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    7448 Tue Nov  5 21:23:54 2013
new/usr/src/man/man9f/kiconv_open.9f
4116 - kiconv_open(9f): kiconv_close() in the CONTEXT section
*************************************************************
    1 '\" te
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    6 .TH KICONV_OPEN 9F "Nov 5, 2013"
    6 .TH KICONV_OPEN 9F "Oct 16, 2007"
    7 .SH NAME
    8 kiconv_open \- code conversion descriptor allocation function
    9 .SH SYNOPSIS
   10 .LP
   11 .nf
   12 #include <sys/sunddi.h>


   16 \fBkiconv_t\fR \fBkiconv_open\fR(\fBconst\fR \fBchar *\fR\fItocode\fR, \fBconst\
   17 .fi

   19 .SH INTERFACE LEVEL
   20 .sp
   21 .LP
   22 Solaris DDI specific (Solaris DDI).
   23 .SH PARAMETERS
   24 .sp
   25 .ne 2
   26 .na
   27 \fB\fItocode\fR\fR
   28 .ad
   29 .RS 12n
   30 Points to a target codeset name string.
   31 .RE

   33 .sp
   34 .ne 2
   35 .na
   36 \fB\fIfromcode\fR\fR
   37 .ad
   38 .RS 12n
   39 Points to a source codeset name string.
   40 .RE

   42 .SH DESCRIPTION
   43 .sp
   44 .LP
   45 The \fBkiconv_open()\fR function returns a code conversion descriptor that
   46 describes a conversion from the codeset specified by \fIfromcode\fR to the
   47 codeset specified by \fItocode\fR. For state-dependent encodings, the
   48 conversion descriptor is in a codeset-dependent initial state (ready for
   49 immediate use with the \fBkiconv()\fR function).
   50 .sp
   51 .LP
   52 Supported code conversions are between \fBUTF-8\fR and the following:
   53 .sp
   54 .in +2
   55 .nf
   56 Name                      Description

   58  Big5                      Traditional Chinese Big5
   59  Big5-HKSCS                Traditional Chinese Big5-Hong Kong
   60                                Supplementary Character Set
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```
   61  CP720                     DOS Arabic
   62  CP737                     DOS Greek
   63  CP850                     DOS Latin-1 (Western European)
   64  CP852                     DOS Latin-2 (Eastern European)
   65  CP857                     DOS Latin-5 (Turkish)
   66  CP862                     DOS Hebrew
   67  CP866                     DOS Cyrillic Russian
   68  CP932                     Japanese Shift JIS (Windows)
   69  CP950-HKSCS               Traditional Chinese HKSCS-2001 (Windows)
   70  CP1250                    Central Europe
   71  CP1251                    Cyrillic
   72  CP1252                    Western Europe
   73  CP1253                    Greek
   74  CP1254                    Turkish
   75  CP1255                    Hebrew
   76  CP1256                    Arabic
   77  CP1257                    Baltic
   78  EUC-CN                    Simplified Chinese EUC
   79  EUC-JP                    Japanese EUC
   80  EUC-JP-MS                 Japanese EUC MS
   81  EUC-KR                    Korean EUC
   82  EUC-TW                    Traditional Chinese EUC
   83  GB18030                   Simplified Chinese GB18030
   84  GBK                       Simplified Chinese GBK
   85  ISO-8859-1                Latin-1 (Western European)
   86  ISO-8859-2                Latin-2 (Eastern European)
   87  ISO-8859-3                Latin-3 (Southern European)
   88  ISO-8859-4                Latin-4 (Northern European)
   89  ISO-8859-5                Cyrillic
   90  ISO-8859-6                Arabic
   91  ISO-8859-7                Greek
   92  ISO-8859-8                Hebrew
   93  ISO-8859-9                Latin-5 (Turkish)
   94  ISO-8859-10               Latin-6 (Nordic)
   95  ISO-8859-13               Latin-7 (Baltic)
   96  ISO-8859-15               Latin-9 (Western European with euro sign)
   97  KOI8-R                    Cyrillic
   98  Shift_JIS                 Japanese Shift JIS (JIS)
   99  TIS_620                   Thai (a.k.a. ISO 8859-11)
  100  Unified-Hangul            Korean Unified Hangul

  102 .fi
  103 .in -2
  104 .sp


  106 .sp
  107 .LP
  108 \fBUTF-8\fR and the above names can be used at \fItocode\fR and \fIfromcode\fR
  109 to specify the desired code conversion. The following aliases are also
  110 supported as alternative names to be used:
  111 .sp
  112 .in +2
  113 .nf
  114 Aliases                   Original Name
  115  720                       CP720
  116  737                       CP737
  117  850                       CP850
  118  852                       CP852
  119  857                       CP857
  120  862                       CP862
  121  866                       CP866
  122  932                       CP932
  123  936, CP936                GBK
  124  949, CP949                Unified-Hangul
  125  950, CP950                Big5
  126  1250                      CP1250
```

```
127   1251                CP1251
128   1252                CP1252
129   1253                CP1253
130   1254                CP1254
131   1255                CP1255
132   1256                CP1256
133   1257                CP1257
134   ISO-8859-11         TIS_620
135   PCK, SJIS           Shift_JIS
136 .fi
137 .in -2
138 .sp

140 .sp
141 .LP
142 A conversion descriptor remains valid until it is closed by using
143 \fBkiconv_close()\fR.
144 .SH RETURN VALUES
145 .sp
146 .LP
147 Upon successful completion, \fBkiconv_open()\fR returns a code conversion
148 descriptor for use on subsequent calls to \fBkiconv()\fR. Otherwise, if the
149 conversion specified by \fIfromcode\fR and \fItocode\fR is not supported or for
150 any other reasons the code conversion descriptor cannot be allocated,
151 \fBkiconv_open()\fR returns (\fBkiconv_t\fR)-1 to indicate the error.
152 .SH CONTEXT
153 .sp
154 .LP
155 **\fBkiconv_open()\fR can be called from user context only.**
155 *\fBkiconv_close()\fR can be called from user context only.*
156 .SH EXAMPLES
157 .LP
158 \fBExample 1 \fROpening a Code Conversion
159 .sp
160 .LP
161 The following example shows how to open a code conversion from \fBISO\fR
162 8859-15 to \fBUTF-8\fR

164 .sp
165 .in +2
166 .nf
167 #include <sys/sunddi.h>

169 kiconv_t cd;

171 cd = kiconv_open("UTF-8", "ISO-8859-15");
172 if (cd == (kiconv_t)-1) {
173         /* Cannot open up the code conversion. */
174         return (-1);
175 }
```
_____*unchanged_portion_omitted_*