Development

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Japan Specific | JIS

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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 (□□), is represented from position `U+FF61` to `U+FF9F`.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
FF60		□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
FF70	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
FF80	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
FF90	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□

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