

new/usr/src/man/man3ns1/rpc\_gss\_get\_principal\_name.3ns1

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4163 Thu Jun 19 16:59:56 2014
new/usr/src/man/man3ns1/rpc_gss_get_principal_name.3ns1
4916 - rpc_gss_get_principal_name(3ns1): Typo in the synopsis
Reviewed by: Marcel Telka <marcel@telka.sk>
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1  \" te
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6  .TH RPC_GSS_GET_PRINCIPAL_NAME 3NSL \"Jun 17, 2014\"
6  .TH RPC_GSS_GET_PRINCIPAL_NAME 3NSL \"Feb 5, 2002\"
7  .SH NAME
8  rpc_gss_get_principal_name - Get principal names at server
9  .SH SYNOPSIS
10 .LP
11 .nf
12 #include <rpc/rpcsec_gss.h>

14 \fBbool_t\fR \fBBrpc_gss_get_principal_name\fR(\fBBrpc_gss_principal_t\fR \fFI*prin
14 \fBbool_t\fR \fBBrpc_gss_get_principal_name\fR(\fBBrpc_gss_principal_t\fR \fFI*princ
15 \fBchar\fR \fFI*mech\fR, \fBchar\fR \fFI*name\fR, \fBchar\fR \fFI*node\fR, \fB
16 .fi

18 .SH DESCRIPTION
19 .sp
20 .LP
21 Servers need to be able to operate on a client's principal name. Such a name is
22 stored by the server as a \fBBrpc_gss_principal_t\fR structure, an opaque byte
23 string which can be used either directly in access control lists or as database
24 indices which can be used to look up a UNIX credential. A server may, for
25 example, need to compare a principal name it has received with the principal
26 name of a known entity, and to do that, it must be able to generate
27 \fBBrpc_gss_principal_t\fR structures from known entities.
28 .sp
29 .LP
30 \fBBrpc_gss_get_principal_name()\fR takes as input a security mechanism, a
31 pointer to a \fBBrpc_gss_principal_t\fR structure, and several parameters which
32 uniquely identify an entity on a network: a user or service name, a node name,
33 and a domain name. From these parameters it constructs a unique,
34 mechanism-dependent principal name of the \fBBrpc_gss_principal_t\fR structure
35 type.
36 .SH PARAMETERS
37 .sp
38 .LP
39 How many of the identifying parameters (\fIname \fR, \fInode\fR, and \fI
40 \fRdomain\fI)\fR are necessary to specify depends on the mechanism being used.
41 For example, Kerberos V5 requires only a user name but can accept a node and
42 domain name. An application can choose to set unneeded parameters to
43 \fINULL.\fR
44 .sp
45 .LP
46 Information on RPCSEC_GSS data types for parameters may be found on the
47 \fBBrpcsec_gss\fR(3NSL) man page.
48 .sp
49 .ne 2
50 .na
51 \fB\fIprincipal\fR \fR
52 .ad
53 .RS 14n
54 An opaque, mechanism-dependent structure representing the client's principal
55 name.
56 .RE

58 .sp
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59 .ne 2
60 .na
61 \fB\fImech\fR \fR
62 .ad
63 .RS 14n
64 An ASCII string representing the security mechanism in use. Valid strings may
65 be found in the \fB/etc/gss/mech\fR file, or by using
66 \fBBrpc_gss_get_mechanisms()\fR.
67 .RE

69 .sp
70 .ne 2
71 .na
72 \fB\fIname\fR \fR
73 .ad
74 .RS 14n
75 A UNIX login name (for example, 'gwashton') or service name, such as 'nfs'.
76 .RE

78 .sp
79 .ne 2
80 .na
81 \fB\fInode\fR \fR
82 .ad
83 .RS 14n
84 A node in a domain; typically, this would be a machine name (for
85 example, 'valleyforge').
86 .RE

88 .sp
89 .ne 2
90 .na
91 \fB\fIdomain\fR \fR
92 .ad
93 .RS 14n
94 A security domain; for example, a DNS, NIS, or NIS+ domain name
95 ('eng.company.com').
96 .RE

98 .SH RETURN VALUES
99 .sp
100 .LP
101 \fBBrpc_gss_get_principal_name()\fR returns TRUE if it is successful;
102 otherwise, use \fBBrpc_gss_get_error()\fR to get the error associated with the
103 failure.
104 .SH FILES
105 .sp
106 .ne 2
107 .na
108 \fB\fB/etc/gss/mech\fR \fR
109 .ad
110 .RS 18n
111 File containing valid security mechanisms
112 .RE

114 .SH ATTRIBUTES
115 .sp
116 .LP
117 See \fBAttributes\fR(5) for descriptions of the following attributes:
118 .sp

120 .sp
121 .TS
122 box;
123 c | c
124 l | l .
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125 ATTRIBUTE TYPE  ATTRIBUTE VALUE
126 _
127 MT-Level        MT-Safe
128 .TE

130 .SH SEE ALSO
131 .sp
132 .LP
133 \fBfree\fR(3C), \fBrpc\fR(3NSL), \fBrpc_gss_get_mechanisms\fR(3NSL), \fBrpc_gss_
134 .sp
135 .LP
136 \fBIONC+ Developer's Guide\fR
137 .sp
138 .LP
139 Linn, J. \fBIRFC 2078, Generic Security Service Application Program Interface, Ve
140 .SH NOTES
141 .sp
```