

# Locale String Mapping Tables

It is assumed that you have read the chapter *Introduction to Internationalization* and are familiar with the various internationalization approaches described there.

A locale provides a means of identifying a specific region for the purposes of internationalization and localization. EntireX sends properties of the operating system locale to the Broker, using the locale string.

This chapter provides tables used during the process of mapping the locale string to codepages within the broker for the internationalization approaches *ICU conversion* and *SAGTRPC User Exit*. It does not apply to the other approaches. The locale string is case-insensitive, also dashes '-' and underscores '\_' are ignored (dashes and underscore improve human readability) when the broker examines the mapping tables described here.

This chapter covers the following topics:

- Mapping Table Usage by Internationalization Approach
- Mapping Two-character Language Codes
- Mapping UNIX Codepage Names
- Mapping Java Codepage Names
- Mapping Codepage Numbers

See also *Broker Attributes*.

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## Mapping Table Usage by Internationalization Approach

The following table provides an overview of what table to use for each internationalization approach.

Mapping Table	Used for Internationalization Approach	
	ICU Conversion	SAGTRPC User Exit
<i>Mapping Two-character Language Codes</i>	yes	yes
<i>Mapping UNIX Codepage Names</i>	no	yes
<i>Mapping Java Codepage Names</i>	no	yes
<i>Mapping Codepage Numbers</i>	no	yes

## Mapping Two-character Language Codes

This table is sorted by the ISO 639-2 language codes.

- **If ICU conversion is in effect for a service or topic:**  
Once you have determined the ICU converter alias, use the ICU Converter Explorer under *ICU Resources* to determine the real ICU converter’s canonical name.
- **If SAGTRPC user exit is in effect for a service or topic:**  
See column **Mapping to SAGTRPC User Exit Codepage Number** to determine the codepage number given to SAGTRPC user exit.

Two-character Language Code	Language Name	Mapping to SAGTRPC User Exit Codepage Number		Mapping to ICU Converter Alias
		Decimal	Hex	
ar	Arabic	0009	009	ibm-1089
bg	Bulgarian	0915	393	ibm-915
cs	Czech	0912	390	ibm-912
Da	Danish	0850	352	ibm-850
da	Danish	0819	333	ibm-819
De	German	0850	352	ibm-850
de	German	0819	333	ibm-819
el	Greek	0813	32d	ibm-813
En	English	0850	352	ibm-850
en	English	0819	333	ibm-819
Es	Spanish Castilian	0850	352	ibm-850
es	Spanish Castilian	0819	333	ibm-819

Two-character Language Code	Language Name	Mapping to SAGTRPC User Exit Codepage Number		Mapping to ICU Converter Alias
		Decimal	Hex	
Fi	Finnish	0850	352	ibm-850
fi	Finnish	0819	333	ibm-819
Fr	French	0850	352	ibm-850
fr	French	0819	333	ibm-819
he	Hebrew	0916	394	ibm-916
hr	Croatian	0912	390	ibm-912
hu	Hungarian	0912	390	ibm-912
Is	Icelandic	0850	352	ibm-850
is	Icelandic	0819	333	ibm-819
It	Italian	0850	352	ibm-850
it	Italian	0819	333	ibm-819
Ja	Japanese	0932	3a4	ibm-932
ja	Japanese	0018	012	ibm-33722
mk	Marshallese	0915	393	ibm-915
Nl	Dutch	0850	352	ibm-850
nl	Dutch	0819	333	ibm-819
No	Norwegian	0850	352	ibm-850
no	Norwegian	0819	333	ibm-819
pl	Polish	0912	390	ibm-912
Pt	Portuguese	0850	352	ibm-850
pt	Portuguese	0819	333	ibm-819
ro	Romanian	0912	390	ibm-912
ru	Russian	0915	393	ibm-915
sh	Serbo-Croatian	0912	390	ibm-912
sl	Slovenian	0912	390	ibm-912
sk	Slovak	0912	390	ibm-912
sr	Serbian	0915	393	ibm-915
Sv	Swedish	0850	352	ibm-850
sv	Swedish	0819	333	ibm-819
tr	Turkish	0920	398	ibm-920

## Mapping UNIX Codepage Names

This table is sorted by UNIX codepage names. It is used if SAGTRPC user exit is in effect for a service or topic. It is not used for other internationalization approaches. You can determine the number given to the SAGTRPC user exit as codepage number.

UNIX Codepage Name	Mapping to SAGTRPC User Exit Codepage Number	
	Decimal	Hex
ascii	0003	003
big5	0950	3b6
eucJP	0018	012
IBM-037	0037	025
IBM-1006	1006	3ee
IBM-1026	1026	402
IBM-1027	1027	403
IBM-1027-DOS	1027	403
IBM-1043	1043	413
IBM-273	0273	111
IBM-277	0277	115
IBM-278	0278	116
IBM-280	0280	118
IBM-284	0284	11c
IBM-285	0285	11d
IBM-290	0290	122
IBM-290-DOS	0290	122
IBM-297	0297	129
IBM-420	0420	1a4
IBM-424	0424	1a8
IBM-500	0500	1f4
IBM-850	0850	352
IBM-850-GL	0850	352
IBM-850-GR	0850	352
IBM-871	0871	367
IBM-918	0918	396
IBM-921	0921	399

UNIX Codepage Name	Mapping to SAGTRPC User Exit Codepage Number	
	Decimal	Hex
IBM-922	0922	39a
IBM-927	0927	39f
IBM-932	0932	3a4
IBM-948	0948	3b4
IBM-eucJP	0018	012
iso88591	0819	333
ISO8859-1	0819	333
iso885910	0919	397
ISO8859-10	0919	397
iso88592	0912	390
ISO8859-2	0912	390
ISO8859-3	0006	006
iso88593	0006	006
iso88594	0914	392
ISO8859-4	0914	392
iso88595	0915	393
ISO8859-5	0915	393
ISO8859-6	0009	009
iso88596	0009	009
iso88597	0813	32d
ISO8859-7	0813	32d
iso88598	0916	394
ISO8859-8	0916	394
iso88599	0920	398
ISO8859-9	0920	398
SJIS	0932	3a4
utf8	4091	ffb

## Mapping Java Codepage Names

This table is sorted by the Java codepage names. It is only used if SAGTRPC user exit is in effect for a service or topic. It is not used for other internationalization approaches. You can determine the number given to the SAGTRPC user exit as codepage number.

Java Codepage Name	Mapping to SAGTRPC User Exit Codepage Number	
	Decimal	Hex
ASCII	0003	003
Big5	0950	3b6
EUC_JP	0018	012
ISO8859_1	0819	333
ISO8859_10	0919	333
ISO8859_2	0912	390
ISO8859_3	0006	006
ISO8859_4	0914	392
ISO8859_5	0915	393
ISO8859_6	0009	009
ISO8859_7	0813	32d
ISO8859_8	0916	394
ISO8859_9	0920	398
KOI8_R	2084	824
SJIS	0932	3a4
UFF8	4091	ffb
UTF16	4095	fff

## Mapping Codepage Numbers

This table is sorted by the codepage number of the environment of origin. It is only used if SAGTRPC user exit is in effect for a service or topic. It is not used for other internationalization approaches. You can determine the number given to the SAGTRPC user exit as codepage number.

Codepage number	Mapping to SAGTRPC User Exit Codepage Number	
	Decimal	Hex
0037	0037	025
0273	0273	111
0277	0277	115
0278	0278	116
0280	0280	118
0284	0284	11c

Codepage number	Mapping to SAGTRPC User Exit Codepage Number	
	Decimal	Hex
0285	0285	11d
0290	0290	122
0297	0297	129
0300	0300	12c
0301	0301	12d
0420	0420	1a4
0424	0424	1a8
0437	0437	1b5
0500	0500	1f4
0775	2087	827
0813	0813	32d
0819	0819	333
0835	0835	343
0836	0836	344
0837	0837	345
0850	0850	352
0858	0858	35a
0870	0870	366
0871	0871	367
0875	0875	36b
0912	0912	390
0913	0006	006
0914	0914	392
0915	0915	393
0916	0916	394
0918	0918	396
0919	0919	397
0920	0920	398
0921	0921	399
0922	0922	39a
0927	0927	39f

Codepage number	Mapping to SAGTRPC User Exit Codepage Number	
	Decimal	Hex
0932	0932	3a4
0935	0935	3a7
0936	0936	3a8
0937	0937	3a9
0942	0942	3ae
0948	0948	3b4
0949	0949	3b5
0950	0950	3b6
0951	0951	3b7
1006	1006	3ee
1025	1025	401
1026	1026	402
1027	1027	403
1041	1041	411
1043	1043	413
1047	1047	417
1088	1088	440
1089	0009	009
1112	1112	458
1115	1115	45b
1122	1122	462
1200	4095	fff
1250	1250	4e2
1251	1251	4e3
1252	1252	4e4
1253	1253	4e5
1254	1254	4e6
1255	1255	4e7
1256	1256	4e8
1257	1257	4e9
1258	2258	8d2

Codepage number	Mapping to SAGTRPC User Exit Codepage Number	
	Decimal	Hex
1380	1380	564
1381	1381	565
3585	3585	e01
3586	3586	e02
3587	3587	e03
3588	3588	e04
3589	3589	e05
5026	3026	bd2
5035	3035	bdb
10001	3001	bb9
20127	0003	003
20866	2084	824
28709	3709	e7d
33722	0018	012
50005	0819	333
50006	0950	3b6
50010	0932	3a4
50012	4091	ffb
51932	0018	012
65001	4091	ffb