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Contents

1.1 mbed-tls 2.27.0

1.1.1 Available under license

1.1 mbed-tls 2.27.0

1.1.1 Available under license :

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/*

* Helper functions for the RSA module

*

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*

*/

Found in path(s):

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/rsa_internal.c

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 *
 * This file is part of Mbed TLS (https://tls.mbed.org)
 */
```

Found in path(s):

```
* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/sha1.h
* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/sha256.h
* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/rsa.h
* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/platform.h
```

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 *
 * This file is part of mbed TLS (https://tls.mbed.org)
 *
 *
 * This file declares some RSA-related helper functions useful when
```

```

* implementing the RSA interface. They are public and provided in a
* separate compilation unit in order to make it easy for designers of
* alternative RSA implementations to use them in their code, as it is
* conceived that the functionality they provide will be necessary
* for most complete implementations.
*
* End-users of Mbed TLS not intending to re-implement the RSA functionality
* are not expected to get into the need of making use of these functions directly,
* but instead should be able to use the functions declared in rsa.h.
*
* There are two classes of helper functions:
* (1) Parameter-generating helpers. These are:
*   - mbedtls_rsa_deduce_primes
*   - mbedtls_rsa_deduce_private_exponent
*   - mbedtls_rsa_deduce_crt
* Each of these functions takes a set of core RSA parameters
* and generates some other, or CRT related parameters.
* (2) Parameter-checking helpers. These are:
*   - mbedtls_rsa_validate_params
*   - mbedtls_rsa_validate_crt
* They take a set of core or CRT related RSA parameters
* and check their validity.
*
*/

```

Found in path(s):

```

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/rsa_internal.h

```

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```

/*
* FIPS-180-2 compliant SHA-256 implementation
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```

Found in path(s):

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/sha256.c

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*/

/**

* \brief Combines a high-level and low-level error code together.

*

* Wrapper macro for mbedtls_error_add(). See that function for

* more details.

*/

Found in path(s):

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/error.h

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/**

* \file md.c

*

* \brief Generic message digest wrapper for mbed TLS

*

* \author Adriaan de Jong <dejong@fox-it.com>

*

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* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/md.c

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*/

Found in path(s):

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/md2.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/md4.h

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/*

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- */

Found in path(s):

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/rsa.c

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- */

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* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/asn1.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/md5.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/RSA_SHA256/common.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/bignum.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/ecdsa.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/cipher.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/ripemd160.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/x509.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/ecp.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/md.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/bn_mul.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/platform_util.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/check_config.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/sha512.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/oid.h

* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/platform_time.h

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/*

- * Multi-precision integer library

```
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```

Found in path(s):

```
* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/bignum.c
```

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*/
```

Found in path(s):

```
* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/pk.h
```

```
* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/config.h
```

```
* /opt/cola/permits/1634414369_1681871351.4219096/0/mbedtls-2-27-tar-gz/mbedtls-2.27/mbedtls/md_internal.h
```

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```
/**
* \file oid.c
```


*
* \brief Object Identifier (OID) database
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