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 behaivor 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 valication context.
>   *func* the printing function to usea.
>   *c* the context variable to the printing function.

Returns:
>   An hx509 error code, see **hx509_get_error_string**().