NAME

Digest::BubbleBabble − Create bubble−babble fingerprints

SYNOPSIS

```
# Create a fingerprint of a simple string.
use Digest::BubbleBabble qw( bubblebabble );
my $fingerprint = bubblebabble( Digest => "Pineapple" );

# Create a fingerprint of a SHA-1 hash.
use Digest::SHA qw( sha1 );
$fingerprint = bubblebabble( Digest => sha1("hello") );
```

DESCRIPTION

Digest::BubbleBabble takes a message digest (often generated by either of the MD5 or SHA−1 message digest algorithms) and creates a fingerprint of that digest in ''bubble babble'' format. Bubble babble is a method of representing a message digest as a string of ''real'' words, to make the fingerprint easier to remember. The ''words'' are not necessarily real words, but they look more like words than a string of hex characters.

Bubble babble fingerprinting is used by the SSH2 suite (and, consequently, by *Net::SSH::Perl*, the Perl SSH implementation) to display easy-to-remember key fingerprints. The key (a DSA or RSA key) is converted into a textual form, digested using *Digest::SHA*, and run through *bubblebabble* to create the key fingerprint.

USAGE

Digest::BubbleBabble conditionally exports one function called *bubblebabble*; to import the function you must choose to import it, like this:

```
use Digest::BubbleBabble qw( bubblebabble );
```

bubblebabble(Digest => $digest)

Currently takes only one pair of arguments, the key of which must be *Digest*, the value of which is the actual message digest *$digest*. You should generate this message digest yourself using either *Digest::MD5* of *Digest::SHA*.

Returns the bubble babble form of the digest.

SEE ALSO

The BubbleBabble specification is available at: http://web.mit.edu/kenta/www/one/bubblebabble/spec/jrtrjwzi/draft−huima−01.txt

LICENSE

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AUTHOR & COPYRIGHTS

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