

sha1 egg

Computes SHA1 (FIPS-180-1) checksums
Extension for Chicken Scheme
Version 1.2

Christophe Devine, wrapped in Scheme by **felix**

Table of Contents

1	About this egg	1
1.1	Version history	1
1.2	Requirements	1
1.3	Usage	1
2	Documentation	2
2.1	Digest Procedures	2
3	License	3
	Index	4

1 About this egg

1.1 Version history

- 1.2 Made C procedures static
- 1.1 Added dependency on message-digest egg
- 1.0 Initial release

1.2 Requirements

This egg requires the following extensions:

`message-digest`

1.3 Usage

Load this egg like so:

```
(require-extension sha1)
```

2 Documentation

2.1 Digest Procedures

The acceptable input objects for the digest procedures are strings, input-ports, byte-vectors, or anything that can be converted to a byte-vector. See [message-digest](#) for more information.

sha1:digest [procedure]

(sha1:digest OBJECT)

Returns the SHA1 checksum of OBJECT as a hex string.

sha1:binary-digest [procedure]

(sha1:binary-digest OBJECT)

Returns the SHA1 checksum of OBJECT as a string.

sha1:primitive [procedure]

(sha1:primitive)

Returns the SHA1 checksum primitive object.

3 License

Copyright (C) 2001-2003 Christophe Devine

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Index

sha1:binary-digest	2	sha1:primitive	2
sha1:digest	2		