NAME

    hx509 name functions -

 Functions

    int **hx509_name_to_string** (const hx509_name name, char **str)

int **hx509_name_cmp** (hx509_name n1, hx509_name n2)

int **hx509_parse_name** (hx509_context context, const char *str, hx509_name *name)

int **hx509_name_copy** (hx509_context context, const hx509_name from, hx509_name *to)

int **hx509_name_to_Name** (const hx509_name from, Name *to)

int **hx509_name_expand** (hx509_context context, hx509_name name, hx509_env env)

void **hx509_name_free** (hx509_name *name)

int **hx509_unparse_der_name** (const void *data, size_t length, char **str)

int **hx509_name_binary** (const hx509_name name, heim_octet_string *os)

int **hx509_name_is_null_p** (const hx509_name name)

int **hx509_general_name_unparse** (GeneralName *name, char **str)

Detailed Description

    See the **PKIX/X.509 Names** for description and examples.

Function Documentation

  int hx509_general_name_unparse (GeneralName * name, char ** str)

    Unparse the hx509 name in name into a string.

    Parameters:

        name the name to print
        str an allocated string returns the name in string form

    Returns:

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

  int hx509_name_binary (const hx509_name name, heim_octet_string * os)

    Convert a hx509_name object to DER encoded name.

    Parameters:

        name name to concert
        os data to a DER encoded name, free the resulting octet string with hx509_xfree(os->data).

    Returns:

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

int hx509_name_cmp (hx509_name n1, hx509_name n2)
Compare to hx509 name object, useful for sorting.

Parameters:
n1 a hx509 name object.
n2 a hx509 name object.

Returns:
0 the objects are the same, returns > 0 is n2 is 'larger' then n2, < 0 if n1 is 'smaller' then n2.

int hx509_name_copy (hx509_context context, const hx509_name from, hx509_name * to)
Copy a hx509 name object.

Parameters:
context A hx509 cotext.
from the name to copy from
to the name to copy to

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

int hx509_name_expand (hx509_context context, hx509_name name, hx509_env env)
Expands variables in the name using env. Variables are on the form ${name}. Useful when dealing with certificate templates.

Parameters:
context A hx509 cotext.
name the name to expand.
env environment variable to expand.

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

Only UTF8String rdnSequence names are allowed

void hx509_name_free (hx509_name * name)
Free a hx509 name object, upond return *name will be NULL.

Parameters:
name a hx509 name object to be freed.

int hx509_name_is_null_p (const hx509_name name)

Unparse the hx509 name in name into a string.

Parameters:

name the name to check if its empty/null.

Returns:

non zero if the name is empty/null.

int hx509_name_to_Name (const hx509_name from, Name * to)

Convert a hx509_name into a Name.

Parameters:

from the name to copy from
to the name to copy to

Returns:

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

int hx509_name_to_string (const hx509_name name, char ** str)

Convert the hx509 name object into a printable string. The resulting string should be freed with free().

Parameters:

name name to print
str the string to return

Returns:

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

int hx509_parse_name (hx509_context context, const char * str, hx509_name * name)

Parse a string into a hx509 name object.

Parameters:

context A hx509 context.
str a string to parse.
name the resulting object, NULL in case of error.

Returns:

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

int hx509_unparse_der_name (const void * data, size_t length, char ** str)
Convert a DER encoded name info a string.

Parameters:

data data to a DER/BER encoded name

length length of data

str the resulting string, is NULL on failure.

Returns:

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