{romanian-utf8}
196   \else
197     \RequireDateTimeModule{romanian-ascii}
198   \fi
199 \fi
```

Define the `romanian` style. The time style is the same as the default style provided by `datetime2`. This may need correcting. For example, if a 12 hour style similar to the `englishampm` (from the `english-base` module) is required.

Allow the user a way of configuring the `romanian` and `romanian-numeric` styles. This doesn't use the package wide separators such as `\dtm@datetimesep` in case other date formats are also required.

`\DTMromaniandaymonthsep` The separator between the day and month for the text format.

```
200 \newcommand*{\DTMromaniandaymonthsep}{%}
```

```
201 \DTMtexorpdfstring{\protect-}{\space}%
202 }
```

`\DTMromanianmonthyearsep` The separator between the month and year for the text format.

```
203 \newcommand*{\DTMromanianmonthyearsep}{\space}
```

`\DTMromaniandatetimesep` The separator between the date and time blocks in the full format (either text or numeric).

```
204 \newcommand*{\DTMromaniandatetimesep}{\space}
```

`\DTMromariantimezonesep` The separator between the time and zone blocks in the full format (either text or numeric).

```
205 \newcommand*{\DTMromariantimezonesep}{\space}
```

`\DTMromaniandatesep` The separator for the numeric date format.

```
206 \newcommand*{\DTMromaniandatesep}{.}
```

`\DTMromariantimesep` The separator for the numeric time format.

```
207 \newcommand*{\DTMromariantimesep}{:}
```

Provide keys that can be used in `\DTMlangsetup` to set these separators.

```
208 \DTMdefkey{romanian}{daymonthsep}{\renewcommand*{\DTMromaniandaymonthsep}{#1}}
```

```
209 \DTMdefkey{romanian}{monthyearsep}{\renewcommand*{\DTMromanianmonthyearsep}{#1}}
```

```
210 \DTMdefkey{romanian}{datetimesep}{\renewcommand*{\DTMromaniandatetimesep}{#1}}
```

```
211 \DTMdefkey{romanian}{timezonesep}{\renewcommand*{\DTMromariantimezonesep}{#1}}
```

```
212 \DTMdefkey{romanian}{datesep}{\renewcommand*{\DTMromaniandatesep}{#1}}
```

```
213 \DTMdefkey{romanian}{timesep}{\renewcommand*{\DTMromariantimesep}{#1}}
```

TODO: provide a boolean key to switch between full and abbreviated formats if appropriate. (I don't know how the date should be abbreviated.)

Define a boolean key that determines if the time zone mappings should be used.

```
214 \DTMdefboolkey{romanian}{mapzone}[true]{} 
```

The default is to use mappings.

```
215 \DTMsetbool{romanian}{mapzone}{true}
```

Define a boolean key that determines if the day of month should be displayed.

```
216 \DTMdefboolkey{romanian}{showdayofmonth}[true]{} 
```

The default is to show the day of month.

```
217 \DTMsetbool{romanian}{showdayofmonth}{true}
```

Define a boolean key that determines if the year should be displayed.

```
218 \DTMdefboolkey{romanian}{showyear}[true]{} 
```

The default is to show the year.

```
219 \DTMsetbool{romanian}{showyear}{true}
```

Define the `romanian` style. (TODO: implement day of week?)

```
220 \DTMnewstyle
```

```
221 {romanian}% label
```

```
222 {% date style
```

```
223 \renewcommand*{\DTMdisplaydate[4]}{%
```

```

224 \DTMifbool{romanian}{showdayofmonth}
225 {\DTMromanianordinal{##3}\DTMromaniandaymonthsep}%
226 }%
227 \DTMromanianmonthname{##2}%
228 \DTMifbool{romanian}{showyear}%
229 {%
230 \DTMromanianmonthyearsep
231 \number##1
232 }%
233 }%
234 }%
235 \renewcommand*\DTMdisplaydate[4]{%
236 \DTMifbool{romanian}{showdayofmonth}
237 {%
238 \DTMromanianordinal{##3}\DTMromaniandaymonthsep
239 \DTMromanianmonthname{##2}%
240 }%
241 {%
242 \DTMromanianMonthname{##2}%
243 }%
244 \DTMifbool{romanian}{showyear}%
245 {%
246 \DTMromanianmonthyearsep
247 \number##1
248 }%
249 }%
250 }%
251 }%
252 {% time style (use default)
253 \DTMsettimestyle{default}%
254 }%
255 {% zone style
256 \DTMresetzones
257 \DTMromanianzonemaps
258 \renewcommand*\DTMdisplayzone}[2]{%
259 \DTMifbool{romanian}{mapzone}%
260 {\DTMusezonemapordefault{##1}{##2}}%
261 {%
262 \ifnum##1<0\else\fi\DTMtwodigits{##1}%
263 \ifDTMshowzoneminutes\DTMromaniantimesep\DTMtwodigits{##2}\fi
264 }%
265 }%
266 }%
267 {% full style
268 \renewcommand*\DTMdisplay}[9]{%
269 \ifDTMshowdate
270 \DTMdisplaydate{##1}{##2}{##3}{##4}%
271 \DTMromaniandatetimesep
272 \fi
273 \DTMdisplaytime{##5}{##6}{##7}%

```



```

274 \ifDTMshowzone
275 \DTMromaniantimezonesep
276 \DTMdisplayzone{##8}{##9}%
277 \fi
278 }%
279 \renewcommand*\DTMDisplay}[9]{%
280 \ifDTMshowdate
281 \DTMDisplaydate{##1}{##2}{##3}{##4}%
282 \DTMromaniandatetimesep
283 \fi
284 \DTMdisplaytime{##5}{##6}{##7}%
285 \ifDTMshowzone
286 \DTMromaniantimezonesep
287 \DTMdisplayzone{##8}{##9}%
288 \fi
289 }%
290 }%
    Define numeric style.
291 \DTMnewstyle
292 {romanian-numeric}% label
293 {% date style
294 \renewcommand*\DTMdisplaydate[4]{%
295 \DTMifbool{romanian}{showdayofmonth}%
296 {%
297 \number##3 % space intended
298 \DTMromaniandatesep
299 }%
300 }%
301 \number##2 % space intended
302 \DTMifbool{romanian}{showyear}%
303 {%
304 \DTMromaniandatesep
305 \number##1 % space intended
306 }%
307 }%
308 }%
309 \renewcommand*\DTMDisplaydate{\DTMdisplaydate}%
310 }%
311 {% time style
312 \renewcommand*\DTMdisplaytime[3]{%
313 \number##1
314 \DTMromaniantimesep\DTMtwdigits{##2}%
315 \ifDTMshowseconds\DTMromaniantimesep\DTMtwdigits{##3}\fi
316 }%
317 }%
318 {% zone style
319 \DTMresetzones
320 \DTMromanianzonemaps
321 \renewcommand*\DTMdisplayzone}[2]{%

```

```

322 \DTMifbool{romanian}{mapzone}%
323 {\DTMusezonemapordefault{##1}{##2}}%
324 {%
325 \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
326 \ifDTMshowzoneminutes\DTMromaniantimesep\DTMtwodigits{##2}\fi
327 }%
328 }%
329 }%
330 {% full style
331 \renewcommand*{\DTMdisplay}[9]{%
332 \ifDTMshowdate
333 \DTMdisplaydate{##1}{##2}{##3}{##4}%
334 \DTMromaniandatatimesep
335 \fi
336 \DTMdisplaytime{##5}{##6}{##7}%
337 \ifDTMshowzone
338 \DTMromaniantimezonesep
339 \DTMdisplayzone{##8}{##9}%
340 \fi
341 }%
342 \renewcommand*{\DTMDisplay}{\DTMdisplay}%
343 }

```

`\DTMromanianzonemaps` The time zone mappings are set through this command, which can be redefined if extra mappings are required or mappings need to be removed.

```

344 \newcommand*{\DTMromanianzonemaps}{%
345 \DTMdefzonemap{02}{00}{EET}%
346 \DTMdefzonemap{03}{00}{EEST}%
347 }

```

Switch style according to the `userregional` setting.

```

348 \DTMifcaseregional
349 {}% do nothing
350 {\DTMsetstyle{romanian}}
351 {\DTMsetstyle{romanian-numeric}}

```

Redefine `\dateromanian` (or `\date{dialect}`) to prevent babel from resetting `\today`. (For this to work, babel must already have been loaded if it's required.)

```

352 \ifcsundef{date\CurrentTrackedDialect}
353 {%
354 \ifundef\dateromanian
355 {% do nothing
356 }%
357 {%
358 \def\dateromanian{%
359 \DTMifcaseregional
360 }% do nothing
361 {\DTMsetstyle{romanian}}%
362 {\DTMsetstyle{romanian-numeric}}%
363 }%

```

```
364 }%
365 }%
366 {%
367   \csdef{date\CurrentTrackedDialect}{%
368     \DTMifcaseregional
369     {}% do nothing
370     {\DTMsetstyle{romanian}}%
371     {\DTMsetstyle{romanian-numeric}}
372   }%
373 }%
```

Change History

1.0
General: Initial release 1, 4, 6

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