

B. International character sets

A. dos Santos Fernandes & others

New character sets and collations implemented

The following new [character set](#) and/or [collation](#) implementations have been added in Firebird 2 releases:

Character set	Collation	Description	Implemented by
ISO8859_1	ES_ES_CI_AI	Spanish language case- and accent-insensitive collation for ISO8859_1 character set.	A. dos Santos Fernandes
"	PT_BR	Brazil Portuguese collation for ISO8859_1 character set.	A. dos Santos Fernandes, P. H. Albanex
ISO8859_2	ISO_PLK	Polish collation for ISO8859_2 character set.	J. Glowacki, A. dos Santos Fernandes
KOI8R	KOI8-RU	Russian language character set and dictionary collation.	O. Loa, A. Karyakin
KOI8U	KOI8-UA	Ukrainian language character set and dictionary collation.	O. Loa, A. Karyakin
WIN1250	BS_BA	Bosnian language collation for WIN1250 character set.	F. Hasovic
"	WIN_CZ_AI	Czech language accent-insensitive collation for WIN1250 character set.	I. Prenosil, A. dos Santos Fernandes
"	WIN_CZ_CI_AI	Czech language case- and accent-insensitive collation for WIN1250 character set.	I. Prenosil, A. dos Santos Fernandes
WIN1252	WIN_PTBR	Brazil Portuguese collation for WIN1252 character set.	A. dos Santos Fernandes, P. H. Albanex
WIN1257	WIN1257_LV	Latvian dictionary collation.	O. Loa, A. Karyakin
"	WIN1257_LT	Lithuanian dictionary collation.	O. Loa, A. Karyakin
"	WIN1257_EE	Estonian dictionary collation.	O. Loa, A. Karyakin
WIN1258	(n/a)	Vietnamese language subset of charset WIN1258.	Nguyen The Phuong, A. dos Santos Fernandes
UTF8	UCS_BASIC	Unicode 4.0 support with UTF8 character set and UCS_BASIC collation.	A. dos Santos Fernandes
"	UNICODE	Unicode 4.0 support with UTF8 character set and UNICODE collation.	A. dos Santos Fernandes
"	UNICODE_CI	Unicode 4.0 support with UTF8 character set and case-insensitive collation.	A. dos Santos Fernandes
ISO8859_1	FR_FR_CI_AI	(v.2.1) French language case-insensitive and accent-insensitive collation.	A. dos Santos Fernandes

Character set	Collation	Description	Implemented by
CP943C	CP943C_UNICODE	(v.2.1) Japanese character set.	A. dos Santos Fernandes
TIS620	TIS620_UNICODE	(v.2.1) Thai character set, single byte.	(Not known)

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Narrow character sets

CYRL,
DOS437, DOS737, DOS775, DOS850, DOS852, DOS857, DOS858, DOS860,
DOS861, DOS862, DOS863, DOS864, DOS865, DOS866, DOS869,
ISO8859_1, ISO8859_13, ISO8859_2, ISO8859_3, ISO8859_4,
ISO8859_5, ISO8859_6, ISO8859_7, ISO8859_8, ISO8859_9,
KOI8R, KOI8U,
NEXT,
TIS620,
WIN1250, WIN1251, WIN1252, WIN1253, WIN1254, WIN1255, WIN1256,
WIN1257 and WIN1258.

ICU character sets

UTF-8 ibm-1208 ibm-1209 ibm-5304 ibm-5305 windows-65001 cp1208
UTF-16 ISO-10646-UCS-2 unicode csUnicode ucs-2
UTF-16BE x-utf-16be ibm-1200 ibm-1201 ibm-5297 ibm-13488
ibm-17584 windows-1201 cp1200 cp1201 UTF16_BigEndian
UTF-16LE x-utf-16le ibm-1202 ibm-13490 ibm-17586
UTF16_LittleEndian windows-1200
UTF-32 ISO-10646-UCS-4 csUCS4 ucs-4
UTF-32BE UTF32_BigEndian ibm-1232 ibm-1233
UTF-32LE UTF32_LittleEndian ibm-1234
UTF16_PlatformEndian
UTF16_OppositeEndian
UTF32_PlatformEndian
UTF32_OppositeEndian
UTF-7 windows-65000
IMAP-mailbox-name
SCSU
BCU-1 csBCU-1
CESU-8
ISO-8859-1 ibm-819 IBM819 cp819 latin1 8859_1 csISOLatin1
iso-ir-100 ISO_8859-1:1987 l1 819
US-ASCII ASCII ANSI_X3.4-1968 ANSI_X3.4-1986 ISO_646.irv:1991
iso_646.irv:1983 ISO646-US us csASCII iso-ir-6 cp367 ascii7
646 windows-20127

ISO_2022,locale=ja,version=0 ISO-2022-JP csISO2022JP
ISO_2022,locale=ja,version=1 ISO-2022-JP-1 JIS JIS_Encoding
ISO_2022,locale=ja,version=2 ISO-2022-JP-2 csISO2022JP2
ISO_2022,locale=ja,version=3 JIS7 csJISEncoding
ISO_2022,locale=ja,version=4 JIS8
ISO_2022,locale=ko,version=0 ISO-2022-KR csISO2022KR
ISO_2022,locale=ko,version=1 ibm-25546
ISO_2022,locale=zh,version=0 ISO-2022-CN
ISO_2022,locale=zh,version=1 ISO-2022-CN-EXT
HZ HZ-GB-2312
ISCII,version=0 x-iscii-de windows-57002 iscii-dev
ISCII,version=1 x-iscii-be windows-57003 iscii-bng windows-57006
x-iscii-as
ISCII,version=2 x-iscii-pa windows-57011 iscii-gur
ISCII,version=3 x-iscii-gu windows-57010 iscii-guj
ISCII,version=4 x-iscii-or windows-57007 iscii-ori
ISCII,version=5 x-iscii-ta windows-57004 iscii-tml
ISCII,version=6 x-iscii-te windows-57005 iscii-tlg
ISCII,version=7 x-iscii-ka windows-57008 iscii-knd
ISCII,version=8 x-iscii-ma windows-57009 iscii-mlm
gb18030 ibm-1392 windows-54936
LMBCS-1 lmbcs
LMBCS-2
LMBCS-3
LMBCS-4
LMBCS-5
LMBCS-6
LMBCS-8
LMBCS-11
LMBCS-16
LMBCS-17
LMBCS-18
LMBCS-19
ibm-367_P100-1995 ibm-367 IBM367
ibm-912_P100-1995 ibm-912 iso-8859-2 ISO_8859-2:1987 latin2
csISOLatin2 iso-ir-101 l2 8859_2 cp912 912 windows-28592
ibm-913_P100-2000 ibm-913 iso-8859-3 ISO_8859-3:1988 latin3
csISOLatin3 iso-ir-109 l3 8859_3 cp913 913 windows-28593
ibm-914_P100-1995 ibm-914 iso-8859-4 latin4 csISOLatin4
iso-ir-110 ISO_8859-4:1988 l4 8859_4 cp914 914 windows-28594
ibm-915_P100-1995 ibm-915 iso-8859-5 cyrillic csISOLatinCyrillic
iso-ir-144 ISO_8859-5:1988 8859_5 cp915 915 windows-28595
ibm-1089_P100-1995 ibm-1089 iso-8859-6 arabic csISOLatinArabic
iso-ir-127 ISO_8859-6:1987 ECMA-114 ASM0-708 8859_6 cp1089
1089 windows-28596 ISO-8859-6-I ISO-8859-6-E
ibm-813_P100-1995 ibm-813 iso-8859-7 greek greek8 EL0T_928
ECMA-118 csISOLatinGreek iso-ir-126 ISO_8859-7:1987 8859_7
cp813 813 windows-28597
ibm-916_P100-1995 ibm-916 iso-8859-8 hebrew csISOLatinHebrew
iso-ir-138 ISO_8859-8:1988 ISO-8859-8-I ISO-8859-8-E 8859_8
cp916 916 windows-28598

ibm-920_P100-1995 ibm-920 iso-8859-9 latin5 csISOLatin5
iso-ir-148 ISO_8859-9:1989 l5 8859_9 cp920 920 windows-28599
ECMA-128
ibm-921_P100-1995 ibm-921 iso-8859-13 8859_13 cp921 921
ibm-923_P100-1998 ibm-923 iso-8859-15 Latin-9 l9 8859_15 latin0
csisolatin0 csisolatin9 iso8859_15_fdis cp923 923 windows-28605
ibm-942_P12A-1999 ibm-942 ibm-932 cp932 shift_jis78 sjis78
ibm-942_VSUB_VPUA ibm-932_VSUB_VPUA
ibm-943_P15A-2003 ibm-943 Shift_JIS MS_Kanji csShiftJIS
windows-31j csWindows31J x-sjis x-ms-cp932 cp932 windows-932
cp943c IBM-943C ms932 pck sjis ibm-943_VSUB_VPUA
ibm-943_P130-1999 ibm-943 Shift_JIS cp943 943 ibm-943_VASCII_VSUB_VPUA
ibm-33722_P12A-1999 ibm-33722 ibm-5050 EUC-JP
Extended_UNIX_Code_Packed_Format_for_Japanese
csEUCPkFmtJapanese X-EUC-JP eucjis windows-51932
ibm-33722_VPUA IBM-eucJP
ibm-33722_P120-1999 ibm-33722 ibm-5050 cp33722 33722
ibm-33722_VASCII_VPUA
ibm-954_P101-2000 ibm-954 EUC-JP
ibm-1373_P100-2002 ibm-1373 windows-950
windows-950-2000 Big5 csBig5 windows-950 x-big5
ibm-950_P110-1999 ibm-950 cp950 950
macos-2566-10.2 Big5-HKSCS big5hk HKSCS-BIG5
ibm-1375_P100-2003 ibm-1375 Big5-HKSCS
ibm-1386_P100-2002 ibm-1386 cp1386 windows-936 ibm-1386_VSUB_VPUA
windows-936-2000 GBK CP936 MS936 windows-936
ibm-1383_P110-1999 ibm-1383 GB2312 csGB2312 EUC-CN ibm-eucCN
hp15CN cp1383 1383 ibm-1383_VPUA
ibm-5478_P100-1995 ibm-5478 GB_2312-80 chinese iso-ir-58
csISO58GB231280 gb2312-1980 GB2312.1980-0
ibm-964_P110-1999 ibm-964 EUC-TW ibm-eucTW cns11643 cp964 964
ibm-964_VPUA
ibm-949_P110-1999 ibm-949 cp949 949 ibm-949_VASCII_VSUB_VPUA
ibm-949_P11A-1999 ibm-949 cp949c ibm-949_VSUB_VPUA
ibm-970_P110-1995 ibm-970 EUC-KR KS_C_5601-1987 windows-51949
csEUCKR ibm-eucKR KSC_5601 5601 ibm-970_VPUA
ibm-971_P100-1995 ibm-971 ibm-971_VPUA
ibm-1363_P11B-1998 ibm-1363 KS_C_5601-1987 KS_C_5601-1989 KSC_5601
csKSC56011987 korean iso-ir-149 5601 cp1363 ksc windows-949
ibm-1363_VSUB_VPUA
ibm-1363_P110-1997 ibm-1363 ibm-1363_VASCII_VSUB_VPUA
windows-949-2000 windows-949 KS_C_5601-1987 KS_C_5601-1989
KSC_5601 csKSC56011987 korean iso-ir-149 ms949
ibm-1162_P100-1999 ibm-1162
ibm-874_P100-1995 ibm-874 ibm-9066 cp874 TIS-620 tis620.2533
eucTH cp9066
windows-874-2000 TIS-620 windows-874 MS874
ibm-437_P100-1995 ibm-437 IBM437 cp437 437 csPC8CodePage437
windows-437
ibm-850_P100-1995 ibm-850 IBM850 cp850 850 csPC850Multilingual

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windows-850
ibm-851_P100-1995 ibm-851 IBM851 cp851 851 csPC851
ibm-852_P100-1995 ibm-852 IBM852 cp852 852 csPCp852 windows-852
ibm-855_P100-1995 ibm-855 IBM855 cp855 855 csIBM855 csPCp855
ibm-856_P100-1995 ibm-856 cp856 856
ibm-857_P100-1995 ibm-857 IBM857 cp857 857 csIBM857 windows-857
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    PC-Multilingual-850+euro cp858
ibm-860_P100-1995 ibm-860 IBM860 cp860 860 csIBM860
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    windows-861
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    DOS-862 windows-862
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ibm-864_X110-1999 ibm-864 IBM864 cp864 csIBM864
ibm-865_P100-1995 ibm-865 IBM865 cp865 865 csIBM865
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ibm-867_P100-1998 ibm-867 cp867
ibm-868_P100-1995 ibm-868 IBM868 CP868 868 csIBM868 cp-ar
ibm-869_P100-1995 ibm-869 IBM869 cp869 869 cp-gr csIBM869
    windows-869
ibm-878_P100-1996 ibm-878 KOI8-R koi8 csKOI8R cp878
ibm-901_P100-1999 ibm-901
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ibm-922_P100-1999 ibm-922 cp922 922
ibm-4909_P100-1999 ibm-4909
ibm-5346_P100-1998 ibm-5346 windows-1250 cp1250
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windows-1256-2000 windows-1256 cp1256
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macos-0_2-10.2 macintosh mac csMacintosh windows-10000
macos-6-10.2 x-mac-greek windows-10006 macgr
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macos-29-10.2 x-mac-centraleurroman windows-10029 x-mac-ce macce

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csAdobeStandardEncoding
ibm-1277_P100-1995 ibm-1277 Adobe-Latin1-Encoding
ibm-1006_P100-1995 ibm-1006 cp1006 1006
ibm-1098_P100-1995 ibm-1098 cp1098 1098
ibm-1124_P100-1996 ibm-1124 cp1124 1124
ibm-1125_P100-1997 ibm-1125 cp1125
ibm-1129_P100-1997 ibm-1129
ibm-1131_P100-1997 ibm-1131 cp1131
ibm-1133_P100-1997 ibm-1133
ibm-1381_P110-1999 ibm-1381 cp1381 1381
ibm-37_P100-1995 ibm-37 IBM037 ibm-037 ebcdic-cp-us ebcdic-cp-ca
ebcdic-cp-wt ebcdic-cp-nl csIBM037 cp037 037 cpibm37 cp37
ibm-273_P100-1995 ibm-273 IBM273 CP273 csIBM273 ebcdic-de cpibm273
273
ibm-277_P100-1995 ibm-277 IBM277 cp277 EBCDIC-CP-DK EBCDIC-CP-NO
csIBM277 ebcdic-dk cpibm277 277
ibm-278_P100-1995 ibm-278 IBM278 cp278 ebcdic-cp-fi ebcdic-cp-se
csIBM278 ebcdic-sv cpibm278 278
ibm-280_P100-1995 ibm-280 IBM280 CP280 ebcdic-cp-it csIBM280
cpibm280 280
ibm-284_P100-1995 ibm-284 IBM284 CP284 ebcdic-cp-es csIBM284
cpibm284 284
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ebcdic-gb cpibm285 285
ibm-290_P100-1995 ibm-290 IBM290 cp290 EBCDIC-JP-kana csIBM290
ibm-297_P100-1995 ibm-297 IBM297 cp297 ebcdic-cp-fr csIBM297
cpibm297 297
ibm-420_X120-1999 ibm-420 IBM420 cp420 ebcdic-cp-ar1 csIBM420 420
ibm-424_P100-1995 ibm-424 IBM424 cp424 ebcdic-cp-he csIBM424 424
ibm-500_P100-1995 ibm-500 IBM500 CP500 ebcdic-cp-be csIBM500
ebcdic-cp-ch cpibm500 500
ibm-803_P100-1999 ibm-803 cp803
ibm-838_P100-1995 ibm-838 IBM-Thai csIBMThai cp838 838 ibm-9030
ibm-870_P100-1995 ibm-870 IBM870 CP870 ebcdic-cp-roece
ebcdic-cp-yu csIBM870
ibm-871_P100-1995 ibm-871 IBM871 ebcdic-cp-is csIBM871 CP871
ebcdic-is cpibm871 871
ibm-875_P100-1995 ibm-875 IBM875 cp875 875
ibm-918_P100-1995 ibm-918 IBM918 CP918 ebcdic-cp-ar2 csIBM918
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cpibm1140 ebcdic-us-37+euro
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cpibm1141 ebcdic-de-273+euro
ibm-1142_P100-1997 ibm-1142 IBM01142 CCSID01142 CP01142 cp1142
cpibm1142 ebcdic-dk-277+euro ebcdic-no-277+euro
ibm-1143_P100-1997 ibm-1143 IBM01143 CCSID01143 CP01143 cp1143
cpibm1143 ebcdic-fi-278+euro ebcdic-se-278+euro
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cpibm1144 ebcdic-it-280+euro
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cpibm1145 ebcdic-es-284+euro
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cpibm1146 ebcdic-gb-285+euro
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cpibm1147 ebcdic-fr-297+euro
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cpibm1148 ebcdic-international-500+euro
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cpibm1149 ebcdic-is-871+euro
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ibm-16684_P110-2003 ibm-16684
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ibm-16804_X110-1999 ibm-16804 cpibm16804 ebcdic-ar
ibm-1137_P100-1999 ibm-1137
ibm-5123_P100-1999 ibm-5123
ibm-8482_P100-1999 ibm-8482
ibm-37_P100-1995,swaplfnl ibm-37-s390 ibm037-s390
ibm-1047_P100-1995,swaplfnl ibm-1047-s390
ibm-1140_P100-1997,swaplfnl ibm-1140-s390
ibm-1142_P100-1997,swaplfnl ibm-1142-s390

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ibm-1143_P100-1997,swaplfnl ibm-1143-s390
ibm-1144_P100-1997,swaplfnl ibm-1144-s390
ibm-1145_P100-1997,swaplfnl ibm-1145-s390
ibm-1146_P100-1997,swaplfnl ibm-1146-s390
ibm-1147_P100-1997,swaplfnl ibm-1147-s390
ibm-1148_P100-1997,swaplfnl ibm-1148-s390
ibm-1149_P100-1997,swaplfnl ibm-1149-s390
ibm-1153_P100-1999,swaplfnl ibm-1153-s390
ibm-12712_P100-1998,swaplfnl ibm-12712-s390
ibm-16804_X110-1999,swaplfnl ibm-16804-s390
ebcdic-xml-us
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