NAME

koi8-r – Russian Net Character Set encoded in octal, decimal, and hexadecimal

DESCRIPTION

KOI8-R is the character set of choice for encoding Russian texts for many Unix-like operation systems. KOI8-R is a successor for KOI-8, a de-facto standard for Internet Mail, News, WWW and other interactive services at least all over the ex-SU territory.

KOI8-R is defined by RFC 1489 (Registration of a Cyrillic Character Set).

NOTES

KOI8-R was designed for mixed Russian/English texts and covers only Russian Cyrillic characters, so if you're looking for Ukrainian, Byelorussian, etc. Cyrillic characters, try ISO-IR-111, or KOI8-U (Ukrainian Character Set), or KOI8-C (for ancient Russian texts) instead, which are identical to KOI8-R in the Russian Cyrillic letters area.

A more complete set of Cyrillic characters is also defined by the ISO-8859-5 character set.

KOI8-R Characters

The following table displays the characters in KOI8-R, which are printable and unlisted in the **ascii**(7) manual page.

Oct	Dec	Hex	Char	Description
200	128	80		FORMS LIGHT HORIZONTAL
201	129	81		FORMS LIGHT VERTICAL
202	130	82		FORMS LIGHT DOWN AND RIGHT
203	131	83		FORMS LIGHT DOWN AND LEFT
204	132	84		FORMS LIGHT UP AND RIGHT
205	133	85		FORMS LIGHT UP AND LEFT
206	134	86		FORMS LIGHT VERTICAL AND RIGHT
207	135	87		FORMS LIGHT VERTICAL AND LEFT
210	136	88		FORMS LIGHT DOWN AND HORIZONTAL
211	137	89		FORMS LIGHT UP AND HORIZONTAL
212	138	8A		FORMS LIGHT VERTICAL AND HORIZONTAL
213	139	8B		UPPER HALF BLOCK
214	140	8C		LOWER HALF BLOCK
215	141	8D		FULL BLOCK
216	142	8E		LEFT HALF BLOCK
217	143	8F		RIGHT HALF BLOCK
220	144	90		LIGHT SHADE
221	145	91		MEDIUM SHADE
222	146	92		DARK SHADE
223	147	93		TOP HALF INTEGRAL
224	148	94		BLACK SMALL SQUARE
225	149	95		BULLET OPERATOR
226	150	96		SQUARE ROOT
227	151	97		ALMOST EQUAL TO
230	152	98		LESS THAN OR EQUAL TO
231	153	99		GREATER THAN OR EQUAL TO
232	154	9A		NON-BREAKING SPACE
233	155	9B		BOTTOM HALF INTEGRAL
234	156	9C	°	DEGREE SIGN
235	157	9D	²	SUPERSCRIPT DIGIT TWO
236	158	9E	·	MIDDLE DOT
237	159	9F	÷	DIVISION SIGN
240	160	A0		FORMS DOUBLE HORIZONTAL
241	161	A1		FORMS DOUBLE VERTICAL

242	162	A2		FORMS DOWN SINGLE AND RIGHT DOUBLE
243	163	A3		CYRILLIC SMALL LETTER IO
244	164	A4		FORMS DOWN DOUBLE AND RIGHT SINGLE
245	165	A5		FORMS DOUBLE DOWN AND RIGHT
246	166	A6		FORMS DOWN SINGLE AND LEFT DOUBLE
247	167	A7		FORMS DOWN DOUBLE AND LEFT SINGLE
250	168	A8		FORMS DOUBLE DOWN AND LEFT
251	169	A9		FORMS UP SINGLE AND RIGHT DOUBLE
252	170	AA		FORMS UP DOUBLE AND RIGHT SINGLE
253	171	AB		FORMS DOUBLE UP AND RIGHT
254	172	AC		FORMS UP SINGLE AND LEFT DOUBLE
255	173	AD		FORMS UP DOUBLE AND LEFT SINGLE
256	174	AE		FORMS DOUBLE UP AND LEFT
257	175	AF		FORMS VERTICAL SINGLE AND RIGHT DOUBLE
260	176	B0		FORMS VERTICAL DOUBLE AND RIGHT SINGLE
261	177	B1		FORMS DOUBLE VERTICAL AND RIGHT
262	178	B2		FORMS VERTICAL SINGLE AND LEFT DOUBLE
263	179	B3		CYRILLIC CAPITAL LETTER IO
264	180	B4		FORMS VERTICAL DOUBLE AND LEFT SINGLE
265	181	B5		FORMS DOUBLE VERTICAL AND LEFT
266	182	B6		FORMS DOWN SINGLE AND HORIZONTAL DOUBLE
267	183	B7		FORMS DOWN DOUBLE AND HORIZONTAL SINGLE
270	184	B8		FORMS DOUBLE DOWN AND HORIZONTAL
271	185	B9		FORMS UP SINGLE AND HORIZONTAL DOUBLE
272	186	BA		FORMS UP DOUBLE AND HORIZONTAL SINGLE
273	187	BB		FORMS DOUBLE UP AND HORIZONTAL
274	188	BC		FORMS VERTICAL SINGLE AND HORIZONTAL DOUBLE
275	189	BD		FORMS VERTICAL DOUBLE AND HORIZONTAL SINGLE
276	190	BE		FORMS DOUBLE VERTICAL AND HORIZONTAL
277	191	BF	©	COPYRIGHT SIGN
300	192	C0		CYRILLIC SMALL LETTER IU
301	193	C1		CYRILLIC SMALL LETTER A
302	194	C2		CYRILLIC SMALL LETTER BE
303	195	C3		CYRILLIC SMALL LETTER TSE
304	196	C4		CYRILLIC SMALL LETTER DE
305	197	C5		CYRILLIC SMALL LETTER IE
306	198	C6		CYRILLIC SMALL LETTER EF
307	199	C7		CYRILLIC SMALL LETTER GE
310	200	C8		CYRILLIC SMALL LETTER KHA
311	201	C9		CYRILLIC SMALL LETTER II
312	202	CA		CYRILLIC SMALL LETTER SHORT II
313	203	CB		CYRILLIC SMALL LETTER KA
314	204	CC		CYRILLIC SMALL LETTER EL
315	205	CD		CYRILLIC SMALL LETTER EM
316	206	CE		CYRILLIC SMALL LETTER EN
317	207	CF		CYRILLIC SMALL LETTER O
320	208	D0		CYRILLIC SMALL LETTER PE
321	209	D1		CYRILLIC SMALL LETTER IA
322	210	D2		CYRILLIC SMALL LETTER ER
323	211	D3		CYRILLIC SMALL LETTER ES
324	212	D4		CYRILLIC SMALL LETTER TE
325	213	D5		CYRILLIC SMALL LETTER U
326	214	D6		CYRILLIC SMALL LETTER ZHE

327	215	D7	CYRILLIC SMALL LETTER VE
330	216	D8	CYRILLIC SMALL LETTER SOFT SIGN
331	217	D9	CYRILLIC SMALL LETTER YERI
332	218	DA	CYRILLIC SMALL LETTER ZE
333	219	DB	CYRILLIC SMALL LETTER SHA
334	220	DC	CYRILLIC SMALL LETTER REVERSED E
335	221	DD	CYRILLIC SMALL LETTER SHCHA
336	222	DE	CYRILLIC SMALL LETTER CHE
337	223	DF	CYRILLIC SMALL LETTER HARD SIGN
340	224	E0	CYRILLIC CAPITAL LETTER IU
341	225	E1	CYRILLIC CAPITAL LETTER A
342	226	E2	CYRILLIC CAPITAL LETTER BE
343	227	E3	CYRILLIC CAPITAL LETTER TSE
344	228	E4	CYRILLIC CAPITAL LETTER DE
345	229	E5	CYRILLIC CAPITAL LETTER IE
346	230	E6	CYRILLIC CAPITAL LETTER EF
347	231	E7	CYRILLIC CAPITAL LETTER GE
350	232	E8	CYRILLIC CAPITAL LETTER KHA
351	233	E9	CYRILLIC CAPITAL LETTER II
352	234	EA	CYRILLIC CAPITAL LETTER SHORT II
353	235	EB	CYRILLIC CAPITAL LETTER KA
354	236	EC	CYRILLIC CAPITAL LETTER EL
355	237	ED	CYRILLIC CAPITAL LETTER EM
356	238	EE	CYRILLIC CAPITAL LETTER EN
357	239	EF	CYRILLIC CAPITAL LETTER O
360	240	F0	CYRILLIC CAPITAL LETTER PE
361	241	F1	CYRILLIC CAPITAL LETTER IA
362	242	F2	CYRILLIC CAPITAL LETTER ER
363	243	F3	CYRILLIC CAPITAL LETTER ES
364	244	F4	CYRILLIC CAPITAL LETTER TE
365	245	F5	CYRILLIC CAPITAL LETTER U
366	246	F6	CYRILLIC CAPITAL LETTER ZHE
367	247	F7	CYRILLIC CAPITAL LETTER VE
370	248	F8	CYRILLIC CAPITAL LETTER SOFT SIGN
371	249	F9	CYRILLIC CAPITAL LETTER YERI
372	250	FA	CYRILLIC CAPITAL LETTER ZE
373	251	FB	CYRILLIC CAPITAL LETTER SHA
374	252	FC	CYRILLIC CAPITAL LETTER REVERSED E
375	253	FD	CYRILLIC CAPITAL LETTER SHCHA
376	254	FE	CYRILLIC CAPITAL LETTER CHE
377	255	FF	CYRILLIC CAPITAL LETTER HARD SIGN

SEE ALSO
ascii(7), **iso-8859-7**(7), **koi8-u**(7), RFC 1489, http://koi8.pp.ru/

COLOPHON
This page is part of release 3.22 of the Linux *man-pages* project. A description of the project, and information about reporting bugs, can be found at http://www.kernel.org/doc/man-pages/.