

NAME

Heimdal Kerberos 5 authentication functions -

Functions

KRB5_LIB_FUNCTION *krb5_error_code* **KRB5_LIB_CALL** **krb5_rd_req_in_ctx_alloc** (*krb5_context* context, *krb5_rd_req_in_ctx* *ctx)

KRB5_LIB_FUNCTION *krb5_error_code* **KRB5_LIB_CALL** **krb5_rd_req_in_set_keytab** (*krb5_context* context, *krb5_rd_req_in_ctx* in, *krb5_keytab* keytab)

KRB5_LIB_FUNCTION *krb5_error_code* **KRB5_LIB_CALL** **krb5_rd_req_in_set_pac_check** (*krb5_context* context, *krb5_rd_req_in_ctx* in, *krb5_boolean* flag)

KRB5_LIB_FUNCTION *krb5_error_code* **KRB5_LIB_CALL** **krb5_rd_req_out_get_server** (*krb5_context* context, *krb5_rd_req_out_ctx* out, *krb5_principal* *principal)

KRB5_LIB_FUNCTION *void* **KRB5_LIB_CALL** **krb5_rd_req_out_ctx_free** (*krb5_context* context, *krb5_rd_req_out_ctx* ctx)

KRB5_LIB_FUNCTION *krb5_error_code* **KRB5_LIB_CALL** **krb5_rd_req_ctx** (*krb5_context* context, *krb5_auth_context* *auth_context, *const* *krb5_data* *inbuf, *krb5_const_principal* server, *krb5_rd_req_in_ctx* inctx, *krb5_rd_req_out_ctx* *outctx)

Detailed Description**Function Documentation**

KRB5_LIB_FUNCTION *krb5_error_code* **KRB5_LIB_CALL** **krb5_rd_req_ctx** (*krb5_context* context, *krb5_auth_context* * auth_context, *const* *krb5_data* * inbuf, *krb5_const_principal* server, *krb5_rd_req_in_ctx* inctx, *krb5_rd_req_out_ctx* * outctx)

The core server function that verify application authentication requests from clients.

Parameters:

context Keberos 5 context.

auth_context the authentication context, can be NULL, then default values for the authentication context will used.

inbuf the (AP-REQ) authentication buffer

server the server with authenticate as, if NULL the function will try to find any available credential in the keytab that will verify the reply. The function will prefer the server the server client specified in the AP-REQ, but if there is no mach, it will try all keytab entries for a match.

This have serious performance issues for larger keytabs.

inctx control the behavior of the function, if NULL, the default behavior is used.

outctx the return outctx, free with **krb5_rd_req_out_ctx_free()**.

Returns:

Kerberos 5 error code, see **krb5_get_error_message()**.

KRB5_LIB_FUNCTION krb5_error_code KRB5_LIB_CALL krb5_rd_req_in_ctx_alloc (krb5_context context, krb5_rd_req_in_ctx * ctx)

Allocate a `krb5_rd_req_in_ctx` as an input parameter to `krb5_rd_req_ctx()`. The caller should free the context with `krb5_rd_req_in_ctx_free()` when done with the context.

Parameters:

context Keberos 5 context.

ctx in ctx to `krb5_rd_req_ctx()`.

Returns:

Kerberos 5 error code, see `krb5_get_error_message()`.

KRB5_LIB_FUNCTION krb5_error_code KRB5_LIB_CALL krb5_rd_req_in_set_keytab (krb5_context context, krb5_rd_req_in_ctx in, krb5_keytab keytab)

Set the keytab that `krb5_rd_req_ctx()` will use.

Parameters:

context Keberos 5 context.

in in ctx to `krb5_rd_req_ctx()`.

keytab keytab that `krb5_rd_req_ctx()` will use, only copy the pointer, so the caller must free they keytab after `krb5_rd_req_in_ctx_free()` is called.

Returns:

Kerberos 5 error code, see `krb5_get_error_message()`.

KRB5_LIB_FUNCTION krb5_error_code KRB5_LIB_CALL krb5_rd_req_in_set_pac_check (krb5_context context, krb5_rd_req_in_ctx in, krb5_boolean flag)

Set if `krb5_rq_red()` is going to check the Windows PAC or not

Parameters:

context Keberos 5 context.

in `krb5_rd_req_in_ctx` to check the option on.

flag flag to select if to check the pac (TRUE) or not (FALSE).

Returns:

Kerberos 5 error code, see `krb5_get_error_message()`.

KRB5_LIB_FUNCTION void KRB5_LIB_CALL krb5_rd_req_out_ctx_free (krb5_context context, krb5_rd_req_out_ctx ctx)

Free the `krb5_rd_req_out_ctx`.

Parameters:

context Kerberos 5 context.

ctx `krb5_rd_req_out_ctx` context to free.

KRB5_LIB_FUNCTION `krb5_error_code` **KRB5_LIB_CALL** `krb5_rd_req_out_get_server`
(`krb5_context context`, `krb5_rd_req_out_ctx out`, `krb5_principal * principal`)

Get the principal that was used in the request from the client. Might not match what's in the ticket if `krb5_rd_req_ctx()` searched in the keytab for a matching key.

Parameters:

context a Kerberos 5 context.

out a `krb5_rd_req_out_ctx` from `krb5_rd_req_ctx()`.

principal return principal, free with `krb5_free_principal()`.