

Romanian Module for datetime2 Package

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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 `userregional` 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 `userregional` setting.

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 \ProvidesDate{TimeModule}{romanian-utf8}[2017/04/08 v1.01]
```

```
\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%
```

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```

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 start with a capital.

```

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 }

```

\DTMromanianshortmonthname Abbreviated Romanian month names.

```

61 \newcommand*{\DTMromanianshortmonthname}[1]{%
62   \ifcase#1
63   \or
64   ian.%
65   \or
66   feb.%
67   \or
68   mart.%
69   \or
70   apr.%
71   \or
72   mai%
73   \or
74   iun.%
75   \or
76   iul.%
77   \or
78   aug.%
79   \or
80   sept.%
81   \or
82   oct.%
83   \or
84   nov.%
85   \or
86   dec.%
87   \fi
88 }
```

\DTMromanianshortMonthname As above but start with a capital.

```

89 \newcommand*{\DTMromanianshortMonthname}[1]{%
90   \ifcase#1
91   \or
92   Ian.%
93   \or
94   Feb.%
95   \or
96   Mart.%
97   \or
98   Apr.%
99   \or
100  Mai%
101  \or
102  Iun.%
103  \or
104  Iul.%
105  \or
106  Aug.%
107  \or
```

```

108 Sept.%
109 \or
110 Oct.%
111 \or
112 Nov.%
113 \or
114 Dec.%
115 \fi
116 }

```

`\DTMromanianweekdayname` Romanian day of week names.

```

117 \newcommand*{\DTMromanianweekdayname}[1]{%
118 \ifcase#1
119 luni%
120 \or
121 marți%
122 \or
123 miercuri%
124 \or
125 joi%
126 \or
127 vineri%
128 \or
129 sâmbătă%
130 \or
131 duminică%
132 \fi
133 }

```

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

```

134 \newcommand*{\DTMromanianWeekdayname}[1]{%
135 \ifcase#1
136 Luni%
137 \or
138 Marți%
139 \or
140 Miercuri%
141 \or
142 Joi%
143 \or
144 Vineri%
145 \or
146 Sâmbătă%
147 \or
148 Duminică%
149 \fi
150 }

```

`\DTMromanianshorttweekdayname` Abbreviated Romanian day of week names.

```

151 \newcommand*{\DTMromanianshortweekdayname}[1]{%
152   \ifcase#1
153   lun.%
154   \or
155   mar.%
156   \or
157   mie.%
158   \or
159   joi%
160   \or
161   vin.%
162   \or
163   sâm.%
164   \or
165   dum.%
166   \fi
167 }

```

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

```

168 \newcommand*{\DTMromanianshortWeekdayname}[1]{%
169   \ifcase#1
170   Lun.%
171   \or
172   Mar.%
173   \or
174   Mie.%
175   \or
176   Joi%
177   \or
178   Vin.%
179   \or
180   Sâm.%
181   \or
182   Dum.%
183   \fi
184 }

```

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

```

185 \ProvidesDateTimeModule{romanian-ascii}[2017/04/08 v1.01]

```

`\DTMromanianordinal`

```

186 \newcommand*{\DTMromanianordinal}[1]{%
187   \number#1

```

188 }

`\DTMromanianmonthname` Romanian month names.

```
189 \newcommand*{\DTMromanianmonthname}[1]{%
190   \ifcase#1
191   \or
192   ianuarie%
193   \or
194   februarie%
195   \or
196   martie%
197   \or
198   aprilie%
199   \or
200   mai%
201   \or
202   iunie%
203   \or
204   iulie%
205   \or
206   august%
207   \or
208   septembrie%
209   \or
210   octombrie%
211   \or
212   noiembrie%
213   \or
214   decembrie%
215   \fi
216 }
```

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

```
217 \newcommand*{\DTMromanianMonthname}[1]{%
218   \ifcase#1
219   \or
220   Ianuarie%
221   \or
222   Februarie%
223   \or
224   Martie%
225   \or
226   Aprilie%
227   \or
228   Mai%
229   \or
230   Iunie%
231   \or
232   Iulie%
233   \or
```

```

234 August%
235 \or
236 Septembrie%
237 \or
238 Octombrie%
239 \or
240 Noiembrie%
241 \or
242 Decembrie%
243 \fi
244 }

```

`\DTMromanianshortmonthname` Abbreviated Romanian month names.

```

245 \newcommand*{\DTMromanianshortmonthname}[1]{%
246   \ifcase#1
247   \or
248   ian.%
249   \or
250   feb.%
251   \or
252   mart.%
253   \or
254   apr.%
255   \or
256   mai%
257   \or
258   iun.%
259   \or
260   iul.%
261   \or
262   aug.%
263   \or
264   sept.%
265   \or
266   oct.%
267   \or
268   nov.%
269   \or
270   dec.%
271   \fi
272 }

```

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

```

273 \newcommand*{\DTMromanianshortMonthname}[1]{%
274   \ifcase#1
275   \or
276   Ian.%
277   \or
278   Feb.%
279   \or

```

```

280 Mart.%
281 \or
282 Apr.%
283 \or
284 Mai%
285 \or
286 Iun.%
287 \or
288 Iul.%
289 \or
290 Aug.%
291 \or
292 Sept.%
293 \or
294 Oct.%
295 \or
296 Nov.%
297 \or
298 Dec.%
299 \fi
300 }

```

```

\DTMromanianweekdayname Romanian day of week names.
301 \newcommand*{\DTMromanianweekdayname}[1]{%
302 \ifcase#1
303 luni%
304 \or
305 mar\protect\c ti%
306 \or
307 miercuri%
308 \or
309 joi%
310 \or
311 vineri%
312 \or
313 s\protect\^amb\protect\u at\protect\u a%
314 \or
315 duminic\protect\u a%
316 \fi
317 }

```

```

\DTMromanianWeekdayname As above but start with a capital.
318 \newcommand*{\DTMromanianWeekdayname}[1]{%
319 \ifcase#1
320 Luni%
321 \or
322 Mar\protect\c ti%
323 \or
324 Miercuri%
325 \or

```



```

326   Joi%
327   \or
328   Vineri%
329   \or
330   S\protect\^amb\protect\u at\protect\u a%
331   \or
332   Duminic\protect\u a%
333   \fi
334 }

```

DTMromanianshortweekdayname Abbreviated Romanian day of week names.

```

335 \newcommand*{\DTMromanianshortweekdayname}[1]{%
336   \ifcase#1
337   lun.%
338   \or
339   mar.%
340   \or
341   mie.%
342   \or
343   joi%
344   \or
345   vin.%
346   \or
347   s\protect\^am.%
348   \or
349   dum.%
350   \fi
351 }

```

DTMromanianshortweekdayname As above but start with a capital.

```

352 \newcommand*{\DTMromanianshortWeekdayname}[1]{%
353   \ifcase#1
354   Lun.%
355   \or
356   Mar.%
357   \or
358   Mie.%
359   \or
360   Joi%
361   \or
362   Vin.%
363   \or
364   S\protect\^am.%
365   \or
366   Dum.%
367   \fi
368 }

```

1.3 Main Romanian Module (`datetime2-romanian.lfd`)

Identify Module

```
369 \ProvidesDateTimeModule{romanian}[2017/04/08 v1.01]
```

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

```
370 \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`.

```
371 \ifxetex
```

```
372 \RequireDateTimeModule{romanian-utf8}
```

```
373 \else
```

```
374 \ifluatex
```

```
375 \RequireDateTimeModule{romanian-utf8}
```

```
376 \else
```

```
377 \RequireDateTimeModule{romanian-ascii}
```

```
378 \fi
```

```
379 \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.

`\DTMromaniandowdaysep` The separator between the day of week name and the day of month number for the text format.

```
380 \newcommand*{\DTMromaniandowdaysep}{\space}
```

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

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

```
382 \DTMtexorpdfstring{\protect-}{\space}}%
```

```
383 }
```

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

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

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

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

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

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

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

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

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

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

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

```
389 \DTMdefkey{romanian}{dowdaysep}{\renewcommand*\DTMromaniandowdaysep}{#1}}
390 \DTMdefkey{romanian}{daymonthsep}{\renewcommand*\DTMromaniandaymonthsep}{#1}}
391 \DTMdefkey{romanian}{monthyearsep}{\renewcommand*\DTMromanianmonthyearsep}{#1}}
392 \DTMdefkey{romanian}{datetimesep}{\renewcommand*\DTMromaniandatetimesep}{#1}}
393 \DTMdefkey{romanian}{timezonesep}{\renewcommand*\DTMromaniantimezonesep}{#1}}
394 \DTMdefkey{romanian}{datesep}{\renewcommand*\DTMromaniandatesep}{#1}}
395 \DTMdefkey{romanian}{timesep}{\renewcommand*\DTMromaniantimesep}{#1}}
```

Define a boolean key that can switch between full and abbreviated formats for the month and day of week names in the text format.

```
396 \DTMdefboolkey{romanian}{abbr}[true]{}

```

The default is the full name.

```
397 \DTMsetbool{romanian}{abbr}{false}

```

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

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

```

The default is to use mappings.

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

```

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

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

```

The default is to show the day of month.

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

```

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

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

```

The default is to show the year.

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

```

Define the romanian style.

```
404 \DTMnewstyle
405 {romanian}% label
406 {% date style
407   \renewcommand*\DTMdisplaydate[4]{%
408     \ifDTMshowdow
409       \ifnum##4>-1
410         \DTMifbool{romanian}{abbr}%
411         {\DTMromanianshortweekdayname{##4}}%
412         {\DTMromanianweekdayname{##4}}%
413         \DTMromaniandowdaysep
414       \fi
415     \fi
416     \DTMifbool{romanian}{showdayofmonth}%
417     {%
418       \DTMromanianordinal{##3}%
419       \DTMromaniandaymonthsep
420     }%
421   }%
```

```

422 \DTMifbool{romanian}{abbr}%
423 {\DTMromanianshortmonthname{##2}}%
424 {\DTMromanianmonthname{##2}}%
425 \DTMifbool{romanian}{showyear}%
426 {%
427 \DTMromanianmonthyearsep
428 \number##1 % space intended
429 }%
430 {}%
431 }%
432 \renewcommand*{\DTMDisplaydate[4]}{%
433 \ifDTMshowdow
434 \ifnum##4>-1
435 \DTMifbool{romanian}{abbr}%
436 {\DTMromanianshortWeekdayname{##4}}%
437 {\DTMromanianWeekdayname{##4}}%
438 \DTMromaniandowdaysep
439 \DTMifbool{romanian}{showdayofmonth}%
440 {%
441 \DTMromanianordinal{##3}%
442 \DTMromaniandaymonthsep
443 }%
444 {}%
445 \DTMifbool{romanian}{abbr}%
446 {\DTMromanianshortmonthname{##2}}%
447 {\DTMromanianmonthname{##2}}%
448 \DTMifbool{romanian}{showyear}%
449 {%
450 \DTMromanianmonthyearsep
451 \number##1 % space intended
452 }%
453 {}%
454 \else
455 \DTMifbool{romanian}{showdayofmonth}
456 {%
457 \DTMromanianordinal{##3}%
458 \DTMromaniandaymonthsep
459 \DTMifbool{romanian}{abbr}%
460 {\DTMromanianshortmonthname{##2}}%
461 {\DTMromanianmonthname{##2}}%
462 }%
463 {%
464 \DTMifbool{romanian}{abbr}%
465 {\DTMromanianshortMonthname{##2}}%
466 {\DTMromanianMonthname{##2}}%
467 }%
468 \DTMifbool{romanian}{showyear}%
469 {%
470 \DTMromanianmonthyearsep
471 \number##1 % space intended

```

```

472     }%
473     }%
474     \fi
475 \else
476     \DTMifbool{romanian}{showdayofmonth}
477     {%
478         \DTMromanianordinal{##3}%
479         \DTMromaniandaymonthsep
480         \DTMifbool{romanian}{abbr}%
481         {\DTMromanianshortmonthname{##2}}%
482         {\DTMromanianmonthname{##2}}%
483     }%
484     {%
485         \DTMifbool{romanian}{abbr}%
486         {\DTMromanianshortMonthname{##2}}%
487         {\DTMromanianMonthname{##2}}%
488     }%
489     \DTMifbool{romanian}{showyear}%
490     {%
491         \DTMromanianmonthyearsep
492         \number##1 % space intended
493     }%
494     }%
495     \fi
496 }%
497 }%
498 {% time style (ignores seconds)
499 \renewcommand*\DTMdisplaytime[3]{%
500     \number##1
501     \DTMromaniantimesep\DTMtwodigits{##2}%
502 }%
503 }%
504 {% zone style
505     \DTMresetzones
506     \DTMromanianzonemaps
507     \renewcommand*\DTMdisplayzone}[2]{%
508         \DTMifbool{romanian}{mapzone}%
509         {\DTMuseumzonemapordefault{##1}{##2}}%
510         {%
511             \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
512             \ifDTMshowzoneminutes\DTMromaniantimesep\DTMtwodigits{##2}\fi
513         }%
514     }%
515 }%
516 {% full style
517 \renewcommand*\DTMdisplay}[9]{%
518     \ifDTMshowdate
519         \DTMdisplaydate{##1}{##2}{##3}{##4}%
520         \DTMromaniandatetimesep
521     \fi

```

```

522 \DTMdisplaytime{##5}{##6}{##7}%
523 \ifDTMshowzone
524 \DTMromaniantimezonesep
525 \DTMdisplayzone{##8}{##9}%
526 \fi
527 }%
528 \renewcommand*\DTMDisplay}[9]{%
529 \ifDTMshowdate
530 \DTMDisplaydate{##1}{##2}{##3}{##4}%
531 \DTMromaniandatatimesep
532 \fi
533 \DTMdisplaytime{##5}{##6}{##7}%
534 \ifDTMshowzone
535 \DTMromaniantimezonesep
536 \DTMdisplayzone{##8}{##9}%
537 \fi
538 }%
539 }%
    Define numeric style.
540 \DTMnewstyle
541 {romanian-numeric}% label
542 {% date style
543 \renewcommand*\DTMdisplaydate[4]{%
544 \DTMifbool{romanian}{showdayofmonth}%
545 {%
546 \number##3 % space intended
547 \DTMromaniandatesep
548 }%
549 }%
550 \number##2 % space intended
551 \DTMifbool{romanian}{showyear}%
552 {%
553 \DTMromaniandatesep
554 \number##1 % space intended
555 }%
556 }%
557 }%
558 \renewcommand*\DTMDisplaydate{\DTMdisplaydate}%
559 }%
560 {% time style
561 \renewcommand*\DTMdisplaytime[3]{%
562 \number##1
563 \DTMromaniantimesep\DTMtwdigits{##2}%
564 \ifDTMshowseconds\DTMromaniantimesep\DTMtwdigits{##3}\fi
565 }%
566 }%
567 {% zone style
568 \DTMresetzones
569 \DTMromanianzonemaps

```

```

570 \renewcommand*{\DTMdisplayzone}[2]{%
571 \DTMifbool{romanian}{mapzone}%
572 {\DTMusezonemapordefault{##1}{##2}}%
573 {%
574 \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
575 \ifDTMshowzoneminutes\DTMromaniantimesep\DTMtwodigits{##2}\fi
576 }%
577 }%
578 }%
579 {% full style
580 \renewcommand*{\DTMdisplay}[9]{%
581 \ifDTMshowdate
582 \DTMdisplaydate{##1}{##2}{##3}{##4}%
583 \DTMromaniandatetimesep
584 \fi
585 \DTMdisplaytime{##5}{##6}{##7}%
586 \ifDTMshowzone
587 \DTMromaniantimezonesep
588 \DTMdisplayzone{##8}{##9}%
589 \fi
590 }%
591 \renewcommand*{\DTMDisplay}{\DTMdisplay}%
592 }

```

\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.

```

593 \newcommand*{\DTMromanianzonemaps}{%
594 \DTMdefzonemap{02}{00}{EET}%
595 \DTMdefzonemap{03}{00}{EEST}%
596 }

```

Switch style according to the user regional setting.

```

597 \DTMifcaseregional
598 {}% do nothing
599 {\DTMsetstyle{romanian}}
600 {\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.)

```

601 \ifcsundef{date\CurrentTrackedDialect}
602 {%
603 \ifundef\dateromanian
604 {% do nothing
605 }%
606 {%
607 \def\dateromanian{%
608 \DTMifcaseregional
609 }% do nothing
610 {\DTMsetstyle{romanian}}%
611 {\DTMsetstyle{romanian-numeric}}%

```

```
612     }%
613   }%
614 }%
615 {%
616   \csdef{date\CurrentTrackedDialect}{%
617     \DTMifcaseregional
618     }% do nothing
619     {\DTMsetstyle{romanian}}%
620     {\DTMsetstyle{romanian-numeric}}
621   }%
622 }%
```


Change History

1.0		\DTMromanianshortmonthname:
General: Initial release	1, 5, 10	Add abbreviated month names
1.01		\DTMromanianshortweekdayname:
General: Add support for abbr	11	Add abbreviated day of week
Add support for abbr and showdow	11	names
\DTMromaniandowdaysep: Add		\DTMromanianweekdayname: Use
support for showdow	10	T-comma

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