

datetime2-it-fulltext

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This packet defines two styles for datetime2, it-fulltext and it-fulltext-twenty-four. The first style uses a formed am pm, the second a format 24 hours. The necessary packets are datetime2, itnumpar, ifxetex and ifluatex. The packet is the translation and adaptation of datetime2-en-fulltext.

1 The Code

```
1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesPackage{datetime2-it-fulltext}[2015/05/01 v1.0]
3 \DeclareOption*{\PassOptionsToPackage{\CurrentOption}{datetime2}}
4 \ProcessOptions
5 \RequirePackage{datetime2}
6 \RequirePackage{itnumpar}
7 \RequirePackage{ifxetex,ifluatex}
8 \ifxetex
9 \RequireDateTimeModule{it-fulltext-utf8}
10 \else
11 \ifluatex
12 \RequireDateTimeModule{it-fulltext-utf8}
13 \else
14 \RequireDateTimeModule{it-fulltext-ascii}
15 \fi
16 \fi
17 \def\CurrentTrackedDialect{italian}
18 \RequireDateTimeModule{italian}
19 \undef\CurrentTrackedDialect
20 \newcommand*\DTMitfulltextmonthyearsep{,\space}
21 \DTMnewdatestyle{it-fulltext}{%
22 \renewcommand*\DTMdisplaydate[4]{%
23 \ifDTMshowdow
24 \ifnum##4>-1
25 \DTMitalianweekdayname{##4}\space%
26 \fi
27 \fi
28 \ifnum##3=1\DTMitthefirstoneofthemonth\space\DTMitalianmonthname{##2}%
```

```

29 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\space%
30 \else\protect\printnumeroinparole{##3}\space\DTMitalianmonthname{##2}%
31 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\fi%
32 }%
33 }%

34 \DTMsetdatestyle{it-fulltext}
35 \DTMnewtimestyle{it-fulltext}{%
36 \renewcommand\DTMdisplaytime[3]{%
37 \ifboolexpr
38 {test {\ifnumequal{##2}{0}} and
39 (test {\ifnumequal{##1}{0}}
40 or test {\ifnumequal{##1}{12}}
41 or test {\ifnumequal{##1}{24}}
42 )
43 }%
44 {%
45 \ifnum##1=12\DTMitaliannoon\else\DTMitalianmidnight%
46 \fi
47 }%
48 {%
49 \ifnum##2=0\ifboolexpr{ test {\ifnumcomp{##1}{=}{1}} or test {\ifnumcomp{##1}{=}{13}}}
50 {\DTMoneatnightstring\space\DTMitoclockstring}%
51 {\ifnum##1>12\protect\printnumeroinparole{\numexpr##1-12}\space\DTMitoclockstring\else\protect
52 \else
53 \ifnum##2<31
54 \ifnum##2=15
55 \ifnum##1=1\DTMquarterpaststringTWO\else
56 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{13}}}
57 {\DTMquarterpaststringONE\space}%
58 {\ifnum##1=13\DTMquarterpaststringTWO\else\DTMquarterpaststringTHREE\space\fi}%
59 \fi%
60 \else%
61 \ifnum##2=30
62 \ifboolexpr{ test {\ifnumcomp{##1}{=}{1}} or test {\ifnumcomp{##1}{=}{13}}}
63 {\DTMhalfpaststringTWO}%
64 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}} or test {\ifnumcomp{##1}{=}{13}}}
65 {\DTMhalfpaststringONE\space}%
66 {\DTMhalfpaststringTHREE\space}%
67 }%
68 \else%
69 \ifnum##2=1\DTMoneminutestring\space\else\protect\printnumeroinparole{##2}\space%
70 \fi
71 \ifnum##2=1
72 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{13}}}
73 {\DTMminutepaststringONE\space}%one
74 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{13}} or test {\ifnumcomp{##1}{=}{1}}}
75 {\DTMminutepaststringTWO}%two
76 {\DTMminutepaststringTHREE\space}%three
77 }%

```

```

78 \else
79 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}}or test {\ifnumcomp{##1}{=}{13}}}
80 {\DTMminutespaststringONE\space}%THREE
81 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{13}} or test {\ifnumcomp{##1}{=}{1}}}
82 {\DTMminutespaststringTWO}%TWO
83 {\DTMminutespaststringTHREE\space}%
84 }%
85 \fi
86 \fi%
87 \fi%
88 \ifnum##1>12
89 \ifnum##1=24
90 \DTMitalianmidnight%
91 \else
92 \ifnum##1=13\DTMoneatnightstring\else\protect\printnumeroinparole{\numexpr##1-12}\fi%
93 \fi%
94 \else
95 \ifnum##1=0
96 \DTMitalianmidnight
97 \else
98 \ifnum##1=1\DTMoneatnightstring\else\ifnum##1=12\DTMitaliannoon\else\protect\printnumeroinparole{\numexpr##1-12}\fi%
99 \fi
100 \fi
101 \else
102 \ifnum##2=45
103 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}}or test {\ifnumcomp{##1}{=}{13}}}
104 {\DTMquartertostringTWO}%
105 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}
106 {\DTMquartertostringONE\space}%
107 {\DTMquartertostringTHREE\space}%
108 }%
109 \else
110 \ifnum##2=59\DTMoneminutestring\space\else\protect\printnumeroinparole{\numexpr60-##2}\fi
111 \ifnum##2=59
112 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{12}}or test {\ifnumcomp{##1}{=}{13}}}
113 {\DTMminutetostingTWO}%
114 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}
115 {\DTMminutetostingONE\space}%
116 {\DTMminutetostingTHREE\space}%
117 }%
118 \else\space
119 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}or test {\ifnumcomp{##1}{=}{13}}}
120 {\DTMminutetostingTWO}%
121 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}
122 {\DTMminutetostingONE\space}%
123 {\DTMminutetostingTHREE\space}%
124 }%
125 \fi
126 \fi
127 \ifnum##1>12

```

```

128 \ifnum##1=24
129 \DTMoneatnightstring%
130 \else
131 \ifnum##1=23\DTMitalianmidnight\else\protect\printnumeroinparole{\numexpr##1-11}%
132 \fi
133 \fi
134 \else
135 \ifnum##1=12\DTMoneatnightstring\space\DTMitafternoonstring%
136 \else
137 \ifnum##1=0\DTMoneatnightstring%
138 \else%
139 \ifnum##1=11\DTMitaliannoon\else\protect\printnumeroinparole{\numexpr##1+1}\fi
140 \fi%
141 \fi
142 \fi
143 \fi
144 \fi
145 \ifnum##1>11
146 \ifnum##1=23
147 \ifnum##2<31
148 \space\DTMitafternoonstring%
149 \fi
150 \else
151 \ifnum##1=24
152 \ifnum##2>30
153 \space\DTMitmorningstring%
154 \fi
155 \else
156 \ifnum##1=12\space\else\space\DTMitafternoonstring\fi
157 \fi
158 \fi
159 \else
160 \ifnum##1>0
161 \ifnum##1=11\else\space\DTMitmorningstring\fi
162 \else
163 \ifnum##2>30
164 \space\DTMitmorningstring
165 \fi
166 \fi
167 \fi
168 }%
169 }%
170 }%

171 \DTMnewdatestyle{it-fulltext-twenty-four}{%
172 \renewcommand*\DTMdisplaydate[4]{%
173 \ifDTMshowdow
174 \ifnum##4>-1
175 \DTMitalianweekdayname{##4}\space%
176 \fi

```

```

177 \fi
178 \ifnum##3=1\DTMitthefirstoneofthemonth\space\DTMitalianmonthname{##2}%
179 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\space%
180 \else\protect\printnumeroinparole{##3}\space\DTMitalianmonthname{##2}%
181 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\fi%
182 }%
183 }%

184 \DTMsetdatestyle{it-fulltext-twenty-four}
185 \DTMnewtimestyle{it-fulltext-twenty-four}{%
186 \renewcommand\DTMdisplaytime[3]{%
187 \ifboolexpr
188 {test {\ifnumequal{##2}{0}} and (test {\ifnumequal{##1}{0}}
189 or test {\ifnumequal{##1}{12}}
190 or test {\ifnumequal{##1}{24}}
191 )
192 }%
193 {%
194 \ifnum##1=12\DTMitaliannoon\else\DTMitalianmidnight
195 \fi
196 }%
197 {%
198 \ifnum##2=0
199 \ifboolexpr{ test {\ifnumcomp{##1}{=}{1}} or test {\ifnumcomp{##1}{=}{13}}}
200 {\DTMoneatnightstring\DTMitoclockstring}%
201 {\ifnum##1>12\protect\printnumeroinparole{\numexpr##1-12}\space\DTMitoclockstring\else
202 \protect\printnumeroinparole{##1}\space\DTMitoclockstring\fi}
203 \else
204 \ifnum##2<31
205 \ifnum##2=15
206 \ifnum##1=1\DTMquarterpaststringTWO\else
207 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}}
208 {\DTMquarterpaststringONE\space}%
209 {\DTMquarterpaststringTHREE\space}%
210 \fi%
211 \else
212 \ifnum##2=30
213 \ifnum##1=1\DTMhalfpaststringTWO%
214 \else%
215 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}} or test {\ifnumcomp{##1}{=}{12}}}
216 {\DTMhalfpaststringONE\space}%
217 {\DTMhalfpaststringTHREE\space}%
218 \fi
219 \else
220 \ifnum##2=1\DTMoneminutestring\space\else\protect\printnumeroinparole{##2}\space
221 \fi
222 \ifnum##2=1
223 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}}
224 {\DTMminutepaststringONE\space}%one
225 {\ifnum##1=1\DTMminutepaststringTWO\else\DTMminutepaststringTHREE\space\fi}%

```

```

226 \else
227 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}}or test {\ifnumcomp{##1}{=}{24}}}
228 {\DTMminutespaststringONE\space}%THREE
229 {\ifnum##1=1\DTMminutespaststringTWO\else\DTMminutespaststringTHREE\space\fi}%
230 \fi%
231 \fi%
232 \fi%
233 \ifnum##1>12
234 \ifnum##1=24\DTMitalianmidnight\else\protect\printnumeroinparole{##1}%
235 \fi%
236 \else
237 \ifnum##1=0
238 \DTMitalianmidnight
239 \else
240 \ifnum##1=1\DTMoneatnightstring\else\ifnum##1=12\DTMitaliannoon\else\protect\printnumeroinparole{##1}%
241 \fi
242 \fi
243 \else
244 \ifnum##2=45%
245 \ifboolexpr{test {\ifnumcomp{##1}{=}{0}}or test {\ifnumcomp{##1}{=}{24}}}
246 {\DTMquartertostringTWO}%
247 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}
248 {\DTMquartertostringONE\space}%
249 {\DTMquartertostringTHREE\space}%
250 }%
251 \else
252 \ifnum##2=59\DTMoneminutestring\space\else\protect\printnumeroinparole{\numexpr60-##2}\space
253 \ifnum##2=59
254 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}}
255 {\DTMminutetostingTWO}%
256 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}
257 {\DTMminutetostingONE\space}%
258 {\DTMminutetostingTHREE\space}%
259 }%
260 \else
261 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}}
262 {\DTMminutetostingTWO}%
263 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}
264 {\DTMminutetostingONE\space}%
265 {\DTMminutetostingTHREE\space}%
266 }%
267 \fi
268 \fi
269 \ifnum##1>12
270 \ifnum##1=24
271 \DTMoneatnightstring%
272 \else
273 \ifnum##1=23
274 \DTMitalianmidnight
275 \else

```

```

276 \protect\printnumeroinparole{##1}%
277 \fi
278 \fi
279 \else
280 \ifnum##1=12\protect\printnumeroinparole{\numexpr##1+1}
281 \else
282 \ifnum##1=0\DTMoneatnightstring%
283 \else
284 \ifnum##1=11\DTMitaliannoon\else\protect\printnumeroinparole{\numexpr##1+1}\fi
285 \fi%
286 \fi
287 \fi
288 \fi
289 \fi
290 }%
291 }%
292 }%

293 \ProvidesDateTimeModule{it-fulltext-ascii}[2015/05/01 v1.0]

294 \newcommand*{\DTMitoclockstring}{in punto}
295 \newcommand*{\DTMoneminutestring}{un}
296 \newcommand*{\DTMoneatnightstring}{una}
297 \newcommand*{\DTMithefirststoneofthemoth}{primo}
298 \newcommand*{\DTMquarterpaststringONE}{quindici minuti dopo}
299 \newcommand*{\DTMquarterpaststringTWO}{quindici minuti dopo 1\protect'}
300 \newcommand*{\DTMquarterpaststringTHREE}{quindici minuti dopo le}
301 \newcommand*{\DTMminutepaststringONE}{minuto dopo}
302 \newcommand*{\DTMminutepaststringTWO}{minuto dopo 1\protect'}
303 \newcommand*{\DTMminutepaststringTHREE}{minuto dopo le}
304 \newcommand*{\DTMminutespaststringONE}{minuti dopo}
305 \newcommand*{\DTMminutespaststringTWO}{minuti dopo 1\protect'}
306 \newcommand*{\DTMminutespaststringTHREE}{minuti dopo le}
307 \newcommand*{\DTMhalfpaststringONE}{trenta minuti dopo}
308 \newcommand*{\DTMhalfpaststringTWO}{trenta minuti dopo 1\protect'}
309 \newcommand*{\DTMhalfpaststringTHREE}{trenta minuti dopo le}
310 \newcommand*{\DTMquartertostringONE}{un quarto a}
311 \newcommand*{\DTMquartertostringTWO}{un quarto all\protect'}
312 \newcommand*{\DTMquartertostringTHREE}{un quarto alle}
313 \newcommand*{\DTMminutetostingONE}{minuto a}
314 \newcommand*{\DTMminutetostingTWO}{minuto all\protect'}
315 \newcommand*{\DTMminutetostingTHREE}{minuto alle}
316 \newcommand*{\DTMminutestostingONE}{minuti a}
317 \newcommand*{\DTMminutestostingTWO}{minuti all\protect'}
318 \newcommand*{\DTMminutestostingTHREE}{minuti alle}
319 \newcommand*{\DTMitmorningstring}{del mattino}
320 \newcommand*{\DTMitafternoonstring}{del pomeriggio}

321 \ProvidesDateTimeModule{it-fulltext-utf8}[2015/05/01 v1.0]

322 \newcommand*{\DTMitoclockstring}{in punto}
323 \newcommand*{\DTMoneminutestring}{un}

```

```

324 \newcommand*{\DTMoneatnightstring}{una}
325 \newcommand*{\DTMitthefirstoneofthemoth}{primo}
326 \newcommand*{\DTMquarterpaststringONE}{quindici minuti dopo}
327 \newcommand*{\DTMquarterpaststringTWO}{quindici minuti dopo 1'}
328 \newcommand*{\DTMquarterpaststringTHREE}{quindici minuti dopo 1e}
329 \newcommand*{\DTMminutepaststringONE}{minuto dopo}
330 \newcommand*{\DTMminutepaststringTWO}{minuto dopo 1'}
331 \newcommand*{\DTMminutepaststringTHREE}{minuto dopo 1e}
332 \newcommand*{\DTMminutespaststringONE}{minuti dopo}
333 \newcommand*{\DTMminutespaststringTWO}{minuti dopo 1'}
334 \newcommand*{\DTMminutespaststringTHREE}{minuti dopo 1e}
335 \newcommand*{\DTMhalfpaststringONE}{trenta minuti dopo}
336 \newcommand*{\DTMhalfpaststringTWO}{trenta minuti dopo 1'}
337 \newcommand*{\DTMhalfpaststringTHREE}{trenta minuti dopo 1e}
338 \newcommand*{\DTMquartertostringONE}{un quarto a}
339 \newcommand*{\DTMquartertostringTWO}{un quarto all'}
340 \newcommand*{\DTMquartertostringTHREE}{un quarto alle}
341 \newcommand*{\DTMminutetostingONE}{minuto a}
342 \newcommand*{\DTMminutetostingTWO}{minuto all'}
343 \newcommand*{\DTMminutetostingTHREE}{minuto alle}
344 \newcommand*{\DTMminutestostingONE}{minuti a}
345 \newcommand*{\DTMminutestostingTWO}{minuti all'}
346 \newcommand*{\DTMminutestostingTHREE}{minuti alle}
347 \newcommand*{\DTMitmorningstring}{del mattino}
348 \newcommand*{\DTMitafternoonstring}{del pomeriggio}

```