

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 re-defining `\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 \ProvidesDateTImodule{romanian-utf8}[2020/09/21 v1.02]
```

```
\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 }

```

`\DTMromanianshortweekdayname` 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 Xe \LaTeX nor Lua \LaTeX 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}[2020/09/21 v1.02]

```

`\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}[2020/09/21 v1.02]
```

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}
```

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

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

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

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

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

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

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		Add abbreviated day of week names	4, 9
	General: Initial release		1, 5, 10
1.01		\DTMromaniandowdaysep: Add support for showdown	10
	\DTMromanianshortmonthname: Add abbreviated month names		3, 7
	\DTMromanianshortweekdayname:	General: removed spurious space	15
		General: Add support for abbr	11
		Use T-comma	4
		General: Add support for abbr and showdown	11
	1.02		

Index

D		\DTMromanianshortWeekdayname	
\DTMromaniandatesep	10	5, 9
\DTMromaniandatetimesep	10	\DTMromanianshortweekdayname	
\DTMromaniandaymonthsep	10	4, 9
\DTMromaniandowdaysep	10	\DTMromaniantimesep	10
\DTMromanianMonthname	2, 6	\DTMromaniantimezonesep	10
\DTMromanianmonthname	1, 6	\DTMromanianWeekdayname	4, 8
\DTMromanianmonthyearsep	10	\DTMromanianweekdayname	4, 8
\DTMromanianordinal	1, 5	\DTMromanianzonemaps	15
\DTMromanianshortMonthname	3, 7		
\DTMromanianshortmonthname	3, 7	U	
		useregional	1, 15