BJData Synopsis   https://neurojson.org/bjdata/draft3

BJData/UBJSON document

Non-container value types

Container value types
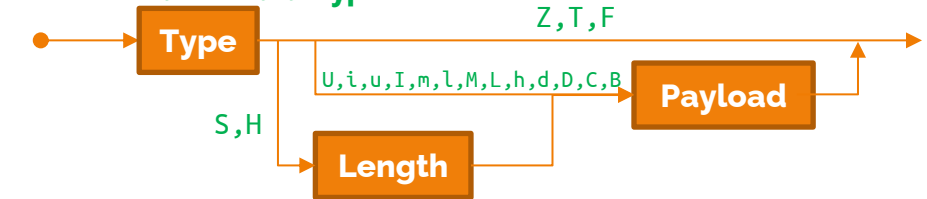
Strongly typed containers

Type-Marker **<Length>** **<Payload>**
1-byte-char   an integer   binary data

```
{
  "a": [1,2,3],
  "b": true,
  "c": "string"
}
```

```
{
U1a [$U#U3\0x1\0x2\0x3
U1b T
U1c SU6string
}
```
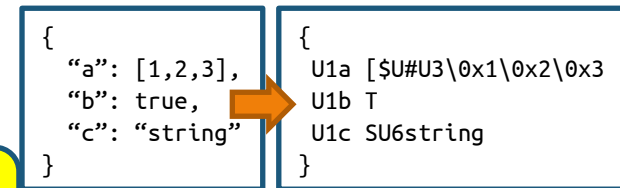
Type Marker	Length	Data Payload	Meaning
Z	no	no	null
T	no	no	true
F	no	no	false
N	no	no	no-op (keep-alive)
U	no	yes	uint8
i	no	yes	int8
u	no	yes	uint16
I	no	yes	int16
m	no	yes	uint32
l	no	yes	int32
M	no	yes	uint64
L	no	yes	int64
h	no	yes	float16 (half)

- in red – extended type/syntax by BJData from UBJSON (https://ubjson.org);
- all numeric values are in **Little-Endian** as opposed to Big-Endian in UBJSON.

Type Marker	Length	Data Payload	Meaning
d	no	yes	float32 (single)
D	no	yes	float64 (double)
C	no	yes	char
B	no	yes	byte
S	yes	yes	string
H	yes	yes	huge-number (in string)
[	optional	optional	arrays
{	optional	optional	objects
[...]	no	optional	regular array: list of values
{...}	no	optional	regular object: name/value pairs
[$○#○...	#length	#*sizeof($type)	strongly-typed array
{$○#○...	#length		strongly-typed object
[$○#[n1,n2,...]... [$○#[$○#○... [$○#[[n1,n2,...]]...	#[...] 1d vector or #[[...]]	n1*n2*..*sizeof($) bytes of binary data, #[[...]] column-major	strongly-typed ND-array (when length # followed by a 1D vector)