

NAME

gss_inquire_cred_by_mech - Obtain per-mechanism information about a credential

SYNOPSIS

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

OM_uint32

```
gss_inquire_cred_by_mech(OM_uint32 *minor_status, const gss_cred_id_t cred_handle,  
    const gss_OID mech_type, gss_name_t *name, OM_uint32 *initiator_lifetime,  
    OM_uint32 *acceptor_lifetime, gss_cred_usage_t *cred_usage);
```

DESCRIPTION

Obtains per-mechanism information about a credential.

PARAMETERS

- | | |
|--------------------|---|
| minor_status | Mechanism specific status code. |
| cred_handle | A handle that refers to the target credential. Specify <code>GSS_C_NO_CREDENTIAL</code> to inquire about the default initiator principal. |
| mech_type | The mechanism for which information should be returned. |
| name | The name whose identity the credential asserts. Storage associated with this name must be freed by the application after use with a call to gss_release_name() . Specify <code>NULL</code> if not required. |
| initiator_lifetime | The number of seconds for which the credential will remain capable of initiating security contexts under the specified mechanism. If the credential can no longer be used to initiate contexts, or if the credential usage for this mechanism is <code>GSS_C_ACCEPT</code> , this parameter will be set to zero. If the implementation does not support expiration of initiator credentials, the value <code>GSS_C_INDEFINITE</code> will be returned. Specify <code>NULL</code> if not required. |
| acceptor_lifetime | The number of seconds for which the credential will remain capable of accepting security contexts under the specified mechanism. If the credential can no longer be used to accept contexts, or if the credential usage for this mechanism is <code>GSS_C_INITIATE</code> , this parameter will be set to zero. If the implementation does not support expiration of acceptor credentials, the value <code>GSS_C_INDEFINITE</code> will be returned. Specify <code>NULL</code> if not required. |

cred_usage How the credential may be used with the specified mechanism. One of the following:
 GSS_C_INITIATE
 GSS_C_ACCEPT
 GSS_C_BOTH
 Specify NULL if not required.

RETURN VALUES

GSS_S_COMPLETE Successful completion

GSS_S_NO_CRED The referenced credentials could not be accessed

GSS_S_DEFECTIVE_CREDENTIAL The referenced credentials were invalid

GSS_S_CREDENTIALS_EXPIRED The referenced credentials have expired. If the lifetime parameter was not passed as NULL, it will be set to 0.

SEE ALSO

gss_release_name(3)

STANDARDS

RFC 2743 Generic Security Service Application Program Interface Version 2, Update 1

RFC 2744 Generic Security Service API Version 2 : C-bindings

HISTORY

The `gss_inquire_cred_by_mech` function first appeared in FreeBSD 7.0.

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