

NAME

gss_canonicalize_name - Convert an internal name to an MN

SYNOPSIS

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

```
OM_uint32
```

```
gss_canonicalize_name(OM_uint32 *minor_status, const gss_name_t input_name,
    const gss_OID mech_type, gss_name_t *output_name);
```

DESCRIPTION

Generate a canonical mechanism name (MN) from an arbitrary internal name. The mechanism name is the name that would be returned to a context acceptor on successful authentication of a context where the initiator used the *input_name* in a successful call to **gss_acquire_cred()**, specifying an OID set containing *mech_type* as its only member, followed by a call to **gss_init_sec_context()**, specifying *mech_type* as the authentication mechanism.

PARAMETERS

minor_status Mechanism specific status code.

input_name The name for which a canonical form is desired.

mech_type The authentication mechanism for which the canonical form of the name is desired. The desired mechanism must be specified explicitly; no default is provided.

output_name
The resultant canonical name. Storage associated with this name must be freed by the application after use with a call to **gss_release_name()**.

RETURN VALUES

GSS_S_COMPLETE Successful completion.

GSS_S_BAD_MECH The identified mechanism is not supported.

GSS_S_BAD_NAMETYPE The provided internal name contains no elements that could be processed by the specified mechanism.

GSS_S_BAD_NAME The provided internal name was ill-formed.

SEE ALSO

gss_acquire_cred(3), gss_init_sec_context(3), 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_canonicalize_name** function first appeared in FreeBSD 7.0.

AUTHORS

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