

**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\_NAME\_TYPE 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**

John Wray, Iris Associates

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