

## Allowed characters for contacts in EPP

Every contact object can have 2 addresses, one international ("int") and one local ("loc"). The international address may only contain us-ascii while the local can contain a collection of other UTF-8 characters.

Both types allows spaces.

### INT ADDRESS TYPE ALLOWED CHARACTERS

Unicode	Character	UTF 8	Name
U+0020		20	Space
U+0021	!	21	Exclamation mark
U+0022	"	22	Quotation mark
U+0023	#	23	Number sign
U+0024	\$	24	Dollar sign
U+0025	%	25	Percent sign
U+0026	&	26	Ampersand
U+0027	'	27	Apostrophe
U+0028	(	28	Left Parentheses
U+0029	)	29	Right Parentheses
U+002a	*	2a	Asterisk
U+002b	+	2b	Plus sign
U+002c	,	2c	Comma
U+002d	-	2d	Minus
U+002e	.	2e	Dot
U+002f	/	2f	Slash
U+0030 - U+0039	0-9	30 - 39	Numbers
U+003a	:	3a	Colon
U+003b	;	3b	Semicolon
U+003c	<	3c	Less-than sign
U+003d	=	3d	Equal sign
U+003e	>	3e	Greater-than sign
U+003f	?	3f	Question mark
U+0040	@	40	At sign
U+0041 - U+005a	A-Z	41 - 5a	Uppercase letters
U+005b	[	5b	Left Square brackets
U+005c	\	5c	Backslash
U+005d	]	5d	Right Square brackets
U+005e	^	5e	Caret
U+005f	_	5f	Underscore
U+0060	`	60	Grave accent
U+0061 - U+007a	a-z	61 - 7a	Lowercase letters
U+007b	{	7b	Left Bracket
U+007c		7c	Vertical bar
U+007d	}	7d	Right Bracket
U+007e	~	7e	Tilde

## LOCAL ADDRESS TYPE ALLOWED CHARACTERS

Int Address type allowed characters plus the following

Unicode	Character	UTF 8	Description
U+00A7	§	c2 a7	Section sign
U+00B4	´	c2 b4	Acute accent
U+00B7	·	c2 b7	Middle dot
U+00C0	À	c3 80	Latin capital letter A with grave
U+00C1	Á	c3 81	Latin capital letter A with acute
U+00C2	Â	c3 82	Latin capital letter A with circumflex
U+00C3	Ã	c3 83	Latin capital letter A with tilde
U+00C4	Ä	c3 84	Latin capital letter A with diaeresis
U+00C5	Å	c3 85	Latin capital letter A with ring above
U+00C6	Æ	c3 86	Latin capital letter AE
U+00C7	Ç	c3 87	Latin capital letter C with cedilla
U+00C8	È	c3 88	Latin capital letter E with grave
U+00C9	É	c3 89	Latin capital letter E with acute
U+00CA	Ê	c3 8a	Latin capital letter E with circumflex
U+00CB	Ë	c3 8b	Latin capital letter E with diaeresis
U+00CC	Ì	c3 8c	Latin capital letter I with grave
U+00CD	Í	c3 8d	Latin capital letter I with acute
U+00CE	Î	c3 8e	Latin capital letter I with circumflex
U+00CF	Ï	c3 8f	Latin capital letter I with diaeresis
U+00D0	Ð	c3 90	Latin capital letter ETH
U+00D1	Ñ	c3 91	Latin capital letter N with tilde
U+00D2	Ò	c3 92	Latin capital letter O with grave
U+00D3	Ó	c3 93	Latin capital letter O with acute
U+00D4	Ô	c3 94	Latin capital letter O with circumflex
U+00D5	Õ	c3 95	Latin capital letter O with tilde
U+00D6	Ö	c3 96	Latin capital letter O with diaeresis
U+00D8	Ø	c3 98	Latin capital letter O with stroke
U+00D9	Ù	c3 99	Latin capital letter U with grave
U+00DA	Ú	c3 9a	Latin capital letter U with acute
U+00DB	Û	c3 9b	Latin capital letter U with circumflex
U+00DC	Ü	c3 9c	Latin capital letter U with diaeresis
U+00DD	Ý	c3 9d	Latin capital letter Y with acute
U+00DE	Þ	c3 9e	Latin capital letter THORN
U+00DF	ß	c3 9f	Latin small letter SHARP S
U+00E0	à	c3 a0	Latin small letter A with grave
U+00E1	á	c3 a1	Latin small letter A with acute
U+00E2	â	c3 a2	Latin small letter A with circumflex
U+00E3	ã	c3 a3	Latin small letter A with tilde
U+00E4	ä	c3 a4	Latin small letter A with diaeresis
U+00E5	å	c3 a5	Latin small letter A with ring above
U+00E6	æ	c3 a6	Latin small letter AE
U+00E7	ç	c3 a7	Latin small letter C with cedilla
U+00E8	è	c3 a8	Latin small letter E with grave
U+00E9	é	c3 a9	Latin small letter E with acute
U+00EA	ê	c3 aa	Latin small letter E with circumflex
U+00EB	ë	c3 ab	Latin small letter E with diaeresis
U+00EC	ì	c3 ac	Latin small letter I with grave
U+00ED	í	c3 ad	Latin small letter I with acute
U+00EE	î	c3 ae	Latin small letter I with circumflex
U+00EF	ï	c3 af	Latin small letter I with diaeresis
U+00F0	ð	c3 b0	Latin small letter ETH
U+00F1	ñ	c3 b1	Latin small letter N with tilde
U+00F2	ò	c3 b2	Latin small letter O with grave
U+00F3	ó	c3 b3	Latin small letter O with acute
U+00F4	ô	c3 b4	Latin small letter O with circumflex
U+00F5	õ	c3 b5	Latin small letter O with tilde
U+00F6	ö	c3 b6	Latin small letter O with diaeresis

U+00F8	ø	c3 b8	Latin small letter O with stroke
U+00F9	ù	c3 b9	Latin small letter U with grave
U+00FA	ú	c3 ba	Latin small letter U with acute
U+00FB	û	c3 bb	Latin small letter U with circumflex
U+00FC	ü	c3 bc	Latin small letter U with diaeresis
U+00FD	ý	c3 bd	Latin small letter Y with acute
U+00FE	þ	c3 be	Latin small letter THORN
U+00FF	ÿ	c3 bf	Latin small letter Y with diaeresis
U+0100	Ā	c4 80	Latin capital letter A with macron
U+0101	ā	c4 81	Latin small letter A with macron
U+0102	Ā	c4 82	Latin capital letter A with breve
U+0103	ā	c4 83	Latin small letter A with breve
U+0104	Ą	c4 84	Latin capital letter A with ogonek
U+0105	ą	c4 85	Latin small letter A with ogonek
U+0106	Ć	c4 86	Latin capital letter C with acute
U+0107	ć	c4 87	Latin small letter C with acute
U+010A	Ĉ	c4 8a	Latin capital letter C with dot above
U+010B	ĉ	c4 8b	Latin small letter C with dot above
U+010C	Č	c4 8c	Latin capital letter C with caron
U+010D	č	c4 8d	Latin small letter C with caron
U+010E	Ď	c4 8e	Latin capital letter D with caron
U+010F	ď	c4 8f	Latin small letter D with caron
U+0110	Đ	c4 90	Latin capital letter D with stroke
U+0111	đ	c4 91	Latin small letter D with stroke
U+0112	Ē	c4 92	Latin capital letter E with macron
U+0113	ē	c4 93	Latin small letter E with macron
U+0116	Ĕ	c4 96	Latin capital letter E with dot above
U+0117	ĕ	c4 97	Latin small letter E with dot above
U+0118	Ę	c4 98	Latin capital letter E with ogonek
U+0119	ę	c4 99	Latin small letter E with ogonek
U+011A	Ě	c4 9a	Latin capital letter E with caron
U+011B	ě	c4 9b	Latin small letter E with caron
U+011E	Ĝ	c4 9e	Latin capital letter G with breve
U+011F	ĝ	c4 9f	Latin small letter G with breve
U+0120	Ğ	c4 a0	Latin capital letter G with dot above
U+0121	ğ	c4 a1	Latin small letter G with dot above
U+0122	Ġ	c4 a2	Latin capital letter G with cedilla
U+0123	ġ	c4 a3	Latin small letter G with cedilla
U+0126	Ĥ	c4 a6	Latin capital letter H with stroke
U+0127	ĥ	c4 a7	Latin small letter H with stroke
U+012A	Ī	c4 aa	Latin capital letter I with macron
U+012B	ī	c4 ab	Latin small letter I with macron
U+012E	Į	c4 ae	Latin capital letter I with ogonek
U+012F	į	c4 af	Latin small letter I with ogonek
U+0130	İ	c4 b0	Latin capital letter I with dot above
U+0131	ı	c4 b1	Latin small letter dotless I
U+0136	Ɔ	c4 b6	Latin capital letter K with cedilla
U+0137	ƙ	c4 b7	Latin small letter K with cedilla
U+0139	Ĺ	c4 b9	Latin capital letter L with acute
U+013A	ĺ	c4 ba	Latin small letter L with acute
U+013B	Ł	c4 bb	Latin capital letter L with cedilla
U+013C	ł	c4 bc	Latin small letter L with cedilla
U+013D	Ľ	c4 bd	Latin capital letter L with caron
U+013E	ľ	c4 be	Latin small letter L with caron
U+0141	Ł	c5 81	Latin capital letter L with stroke
U+0142	ł	c5 82	Latin small letter L with stroke
U+0143	Ń	c5 83	Latin capital letter N with acute
U+0144	ń	c5 84	Latin small letter N with acute
U+0145	Ņ	c5 85	Latin capital letter N with cedilla
U+0146	ņ	c5 86	Latin small letter N with cedilla
U+0147	Ň	c5 87	Latin capital letter N with caron
U+0148	ň	c5 88	Latin small letter N with caron

U+014A	Đ	c5 8a	Latin capital letter ENG
U+014B	đ	c5 8b	Latin small letter ENG
U+014C	Ō	c5 8c	Latin capital letter O with macron
U+014D	ō	c5 8d	Latin small letter O with macron
U+0150	Ŏ	c5 90	Latin capital letter O with double acute
U+0151	ő	c5 91	Latin small letter O with double acute
U+0152	Œ	c5 92	Latin capital ligature OE
U+0153	œ	c5 93	Latin small ligature OE
U+0154	Ŕ	c5 94	Latin capital letter R with acute
U+0155	ř	c5 95	Latin small letter R with acute
U+0156	Ŗ	c5 96	Latin capital letter R with cedilla
U+0157	ŗ	c5 97	Latin small letter R with cedilla
U+0158	Ř	c5 98	Latin capital letter R with caron
U+0159	ṛ̌	c5 99	Latin small letter R with caron
U+015A	Ŝ	c5 9a	Latin capital letter S with acute
U+015B	ŝ	c5 9b	Latin small letter S with acute
U+015E	Ș	c5 9e	Latin capital letter S with cedilla
U+015F	ș	c5 9f	Latin small letter S with cedilla
U+0160	Š	c5 a0	Latin capital letter S with caron
U+0161	š	c5 a1	Latin small letter S with caron
U+0162	Ţ	c5 a2	Latin capital letter T with cedilla
U+0163	ţ	c5 a3	Latin small letter T with cedilla
U+0164	Ț	c5 a4	Latin capital letter T with caron
U+0165	ț	c5 a5	Latin small letter T with caron
U+0166	Ʀ	c5 a6	Latin capital letter T with stroke
U+0167	Ƨ	c5 a7	Latin small letter T with stroke
U+016A	Ū	c5 aa	Latin capital letter U with macron
U+016B	ū	c5 ab	Latin small letter U with macron
U+016E	Ū	c5 ae	Latin capital letter U with ring above
U+016F	ū̇	c5 af	Latin small letter U with ring above
U+0170	Ů	c5 b0	Latin capital letter U with double acute
U+0171	ů	c5 b1	Latin small letter U with double acute
U+0172	Ű	c5 b2	Latin capital letter U with ogonek
U+0173	ű	c5 b3	Latin small letter U with ogonek
U+0174	Ŵ	c5 b4	Latin capital letter W with circumflex
U+0175	ŵ	c5 b5	Latin small letter W with circumflex
U+0176	Ỳ	c5 b6	Latin capital letter Y with circumflex
U+0177	ỳ	c5 b7	Latin small letter Y with circumflex
U+0178	ÿ	c5 b8	Latin capital letter Y with diaeresis
U+0179	Ẑ	c5 b9	Latin capital letter Z with acute
U+017A	ẑ	c5 ba	Latin small letter Z with acute
U+017B	Ẓ	c5 bb	Latin capital letter Z with dot above
U+017C	ẓ	c5 bc	Latin small letter Z with dot above
U+017D	Ẕ	c5 bd	Latin capital letter Z with caron
U+017E	ẕ	c5 be	Latin small letter Z with caron
U+018F	Ə	c6 8f	Latin capital letter SCHWA
U+01B7	Ʒ	c6 b7	Latin capital letter EZH
U+01CD	Ǻ	c7 8d	Latin capital letter A with caron
U+01CE	ǻ	c7 8e	Latin small letter A with caron
U+01CF	Ǫ	c7 8f	Latin capital letter I with caron
U+01D0	ǫ	c7 90	Latin small letter I with caron
U+01D1	Ǭ	c7 91	Latin capital letter O with caron
U+01D2	ǭ	c7 92	Latin small letter O with caron
U+01D3	Ǯ	c7 93	Latin capital letter U with caron
U+01D4	ǯ	c7 94	Latin small letter U with caron
U+01E4	Ɔ	c7 a4	Latin capital letter G with stroke
U+01E5	Ƨ	c7 a5	Latin small letter G with stroke
U+01E6	Ɔ̣	c7 a6	Latin capital letter G with caron
U+01E7	Ƨ̣	c7 a7	Latin small letter G with caron
U+01E8	Ɔ̣	c7 a8	Latin capital letter K with caron
U+01E9	Ƨ̣	c7 a9	Latin small letter K with caron
U+01EE	Ʒ̣	c7 ae	Latin capital letter EZH with caron

U+01EF	ž	c7 af	Latin small letter EZH with caron
U+0259	ə	c9 99	Latin small letter SCHWA
U+0292	Ʒ	ca 92	Latin small letter EZH
U+1E80	Ŵ	e1 ba 80	Latin capital letter W with grave
U+1E81	ŵ	e1 ba 81	Latin small letter W with grave
U+1E82	Ŷ	e1 ba 82	Latin capital letter W with acute
U+1E83	ŷ	e1 ba 83	Latin small letter W with acute
U+1E84	Ÿ	e1 ba 84	Latin capital letter W with diaeresis
U+1E85	Ź	e1 ba 85	Latin small letter W with diaeresis
U+1EF2	Ỳ	e1 bb b2	Latin capital letter Y with grave
U+1EF3	ỳ	e1 bb b3	Latin small letter Y with grave