Hungarian Module for datetime2 Package

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2015-03-31 (v1.0)

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

Abstract

This is the Hungarian 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-magyar's \today.

I don't know if these settings are correct as I can't speak Hungarian. In particular, I don't know if the magyar time style is correct. Currently this just uses the default time style. Please be aware that this may change. Whoever takes over maintanance of this module may can 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-magyar.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{magyar-utf8}[2015/03/31 v1.0]
```

`\DTMmagyarordinal`

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

`\DTMmagyaryear`

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

`\DTMmagyarmonthname` Hungarian month names.

```
8 \newcommand*{\DTMmagyarmonthname}[1]{%
9   \ifcase#1
10   \or
11   január%
12   \or
13   február%
14   \or
15   március%
16   \or
17   április%
18   \or
19   május%
20   \or
21   június%
22   \or
23   július%
24   \or
25   augusztus%
26   \or
27   szeptember%
28   \or
29   október%
30   \or
31   november%
32   \or
33   december%
34   \fi
35 }
```

`\DTMmagyarMonthname` As above but capitalize.

```
36 \newcommand*{\DTMmagyarMonthname}[1]{%
37   \ifcase#1
38   \or
39   Január%
40   \or
41   Február%
42   \or
43   Március%
```

```
44   \or
45   Április%
46   \or
47   Május%
48   \or
49   Június%
50   \or
51   Július%
52   \or
53   Augusztus%
54   \or
55   Szeptember%
56   \or
57   Október%
58   \or
59   November%
60   \or
61   December%
62   \fi
63 }
```

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

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-magyar-utf8.ldf` file as the non-ASCII characters are made active in that situation and would need protecting against expansion. Identify module

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

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

\DTMmagyarordinal

```
65 \newcommand*{\DTMmagyarordinal}[1]{%
66   \number#1.%
67 }
```

\DTMmagyaryear

```
68 \newcommand*{\DTMmagyaryear}[1]{%
69   \number#1.%
70 }
```

\DTMmagyarmonthname   Hungarian month names.

```
71 \newcommand*{\DTMmagyarmonthname}[1]{%
72   \ifcase#1
73   \or
74   janu\protect\'ar%
```

```
75   \or
76   febru\protect\'ar%
77   \or
78   m\protect\'arcius%
79   \or
80   \protect\'aprilis%
81   \or
82   m\protect\'ajus%
83   \or
84   j\protect\'unius%
85   \or
86   j\protect\'ulius%
87   \or
88   augusztus%
89   \or
90   szeptember%
91   \or
92   okt\protect\'ober%
93   \or
94   november%
95   \or
96   december%
97   \fi
98 }
```

\DTMmagyarMonthname   As above but capitalize.

```
 99 \newcommand*{\DTMmagyarMonthname}[1]{%
100   \ifcase#1
101   \or
102   Janu\protect\'ar%
103   \or
104   Febru\protect\'ar%
105   \or
106   M\protect\'arcius%
107   \or
108   \protect\'Aprilis%
109   \or
110   M\protect\'ajus%
111   \or
112   J\protect\'unius%
113   \or
114   J\protect\'ulius%
115   \or
116   Augusztus%
117   \or
118   Szeptember%
119   \or
120   Okt\protect\'ober%
121   \or
122   November%
```

```
123   \or
124   December%
125   \fi
126 }
```

1.3   Main Hungarian Module (`datetime2-magyar.ldf`)

Identify Module

```
127 \ProvidesDateTimeModule{magyar}[2015/03/31 v1.0]
```

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

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

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

```
129 \ifxetex
130  \RequireDateTimeModule{magyar-utf8}
131 \else
132  \ifluatex
133    \RequireDateTimeModule{magyar-utf8}
134  \else
135    \RequireDateTimeModule{magyar-ascii}
136  \fi
137 \fi
```

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

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

```
138 \newcommand*{\DTMmagyardaymonthsep}{%
139  \DTMtexorpdfstring{\protect~}{\space}%
140 }
```

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

```
141 \newcommand*{\DTMmagyarmonthyearsep}{\space}
```

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

```
142 \newcommand*{\DTMmagyardatetimesep}{\space}
```

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

```
143 \newcommand*{\DTMmagyartimezonesep}{\space}
```

\DTMmagyardatesep   The separator for the numeric date format.

```
144 \newcommand*{\DTMmagyardatesep}{/}
```

\DTMmagyartimesep   The separator for the numeric time format.

145 `\newcommand*{\DTMmagyartimesep}{:}`

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

146 `\DTMdefkey{magyar}{daymonthsep}{\renewcommand*{\DTMmagyardaymonthsep}{#1}}`
147 `\DTMdefkey{magyar}{monthyearsep}{\renewcommand*{\DTMmagyarmonthyearsep}{#1}}`
148 `\DTMdefkey{magyar}{datetimesep}{\renewcommand*{\DTMmagyardatetimesep}{#1}}`
149 `\DTMdefkey{magyar}{timezonesep}{\renewcommand*{\DTMmagyartimezonesep}{#1}}`
150 `\DTMdefkey{magyar}{datesep}{\renewcommand*{\DTMmagyardatesep}{#1}}`
151 `\DTMdefkey{magyar}{timesep}{\renewcommand*{\DTMmagyartimesep}{#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.

152 `\DTMdefboolkey{magyar}{mapzone}[true]{}`

The default is to use mappings.

153 `\DTMsetbool{magyar}{mapzone}{true}`

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

154 `\DTMdefboolkey{magyar}{showdayofmonth}[true]{}`

The default is to show the day of month.

155 `\DTMsetbool{magyar}{showdayofmonth}{true}`

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

156 `\DTMdefboolkey{magyar}{showyear}[true]{}`

The default is to show the year.

157 `\DTMsetbool{magyar}{showyear}{true}`

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

158 `\DTMnewstyle`
159 `{magyar}% label`
160 `{% date style`
161 `  \renewcommand*\DTMdisplaydate[4]{%`
162 `    \DTMifbool{magyar}{showdayofmonth}`
163 `    {\DTMmagyarordinal{##3}\DTMmagyardaymonthsep}%`
164 `    {}%`
165 `    \DTMmagyarmonthname{##2}%`
166 `    \DTMifbool{magyar}{showyear}%`
167 `    {%`
168 `      \DTMmagyarmonthyearsep`
169 `      \number##1`
170 `    }%`
171 `    {}%`
172 `  }%`
173 `  \renewcommand*\DTMDisplaydate[4]{%`
174 `    \DTMifbool{magyar}{showdayofmonth}`
175 `    {%`
176 `      \DTMmagyarordinal{##3}\DTMmagyardaymonthsep`
177 `      \DTMmagyarmonthname{##2}%`

```
178      }%
179      {%
180        \DTMmagyarMonthname{##2}%
181      }%
182      \DTMifbool{magyar}{showyear}%
183      {%
184        \DTMmagyarmonthyearsep
185        \number##1
186      }%
187      {}%
188    }%
189  }%
190  {% time style (use default)
191    \DTMsettimestyle{default}%
192  }%
193  {% zone style
194    \DTMresetzones
195    \DTMmagyarzonemaps
196    \renewcommand*{\DTMdisplayzone}[2]{%
197      \DTMifbool{magyar}{mapzone}%
198      {\DTMusezonemapordefault{##1}{##2}}%
199      {%
200        \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
201        \ifDTMshowzoneminutes\DTMmagyartimesep\DTMtwodigits{##2}\fi
202      }%
203    }%
204  }%
205  {% full style
206    \renewcommand*{\DTMdisplay}[9]{%
207      \ifDTMshowdate
208        \DTMdisplaydate{##1}{##2}{##3}{##4}%
209        \DTMmagyardatetimesep
210      \fi
211      \DTMdisplaytime{##5}{##6}{##7}%
212      \ifDTMshowzone
213        \DTMmagyartimezonesep
214        \DTMdisplayzone{##8}{##9}%
215      \fi
216    }%
217    \renewcommand*{\DTMDisplay}[9]{%
218      \ifDTMshowdate
219        \DTMDisplaydate{##1}{##2}{##3}{##4}%
220        \DTMmagyardatetimesep
221      \fi
222      \DTMdisplaytime{##5}{##6}{##7}%
223      \ifDTMshowzone
224        \DTMmagyartimezonesep
225        \DTMdisplayzone{##8}{##9}%
226      \fi
227    }%
```

```
228 }%
```
Define numeric style.
```
229 \DTMnewstyle
230 {magyar-numeric}% label
231 {% date style
232    \renewcommand*\DTMdisplaydate[4]{%
233      \DTMifbool{magyar}{showdayofmonth}%
234      {%
235        \number##3 % space intended
236        \DTMmagyardatesep
237      }%
238      {}%
239      \number##2 % space intended
240      \DTMifbool{magyar}{showyear}%
241      {%
242        \DTMmagyardatesep
243        \number##1 % space intended
244      }%
245      {}%
246    }%
247    \renewcommand*{\DTMDisplaydate}{\DTMdisplaydate}%
248 }%
249 {% time style
250    \renewcommand*\DTMdisplaytime[3]{%
251      \number##1
252      \DTMmagyartimesep\DTMtwodigits{##2}%
253      \ifDTMshowseconds\DTMmagyartimesep\DTMtwodigits{##3}\fi
254    }%
255 }%
256 {% zone style
257   \DTMresetzones
258   \DTMmagyarzonemaps
259   \renewcommand*{\DTMdisplayzone}[2]{%
260     \DTMifbool{magyar}{mapzone}%
261     {\DTMusezonemapordefault{##1}{##2}}%
262     {%
263       \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
264       \ifDTMshowzoneminutes\DTMmagyartimesep\DTMtwodigits{##2}\fi
265     }%
266   }%
267 }%
268 {% full style
269   \renewcommand*{\DTMdisplay}[9]{%
270     \ifDTMshowdate
271     \DTMdisplaydate{##1}{##2}{##3}{##4}%
272     \DTMmagyardatetimesep
273     \fi
274     \DTMdisplaytime{##5}{##6}{##7}%
275     \ifDTMshowzone
```

```
276    \DTMmagyartimezonesep
277    \DTMdisplayzone{##8}{##9}%
278   \fi
279  }%
280  \renewcommand*{\DTMDisplay}{\DTMdisplay}%
281 }
```

\DTMmagyarzonemaps The time zone mappings are set through this command, which can be redefined if extra mappings are required or mappings need to be removed. There are currently no mappings defined.

```
282 \newcommand*{\DTMmagyarzonemaps}{%
283 }
```

Switch style according to the useregional setting.

```
284 \DTMifcaseregional
285 {}% do nothing
286 {\DTMsetstyle{magyar}}
287 {\DTMsetstyle{magyar-numeric}}
```

Redefine \datemagyar (or \date⟨*dialect*⟩) to prevent babel from resetting \today. (For this to work, babel must already have been loaded if it's required.)

```
288 \ifcsundef{date\CurrentTrackedDialect}
289 {%
290   \ifundef\datemagyar
291   {% do nothing
292   }%
293   {%
294     \def\datemagyar{%
295       \DTMifcaseregional
296       {}% do nothing
297       {\DTMsetstyle{magyar}}%
298       {\DTMsetstyle{magyar-numeric}}%
299     }%
300   }%
301 }%
302 {%
303   \csdef{date\CurrentTrackedDialect}{%
304     \DTMifcaseregional
305     {}% do nothing
306     {\DTMsetstyle{magyar}}%
307     {\DTMsetstyle{magyar-numeric}}
308   }%
309 }%
```

Change History

1.0
    General: Initial release 1, 3, 5

Index