

**NAME**

gnutls\_random\_art - API function

**SYNOPSIS**

```
#include <gnutls/gnutls.h>
```

```
int gnutls_random_art(gnutls_random_art_t type, const char * key_type, unsigned int key_size, void *  
fpr, size_t fpr_size, gnutls_datum_t * art);
```

**ARGUMENTS**

gnutls\_random\_art\_t type

The type of the random art (for now only **GNUTLS\_RANDOM\_ART\_OPENSSSH** is supported)

const char \* key\_type

The type of the key (RSA, DSA etc.)

unsigned int key\_size

The size of the key in bits

void \* fpr      The fingerprint of the key

size\_t fpr\_size

The size of the fingerprint

gnutls\_datum\_t \* art

The returned random art

**DESCRIPTION**

This function will convert a given fingerprint to an "artistic" image. The returned image is allocated using **gnutls\_malloc()**, is null-terminated but art->size will not account the terminating null.

**RETURNS**

On success, **GNUTLS\_E\_SUCCESS** (0) is returned, otherwise an error code is returned.

**REPORTING BUGS**

Report bugs to <bugs@gnutls.org>.

Home page: <https://www.gnutls.org>

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**SEE ALSO**

The full documentation for **gnutls** is maintained as a Texinfo manual. If the `/usr/local/share/doc/gnutls/` directory does not contain the HTML form visit

<https://www.gnutls.org/manual/>