

# Module sui::address

The length of an address, in bytes

Error from [from\\_bytes](#) when it is supplied too many or too few bytes.

Convert a into a u256 by interpreting a as the bytes of a big-endian integer (e.g., [to\\_u256](#) (0x1) == 1)

Convert n into an address by encoding it as a big-endian integer (e.g., [from\\_u256](#) (1) = @0x1) Aborts if n > MAX\_ADDRESS

Convert bytes into an address. Aborts with [EAddressParseError](#) if the length of bytes is not 32

Convert a into BCS-encoded bytes.

Convert a to a hex-encoded ASCII string

Convert a to a hex-encoded string

Converts an ASCII string to an address, taking the numerical value for each character. The string must be Base16 encoded, and thus exactly 64 characters long. For example, the string "00DEADB33F" will be converted to the address @0xDEADB33F. Aborts with [EAddressParseError](#) if the length of s is not 64, or if an invalid character is encountered.

Length of a Sui address in bytes

Largest possible address

## Constants

The length of an address, in bytes

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