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sha256


package

standard library

Version: [go1.20.1](#) **Latest** | Published: Feb 14, 2023 | License: [BSD-3-Clause](#) | Imports: 7 |

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Overview

Package sha256 implements the SHA224 and SHA256 hash algorithms as defined in FIPS 180-4.

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Constants

[func New\(\) hash.Hash](#)[func New224\(\) hash.Hash](#)[func Sum224\(data \[\]byte\) \[Size224\]byte](#)[func Sum256\(data \[\]byte\) \[Size\]byte](#)

Examples

[New](#)[New \(File\)](#)[Sum256](#)

Constants

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```
const BlockSize = 64
```

The blocksize of SHA256 and SHA224 in bytes.

[View Source](#)

```
const Size = 32
```

The size of a SHA256 checksum in bytes.

[View Source](#)

```
const Size224 = 28
```

The size of a SHA224 checksum in bytes.

Variables

This section is empty.

Functions

func New

```
func New() hash.Hash
```

New returns a new hash.Hash computing the SHA256 checksum. The Hash also implements encoding.BinaryMarshaler and encoding.BinaryUnmarshaler to marshal and unmarshal the internal state of the hash.

► [Example](#)

► [Example \(File\)](#)

func New224

```
func New224() hash.Hash
```

New224 returns a new hash.Hash computing the SHA224 checksum.

func Sum224

added in go1.2

```
func Sum224(data []byte) [Size224]byte
```

Sum224 returns the SHA224 checksum of the data.

func Sum256

added in go1.2

```
func Sum256(data []byte) [Size]byte
```

Sum256 returns the SHA256 checksum of the data.

► [Example](#)

Types

This section is empty.

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