

**NAME**

**mech, qop** - GSS-API Mechanism and QOP files

**SYNOPSIS**

*/etc/gss/mech /etc/gss/qop*

**DESCRIPTION**

The */etc/gss/mech* file contains a list of installed GSS-API security mechanisms. Each line of the file either contains a comment if the first character is '#' or it contains five fields with the following meanings:

|                   |   |
|-------------------|---|
| Name              | The name of this GSS-API mechanism.   |
| Object identifier | The OID for this mechanism.   |
| Library           | A shared library containing the implementation of this mechanism.   |
| Kernel module     | Optional kernel module containing the implementation of this mechanism (not yet supported in FreeBSD).  |
| Library options   | Optional parameters interpreted by the mechanism. Library options must be enclosed in brackets ([ ]) to differentiate them from the optional kernel module entry. |

The first mechanism listed in */etc/gss/mech* is the default mechanism. This mechanism will be used by `gss_init_sec_context(3)` if the user doesn't specify a specific mechanism.

The */etc/gss/qop* file contains a list of Quality of Protection values for use with GSS-API. Each line of the file either contains a comment if the first character is '#' or it contains three fields with the following meanings:

|            |  |
|------------|--|
| QOP string | The name of this Quality of Protection algorithm.  |
| QOP value  | The numeric value used to select this algorithm for use with GSS-API functions such as <code>gss_get_mic(3)</code> . |

Mechanism name The GSS-API mechanism name that corresponds to this algorithm.

**EXAMPLES**

This is a typical entry from */etc/gss/mech*:

```
kerberosv5      1.2.840.113554.1.2.2      /usr/lib/libgssapi_krb5.so.8  -
```

This is a typical entry from */etc/gss/qop*:

```
GSS_KRB5_CONF_C_QOP_DES      0x0100  kerberosv5
```

## HISTORY

The **mech** manual page first appeared in FreeBSD 7.0.

## AUTHORS

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