

NAME

hx509 printing functions -

Functions

void **hx509_print_stdout** (void *ctx, const char *fmt, va_list va)
 int **hx509_oid_sprint** (const heim_oid *oid, char **str)
 void **hx509_oid_print** (const heim_oid *oid, hx509_vprint_func func, void *ctx)
 void **hx509_bitstring_print** (const heim_bit_string *b, hx509_vprint_func func, void *ctx)
 int **hx509_cert_keyusage_print** (hx509_context context, hx509_cert c, char **s)
 int **hx509_validate_ctx_init** (hx509_context context, hx509_validate_ctx *ctx)
 void **hx509_validate_ctx_set_print** (hx509_validate_ctx ctx, hx509_vprint_func func, void *c)
 void **hx509_validate_ctx_add_flags** (hx509_validate_ctx ctx, int flags)
 void **hx509_validate_ctx_free** (hx509_validate_ctx ctx)
 int **hx509_validate_cert** (hx509_context context, hx509_validate_ctx ctx, hx509_cert cert)

Detailed Description**Function Documentation**

void hx509_bitstring_print (const heim_bit_string * b, hx509_vprint_func func, void * ctx)
 Print a bitstring using a hx509_vprint_func function. To print to stdout use **hx509_print_stdout()**.

Parameters:

b bit string to print.
func hx509_vprint_func to print with.
ctx context variable to hx509_vprint_func function.

int hx509_cert_keyusage_print (hx509_context context, hx509_cert c, char ** s)
 Print certificate usage for a certificate to a string.

Parameters:

context A hx509 context.
c a certificate print the keyusage for.
s the return string with the keysage printed in to, free with **hx509_xfree()**.

Returns:

An hx509 error code, see **hx509_get_error_string()**.

void hx509_oid_print (const heim_oid * oid, hx509_vprint_func func, void * ctx)
 Print a oid using a hx509_vprint_func function. To print to stdout use **hx509_print_stdout()**.

Parameters:

oid oid to print
func hx509_vprint_func to print with.
ctx context variable to hx509_vprint_func function.

int hx509_oid_sprint (const heim_oid * oid, char ** str)

Print a oid to a string.

Parameters:

oid oid to print
str allocated string, free with **hx509_xfree()**.

Returns:

An hx509 error code, see **hx509_get_error_string()**.

void hx509_print_stdout (void * ctx, const char * fmt, va_list va)

Helper function to print on stdout for:

- ⊕ **hx509_oid_print()**,
- ⊕ **hx509_bitstring_print()**,
- ⊕ **hx509_validate_ctx_set_print()**.

Parameters:

ctx the context to the print function. If the ctx is NULL, stdout is used.
fmt the printing format.
va the argumet list.

int hx509_validate_cert (hx509_context context, hx509_validate_ctx ctx, hx509_cert cert)

Validate/Print the status of the certificate.

Parameters:

context A hx509 context.
ctx A hx509 validation context.
cert the cerificate to validate/print.

Returns:

An hx509 error code, see **hx509_get_error_string()**.

void hx509_validate_ctx_add_flags (hx509_validate_ctx ctx, int flags)

Add flags to control the behavior of the **hx509_validate_cert()** function.

Parameters:

ctx A hx509 validation context.

flags flags to add to the validation context.

Returns:

An hx509 error code, see **hx509_get_error_string()**.

void hx509_validate_ctx_free (hx509_validate_ctx ctx)

Free an hx509 validate context.

Parameters:

ctx the hx509 validate context to free.

int hx509_validate_ctx_init (hx509_context context, hx509_validate_ctx * ctx)

Allocate a hx509 validation/printing context.

Parameters:

context A hx509 context.

ctx a new allocated hx509 validation context, free with **hx509_validate_ctx_free()**.

Returns:

An hx509 error code, see **hx509_get_error_string()**.

void hx509_validate_ctx_set_print (hx509_validate_ctx ctx, hx509_vprint_func func, void * c)

Set the printing functions for the validation context.

Parameters:

ctx a hx509 validation context.

func the printing function to use.

c the context variable to the printing function.

Returns:

An hx509 error code, see **hx509_get_error_string()**.