

Croatian Module for datetime2 Package

Nicola L. C. Talbot (inactive)

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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 Croatian 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-croatian's \today`.

I don't know if these settings are correct as I can't speak Croatian. In particular, I don't know if the `croatian` 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-croatian.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\ProvidesDateTImodule{croatian-utf8}[2015/03/30 v1.0]
```

`\DTMcroatianordinal`

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

`\DTMcroatianyear`

```
5 \newcommand*{\DTMcroatianyear}[1]{%  
6   \number#1.%  
7 }
```

`\DTMcroatianmonthname` Croatian month names.

```
8 \newcommand*{\DTMcroatianmonthname}[1]{%  
9   \ifcase#1  
10  \or  
11  siječnja%  
12  \or  
13  veljače%  
14  \or  
15  ožujka%  
16  \or  
17  travnja%  
18  \or  
19  svibnja%  
20  \or  
21  lipnja%  
22  \or  
23  srpnja%  
24  \or  
25  kolovoza%  
26  \or  
27  rujna%  
28  \or  
29  listopada%  
30  \or  
31  studenoga%  
32  \or  
33  prosinca%  
34  \fi  
35 }
```

`\DTMcroatianMonthname` As above but capitalize.

```
36 \newcommand*{\DTMcroatianMonthname}[1]{%  
37   \ifcase#1  
38   \or  
39   Siječnja%  
40   \or  
41   Veljače%  
42   \or  
43   Ožujka%
```

```

44 \or
45 Travnja%
46 \or
47 Svibnja%
48 \or
49 Lipnja%
50 \or
51 Srpnja%
52 \or
53 Kolovoza%
54 \or
55 Rujna%
56 \or
57 Listopada%
58 \or
59 Studenoga%
60 \or
61 Prosinca%
62 \fi
63 }

```

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

```

\DTMcroatianweekdayname Croatian day of week names.
64 \newcommand*{\DTMcroatianweekdayname}[1]{%
65 \ifcase#1
66 nedjelja%
67 \or
68 ponedjeljak%
69 \or
70 utorak%
71 \or
72 srijeda%
73 \or
74 četvrtak%
75 \or
76 petak%
77 \or
78 subota%
79 \fi
80 }

```

```

\DTMcroatianWeekdayname As above but start with a capital.
81 \newcommand*{\DTMcroatianWeekdayname}[1]{%
82 \ifcase#1
83 Nedjelja%
84 \or
85 Ponedjeljak%
86 \or
87 Utorak%

```

```

88 \or
89 Srijeda%
90 \or
91 Četvrtak%
92 \or
93 Petak%
94 \or
95 Subota%
96 \fi
97 }

```

DTMcroatianshortweekdayname Abbreviated Croatian day of week names.

```

98 \newcommand*{\DTMcroatianshortweekdayname}[1]{%
99 \ifcase#1
100 ned%
101 \or
102 pon%
103 \or
104 uto%
105 \or
106 sri%
107 \or
108 čet%
109 \or
110 pet%
111 \or
112 sub%
113 \fi
114 }

```

DTMcroatianshortWeekdayname As above but start with a capital.

```

115 \newcommand*{\DTMcroatianshortWeekdayname}[1]{%
116 \ifcase#1
117 Ned%
118 \or
119 Pon%
120 \or
121 Uto%
122 \or
123 Sri%
124 \or
125 Čet%
126 \or
127 Pet%
128 \or
129 Sub%
130 \fi
131 }

```

1.2 ASCII

This file contains the settings that use L^AT_EX 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-croatian-utf8.ldf` file as the non-ASCII characters are made active in that situation and would need protecting against expansion. Identify module

```
132 \ProvidesDateTimeModule{croatian-ascii}[2015/03/30 v1.0]
```

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

```
\DTMcroatianordinal
```

```
133 \newcommand*{\DTMcroatianordinal}[1]{%  
134   \number#1.%  
135 }
```

```
\DTMcroatianyear
```

```
136 \newcommand*{\DTMcroatianyear}[1]{%  
137   \number#1.%  
138 }
```

```
\DTMcroatianmonthname Croatian month names.
```

```
139 \newcommand*{\DTMcroatianmonthname}[1]{%  
140   \ifcase#1  
141     \or  
142     sije\protect\v{c}nja%  
143     \or  
144     velja\protect\v{c}e%  
145     \or  
146     o\protect\v{z}ujka%  
147     \or  
148     travnja%  
149     \or  
150     svibnja%  
151     \or  
152     lipnja%  
153     \or  
154     srpnja%  
155     \or  
156     kolovoza%  
157     \or  
158     rujna%  
159     \or  
160     listopada%  
161     \or  
162     studenoga%  
163     \or  
164     prosinca%  
165     \fi  
166 }
```

```

\DTMcroatianMonthname As above but start with a capital.
167 \newcommand*{\DTMcroatianMonthname}[1]{%
168   \ifcase#1
169   \or
170   Sije\protect\v{c}nja%
171   \or
172   Velja\protect\v{c}e%
173   \or
174   O\protect\v{z}ujka%
175   \or
176   Travnja%
177   \or
178   Svibnja%
179   \or
180   Lipnja%
181   \or
182   Srpnja%
183   \or
184   Kolovoza%
185   \or
186   Rujna%
187   \or
188   Listopada%
189   \or
190   Studenoga%
191   \or
192   Prosinca%
193   \fi
194 }

```

```

\DTMcroatianweekdayname Croatian day of week names.
195 \newcommand*{\DTMcroatianweekdayname}[1]{%
196   \ifcase#1
197   nedjelja%
198   \or
199   ponedjeljak%
200   \or
201   utorak%
202   \or
203   srijeda%
204   \or
205   \protect\v{c}etvrtak%
206   \or
207   petak%
208   \or
209   subota%
210   \fi
211 }

```

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

```

212 \newcommand*{\DTMcroatianWeekdayname}[1]{%
213   \ifcase#1
214   Nedjelja%
215   \or
216   Ponedjeljak%
217   \or
218   Utorak%
219   \or
220   Srijeda%
221   \or
222   \protect\v{C}etvrtak%
223   \or
224   Petak%
225   \or
226   Subota%
227   \fi
228 }
```

`\DTMcroatianshortweekdayname` Abbreviated Croatian day of week names.

```

229 \newcommand*{\DTMcroatianshortweekdayname}[1]{%
230   \ifcase#1
231   ned%
232   \or
233   pon%
234   \or
235   uto%
236   \or
237   sri%
238   \or
239   \protect\v{c}et%
240   \or
241   pet%
242   \or
243   sub%
244   \fi
245 }
```

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

```

246 \newcommand*{\DTMcroatianshortWeekdayname}[1]{%
247   \ifcase#1
248   Ned%
249   \or
250   Pon%
251   \or
252   Uto%
253   \or
254   Sri%
255   \or
```

```

256 \protect\v{C}et%
257 \or
258 Pet%
259 \or
260 Sub%
261 \fi
262 }

```

1.3 Main Croatian Module (datetime2-croatian.1df)

Identify Module

```
263 \ProvidesDateTimeModule{croatian}[2015/03/30 v1.0]
```

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

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

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

```
265 \ifxetex
```

```
266 \RequireDateTimeModule{croatian-utf8}
```

```
267 \else
```

```
268 \ifluatex
```

```
269 \RequireDateTimeModule{croatian-utf8}
```

```
270 \else
```

```
271 \RequireDateTimeModule{croatian-ascii}
```

```
272 \fi
```

```
273 \fi
```

Define the `croatian` 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 `croatian` and `croatian-numeric` styles. This doesn't use the package wide separators such as `\dtm@datetimesep` in case other date formats are also required.

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

```
274 \newcommand*{\DTMcroatiandaymonthsep}{\DTMtexorpdfstring{\protect~}{\space}}
```

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

```
275 \newcommand*{\DTMcroatianmonthyearsep}{\space}
```

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

```
276 \newcommand*{\DTMcroatiandatetimesep}{\space}
```

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

```
277 \newcommand*{\DTMcroatiantimezonesep}{\space}
```

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

```
278 \newcommand*{\DTMcroatiandatesep}{.}
```


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

```
279 \newcommand*{\DTMcroatiantimesep}{:}
```

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

```
280 \DTMdefkey{croatian}{daymonthsep}{\renewcommand*{\DTMcroatiandaymonthsep}{#1}}
```

```
281 \DTMdefkey{croatian}{monthyearsep}{\renewcommand*{\DTMcroatianmonthyearsep}{#1}}
```

```
282 \DTMdefkey{croatian}{datetimesep}{\renewcommand*{\DTMcroatiandatetimesep}{#1}}
```

```
283 \DTMdefkey{croatian}{timezonesep}{\renewcommand*{\DTMcroatiantimezonesep}{#1}}
```

```
284 \DTMdefkey{croatian}{datesep}{\renewcommand*{\DTMcroatiandatesep}{#1}}
```

```
285 \DTMdefkey{croatian}{timesep}{\renewcommand*{\DTMcroatiantimesep}{#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.

```
286 \DTMdefboolkey{croatian}{mapzone}[true]{}
```

The default is to use mappings.

```
287 \DTMsetbool{croatian}{mapzone}{true}
```

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

```
288 \DTMdefboolkey{croatian}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
289 \DTMsetbool{croatian}{showdayofmonth}{true}
```

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

```
290 \DTMdefboolkey{croatian}{showyear}[true]{}
```

The default is to show the year.

```
291 \DTMsetbool{croatian}{showyear}{true}
```

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

```
292 \DTMnewstyle
```

```
293 {croatian}% label
```

```
294 {% date style
```

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

```
296     \DTMifbool{croatian}{showdayofmonth}
```

```
297     {\DTMcroatianordinal{##3}\DTMcroatiandaymonthsep}%
```

```
298     }%
```

```
299     \DTMcroatianmonthname{##2}%
```

```
300     \DTMifbool{croatian}{showyear}%
```

```
301     {%
```

```
302       \DTMcroatianmonthyearsep
```

```
303       \DTMcroatianyear{##1}%
```

```
304     }%
```

```
305     }%
```

```
306   }%
```

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

```
308   \DTMifbool{croatian}{showdayofmonth}
```

```
309   {%
```

```
310     \DTMcroatianordinal{##3}\DTMcroatiandaymonthsep
```

```
311     \DTMcroatianmonthname{##2}%
```

```

312 }%
313 {%
314   \DTMcroatianMonthname{##2}%
315 }%
316 \DTMifbool{croatian}{showyear}%
317 {%
318   \DTMcroatianmonthyearsep
319   \DTMcroatianyear{##1}%
320 }%
321 {}%
322 }%
323 }%
324 {% time style (use default)
325   \DTMsettimestyle{default}%
326 }%
327 {% zone style
328   \DTMresetzones
329   \DTMcroatianzonemaps
330   \renewcommand*{\DTMdisplayzone}[2]{%
331     \DTMifbool{croatian}{mapzone}%
332     {\DTMusezonemapordefault{##1}{##2}}%
333     {%
334       \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
335       \ifDTMshowzoneminutes\DTMcroatiantimesep\DTMtwodigits{##2}\fi
336     }%
337   }%
338 }%
339 {% full style
340   \renewcommand*{\DTMdisplay}[9]{%
341     \ifDTMshowdate
342       \DTMdisplaydate{##1}{##2}{##3}{##4}%
343       \DTMcroatiandatetimesep
344       \fi
345       \DTMdisplaytime{##5}{##6}{##7}%
346       \ifDTMshowzone
347         \DTMcroatiantimezonesep
348         \DTMdisplayzone{##8}{##9}%
349       \fi
350     }%
351   \renewcommand*{\DTMDisplay}[9]{%
352     \ifDTMshowdate
353       \DTMDisplaydate{##1}{##2}{##3}{##4}%
354       \DTMcroatiandatetimesep
355       \fi
356       \DTMdisplaytime{##5}{##6}{##7}%
357       \ifDTMshowzone
358         \DTMcroatiantimezonesep
359         \DTMdisplayzone{##8}{##9}%
360       \fi
361     }%

```

```

362 }%
    Define numeric style.
363 \DTMnewstyle
364 {croatian-numeric}% label
365 {% date style
366   \renewcommand*\DTMdisplaydate[4]{%
367     \DTMifbool{croatian}{showdayofmonth}%
368     {%
369       \number##3 % space intended
370       \DTMcroatiandatesep
371     }%
372   }%
373   \number##2 % space intended
374   \DTMifbool{croatian}{showyear}%
375   {%
376     \DTMcroatiandatesep
377     \number##1 % space intended
378   }%
379 }%
380 }%
381 \renewcommand*\DTMdisplaydate[4]{\DTMdisplaydate{##1}{##2}{##3}{##4}}%
382 }%
383 {% time style
384   \renewcommand*\DTMdisplaytime[3]{%
385     \number##1
386     \DTMcroatiantimesep\DTMtwdigits{##2}%
387     \ifDTMshowseconds\DTMcroatiantimesep\DTMtwdigits{##3}\fi
388   }%
389 }%
390 {% zone style
391   \DTMresetzones
392   \DTMcroatianzonemaps
393   \renewcommand*\DTMdisplayzone[2]{%
394     \DTMifbool{croatian}{mapzone}%
395     {\DTMusedzonemapordefault{##1}{##2}}%
396     {%
397       \ifnum##1<0\else+\fi\DTMtwdigits{##1}%
398       \ifDTMshowzoneminutes\DTMcroatiantimesep\DTMtwdigits{##2}\fi
399     }%
400   }%
401 }%
402 {% full style
403   \renewcommand*\DTMdisplay[9]{%
404     \ifDTMshowdate
405       \DTMdisplaydate{##1}{##2}{##3}{##4}%
406       \DTMcroatiandatetimesep
407     \fi
408     \DTMdisplaytime{##5}{##6}{##7}%
409     \ifDTMshowzone

```

```

410     \DTMcroatiantimezonesep
411     \DTMdisplayzone{##8}{##9}%
412     \fi
413     }%
414     \renewcommand*{\DTMDisplay}{\DTMdisplay}%
415 }

```

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

```

416 \newcommand*{\DTMcroatianzonemaps}{%
417   \DTMdefzonemap{01}{00}{CET}%
418   \DTMdefzonemap{02}{00}{CEST}%
419 }

```

Switch style according to the `userregional` setting.

```

420 \DTMifcaseregional
421 {}% do nothing
422 {\DTMsetstyle{croatian}}
423 {\DTMsetstyle{croatian-numeric}}

```

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

```

424 \ifcsundef{date\CurrentTrackedDialect}
425 {%
426   \ifundef\datecroatian
427   {}% do nothing
428   }%
429   {%
430     \def\datecroatian{%
431       \DTMifcaseregional
432       {}% do nothing
433       {\DTMsetstyle{croatian}}%
434       {\DTMsetstyle{croatian-numeric}}%
435     }%
436   }%
437 }%
438 {%
439   \csdef{date\CurrentTrackedDialect}{%
440     \DTMifcaseregional
441     {}% do nothing
442     {\DTMsetstyle{croatian}}%
443     {\DTMsetstyle{croatian-numeric}}
444   }%
445 }%

```

Change History

1.0
General: Initial release 1, 5, 8

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