



Network Troubleshooting

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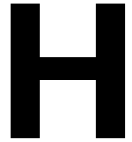
H Dec/Hex/ASCII/EBCDIC-Conversion Table

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Dec/Hex/ASCII/EBCDIC- Conversion Table



ASCII = American National Standard Code for Information Interchange

EBCDIC = Extended Binary Coded Decimal Interchange Code

Dec = Decimal

Hex = Hexadecimal

Dec	Hex	ASCII		EBCDIC	
0	00	NUL	Null	NUL	Null
1	01	SOH	Start of Heading (CC)	SOH	Start of Heading
2	02	STX	Start of Text (CC)	STX	Start of Text
3	03	ETX	End of Text (CC)	ETX	End of Text
4	04	EOT	End of Transmission (CC)	PF	Punch Off
5	05	ENQ	Enquiry (CC)	HT	Horizontal Tab
6	06	ACK	Acknowledge (CC)	LC	Lower Case
7	07	BEL	Bell	DEL	Delete
8	08	BS	Backspace (FE)		
9	09	HT	Horizontal Tabulation (FE)		
<hr/>					
10	0A	LF	Line Feed (FE)	SMM	Start of Manual Message
11	0B	VT	Vertical Tabulation (FE)	VT	Vertical Tab
12	0C	FF	Form Feed (FE)	FF	Form Feed
13	0D	CR	Carriage Return (FE)	CR	Carriage Return
14	0E	SO	Shift Out	SO	Shift Out
15	0F	SI	Shift In	SI	Shift In
<hr/>					
16	10	DLE	Data Link Escape (CC)	DLE	Data Link Escape
17	11	DC1	Device Control 1	DC1	Device Control 1
18	12	DC2	Device Control 2	DC2	Device Control 2
19	13	DC3	Device Control 3	TM	Tape Mark

Dec	Hex	ASCII		EBCDIC	
20	14	DC4	Device Control 4	RES	Restore
21	15	NAK	Negative Acknowledge (CC)	NL	New Line
22	16	SYN	Synchronous Idle (CC)	BS	Backspace
23	17	ETB	End of Transmission Block (CC)	IL	Idle
24	18	CAN	Cancel	CAN	Cancel
25	19	EM	End of Medium	EM	End of Medium
26	1A	SUB	Substitute	CC	Cursor Control
27	1B	ESC	Escape	CU1	Customer Use 1
28	1C	FS	File Separator (IS)	IFS	Interchange File Separator
29	1D	GS	Group Separator (IS)	IGS	Interchange Group Separator
30	1E	RS	Record Separator (IS)	IRS	Interchange Record Separator
31	1F	US	Unit Separator (IS)	IUS	Interchange Unit Separator
32	20	SP	Space	DS	Digit Select
33	21	!	Exclamation Point	SOS	Start of Significance
34	22	"	Quotation Mark	FS	Field Separator
35	23	#	Number Sign, Octothorp, "pound"		
36	24	\$	Dollar Sign	BYP	Bypass
37	25	%	Percent	LF	Line Feed
38	26	&	Ampersand	ETB	End of Transmission Block
39	27	'	Apostrophe, Prime	ESC	Escape
40	28	(Left Parenthesis		
41	29)	Right Parenthesis		
42	2A	*	Asterisk, "star"	SM	Set Mode
43	2B	+	Plus Sign	CU2	Customer Use 2

Dec	Hex	ASCII	EBCDIC
44	2C	,	Comma
45	2D	-	Hyphen, Minus Sign
46	2E	.	Period, Decimal Point, "dot"
47	2F	/	Slash, Virgule
48	30	0	0
49	31	1	1
50	32	2	2
51	33	3	3
52	34	4	4
53	35	5	5
54	36	6	6
55	37	7	7
56	38	8	8
57	39	9	9
58	3A	:	Colon
59	3B	;	Semicolon
60	3C	<	Less-than Sign
61	3D	=	Equal Sign
62	3E	>	Greater-than Sign
63	3F	?	Question Mark
64	40	@	At Sign
65	41	A	A
66	42	B	B
67	43	C	C
68	44	D	D
69	45	E	E
70	46	F	F

ENQ Enquiry

ACK Acknowledge

BEL Bell

SYN Synchronous Idle

PN Punch On

RS Reader Stop

UC Upper Case

EOT End of Transmission

CU3 Customer Use 3

DC4 Device Control 4

NAK Negative Acknowledge

SUB Substitute

SP Space

Dec	Hex	ASCII		EBCDIC
71	47	G	G	
72	48	H	H	
73	49	I	I	
74	4A	J	J	¢ Cent Sign
75	4B	K	K	. Period, Decimal Point, "dot"
76	4C	L	L	< Less-than Sign
77	4D	M	M	(Left Parenthesis
78	4E	N	N	+ Plus Sign
79	4F	O	O	Logical OR
80	50	P	P	& Ampersand
81	51	Q	Q	
82	52	R	R	
83	53	S	S	
84	54	T	T	
85	55	U	U	
86	56	V	V	
87	57	W	W	
88	58	X	X	
89	59	Y	Y	
90	5A	Z	Z	! Exclamation Point
91	5B	[Opening Bracket	\$ Dollar Sign
92	5C	\	Reverse Slant	* Asterisk, "star"
93	5D]	Closing Bracket) Right Parenthesis
94	5E	^	Circumflex, Caret	; Semicolon
95	5F	_	Underline, Underscore	¬ Logical NOT
96	60	‘	Grave Accent	- Hyphen, Minus Sign
97	61	a	a	

Dec	Hex	ASCII	EBCDIC	
98	62	b	b	
99	63	c	c	
100	64	d	d	
101	65	e	e	
102	66	f	f	
103	67	g	g	
104	68	h	h	
105	69	i	i	
106	6A	j	j	
107	6B	k	k	
108	6C	l	l	
109	6D	m	m	
110	6E	n	n	
111	6F	o	o	
112	70	p	p	
113	71	q	q	
114	72	r	r	
115	73	s	s	
116	74	t	t	
117	75	u	u	
118	76	v	v	
119	77	w	w	
120	78	x	x	
121	79	y	y	
122	7A	z	z	
123	7B	{	Opening Brace	
			,	Comma
			%	Percent
			_	Underline, Under- score
			>	Greater-than Sign
			?	Question Mark
			:	Colon
			#	Number Sign, Octothorp, «pound»

Dec	Hex	ASCII		EBCDIC	
124	7C		Vertical Line	@	At Sign
125	7D	}	Closing Brace	'	Apostrophe, Prime
126	7E	~	Tilde	=	Equal Sign
127	7F	DEL	Delete	"	Quotation Mark
128	80		Reserved		
129	81		Reserved	a	a
130	82		Reserved	b	b
131	83		Reserved	c	c
132	84	IND	Index (FE)	d	d
133	85	NEL	Next Line (FE)	e	e
134	86	SSA	Start of Selected Area	f	f
135	87	ESA	End of Selected Area	g	g
136	88	HTS	Horizontal Tabulation Set (FE)	h	h
137	89	HTJ	Horizontal Tabulation with Justification (FE)	i	i
138	8A	VTB	Vertical Tabulation Set (FE)		
139	8B	PLD	Partial Line Down (FE)		
140	8C	PLU	Partial Line Up (FE)		
141	8D	RI	Reverse Index (FE)		
142	8E	SS2	Single Shift Two (1)		
143	8F	SS3	Single Shift Three (1)		
144	90	DCS	Device Control String (2)		
145	91	PU1	Private Use One	j	j
146	92	PU2	Private Use Two	k	k
147	93	STS	Set Transmit State	l	l
148	94	CCH	Cancel Character	m	m
149	95	MW	Message Waiting	n	n
150	96	SPA	Start of Protected Area	o	o

Dec	Hex	ASCII	EBCDIC	
151	97	EPA	End of Protected Area	p p
152	98		Reserved	q q
153	99		Reserved	r r
154	9A		Reserved	
155	9B	CSI	Control Sequence Introducer (1)	
156	9C	ST	String Terminator (2)	
157	9D	OSC	Operating System Command (2)	
158	9E	PM	Privacy Message (2)	
159	9F	APC	Application Program Command (2)	
160	A0			
161	A1			
162	A2			s s
163	A3			t t
164	A4			u u
165	A5			v v
166	A6			w w
167	A7			x x
168	A8			y y
169	A9			z z
170	AA			
171	AB			
172	AC			
173	AD			
174	AE			
175	AF			
176	B0			
177	B1			
178	B2			

Dec	Hex	ASCII	EBCDIC	
179	B3			
180	B4			
181	B5			
182	B6			
183	B7			
184	B8			
185	B9		‘	Grave Accent
186	BA			
187	BB			
188	BC			
189	BD			
190	BE			
191	BF			
192	C0			
193	C1		A	A
194	C2		B	B
195	C3		C	C
196	C4		D	D
197	C5		E	E
198	C6		F	F
199	C7		G	G
200	C8		H	H
201	C9		I	I
202	CA			
203	CB			
204	CC			
205	CD			
206	CE			

Dec	Hex	ASCII	EBCDIC	
207	CF			
208	D0			
209	D1		J	J
210	D2		K	K
211	D3		L	L
212	D4		M	M
213	D5		N	N
214	D6		O	O
215	D7		P	P
216	D8		Q	Q
217	D9		R	R
218	DA			
219	DB			
220	DC			
221	DD			
222	DE			
223	DF			
224	E0			
225	E1			
226	E2		S	S
227	E3		T	T
228	E4		U	U
229	E5		V	V
230	E6		W	W
231	E7		X	X
232	E8		Y	Y
233	E9		Z	Z
234	EA			

Dec	Hex	ASCII	EBCDIC	
235	EB			
236	EC			
237	ED			
238	EE			
239	EF			
<hr/>				
240	F0		0	0
241	F1		1	1
242	F2		2	2
243	F3		3	3
244	F4		4	4
245	F5		5	5
246	F6		6	6
247	F7		7	7
248	F8		8	8
249	F9		9	9
<hr/>				
250	FA			
251	FB			
252	FC			
253	FD			
254	FE			
255	FF			