

Development

- [Japan Specific | JIS](#)
 - [UTF8 to Shift_JIS in Javascript](#)
- [Proxmox VE](#)
 - [Windows11 installation failed reasons](#)

Japan Specific | JIS

UTF8 to Shift_JIS in Javascript

Background

The **TextEncoder()** in js does [not support Shift_JIS](#), which means you may need to find some alternative ways to turn UTF-8 Japanese/Kana character into Shift_JIS encoding format for further handling in your use-case (such as FeliCa chip personalisation).

To verify whether a pair of hex values is in SJIS format - use this [site](#)[1] or this [site](#)[2].

Know more about Japanese Character Set

See this [presentation](#) by MySQL.

Half-width Katakana in UTF-8

In Unicode, half-width katakana, which is called as hankaku (半角), is represented from positio U+FF61 to U+FF9F.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F			
FF 60		𠀀	𠀁	𠀂	𠀃	𠀄	𠀅	𠀆	𠀇	𠀈	𠀉	𠀊	𠀋	𠀌	𠀍	𠀎			
FF 70	𠀏	𠀐	𠀑	𠀒	𠀓	𠀔	𠀕	𠀖	𠀗	𠀘	𠀙	𠀚	𠀛	𠀜	𠀝	𠀞			
FF 80	𠀟	𠀠	𠀡	𠀢	𠀣	𠀤	𠀥	𠀦	𠀧	𠀨	𠀩	𠀪	𠀫	𠀬	𠀭	𠀮			
FF 90	𠀯	𠀰	𠀱	𠀲	𠀳	𠀴	𠀵	𠀶	𠀷	𠀸	𠀹	𠀺	𠀻	𠀼	𠀽	𠀾			

Read this [article to learn more](#).

Existing library

- [encoding.js](#)

If you cannot use external library for any reason

- Implement yourself - use mapping, you can take reference to this [script](#) [2]
- [JIS X 0213 Table](#)

References

- [1] "Hex to SJIS," freaka.freehostia.com. http://freaka.freehostia.com/charset_js.html (accessed Sep. 24, 2023).
- [2] toracatman, "toracatman/UTF-JIS," GitHub, Jan. 26, 2023. <https://github.com/toracatman/UTF-JIS> (accessed Sep. 24, 2023).
- [3] "Character Width (Half-width, Full-width) Converter Online," DenCode. <https://dencode.com/en/string/character-width> (accessed Sep. 24, 2023).

Proxmox VE

Windows11 installation failed reasons

- Check [requirements bypass](#)
 - SHIFT + F10 > Regedit > **HKEY_LOCAL_MACHINE\SYSTEM\Setup\LabConfig**
 - **BypassRAMCheck**
- Assign more than one core to the virtual machine