G Edit on GitHub





# Base64

```
Base64.Base64 - Module
```

Base64

Functionality for base-64 encoded strings and IO.

```
Base64.Base64EncodePipe — Type
```

```
Base64EncodePipe(ostream)
```

Return a new write-only I/O stream, which converts any bytes written to it into base64-encoded ASCII bytes written to ostream. Calling close on the Base64EncodePipe stream is necessary to complete the encoding (but does not close ostream).

#### Examples

```
julia> io = IOBuffer();
julia> iob64_encode = Base64EncodePipe(io);
julia> write(iob64_encode, "Hello!")
6
julia> close(iob64_encode);
julia> str = String(take!(io))
"SGVsbG8h"
julia> String(base64decode(str))
"Hello!"
```

1 of 3 3/20/21, 10:53

#### Base64.base64encode — Function

```
base64encode(writefunc, args...; context=nothing)
base64encode(args...; context=nothing)
```

Given a write-like function writefunc, which takes an I/O stream as its first argument, base64encode(writefunc, args...) calls writefunc to write args... to a base64-encoded string, and returns the string. base64encode(args...) is equivalent to base64encode(write, args...): it converts its arguments into bytes using the standard write functions and returns the base64-encoded string.

The optional keyword argument context can be set to :key=>value pair or an IO or IOContext object whose attributes are used for the I/O stream passed to writefunc or write.

See also base64decode.

#### Base64.Base64DecodePipe — Type

```
Base64DecodePipe(istream)
```

Return a new read-only I/O stream, which decodes base64-encoded data read from istream.

#### **Examples**

```
julia> io = IOBuffer();

julia> iob64_decode = Base64DecodePipe(io);

julia> write(io, "SGVsbG8h")

8

julia> seekstart(io);

julia> String(read(iob64_decode))
"Hello!"
```

```
Base64.base64decode — Function
```

2 of 3 3/20/21, 10:53

```
base64decode(string)
```

Decode the base64-encoded string and returns a Vector{UInt8} of the decoded bytes.

See also base64encode.

### **Examples**

## Base64.stringmime — Function

```
stringmime(mime, x; context=nothing)
```

Returns an AbstractString containing the representation of x in the requested mime type. This is similar to repr(mime, x) except that binary data is base64-encoded as an ASCII string.

The optional keyword argument context can be set to :key=>value pair or an IO or IOContext object whose attributes are used for the I/O stream passed to show.

« SIMD Support CRC32c »

Powered by Documenter.jl and the Julia Programming Language.

3 of 3 3/20/21, 10:53