NAME

nis_server, nis_mkdir, nis_rmdir, nis_servstate, nis_stats, nis_getservlist, nis_freeservlist, nis_freetags – miscellaneous NIS+ functions

SYNOPSIS

cc [*flag* ...] *file*... –**lnsl** [*library*...]

#include <rpcsvc/nis.h>

nis_error nis_mkdir(const nis_name *dirname,* **const nis_server** **machine);*

nis_error nis_rmdir(const nis_name *dirname,* **const nis_server** **machine);*

nis_error nis_servstate(const nis_server **machine,* **const nis_tag** **tags,*
const int *numtags*, **nis_tag** ***result*);

nis_error nis_stats(const nis_server **machine*, **const nis_tag** **tags,* **const int** *numtags,*
nis_tag ***result*);

void nis_freetags(nis_tag **tags*, **const int** *numtags*);

nis_server ****nis_getservlist(const nis_name** *dirname*);

void nis_freeservlist(nis_server ***machines*);

MT-LEVEL

MT-Safe

DESCRIPTION

These functions provide a variety of services for NIS+ applications.

nis_mkdir( ) is used to create the necessary databases to support NIS+ service for a directory, *dirname*, on a server, *machine*. If this operation is successful, it means that the directory object describing *dirname* has been updated to reflect that server *machine* is serving the named directory. For a description of the **nis_server** structure, refer to **nis_objects**(3N).

nis_rmdir( ) is used to delete the directory, *dirname*, from the specified machine. The *machine* parameter cannot be **NULL**. For a description of the **nis_server** structure, refer to **nis_objects**(3N).

nis_servstate( ) is used to set and read the various state variables of the NIS+ servers. In particular the internal debugging state of the servers may be set and queried.

The **nis_stats( )** function is used to retrieve statistics about how the server is operating. Tracking these statistics can help administrators determine when they need to add additional replicas or to break up a domain into two or more subdomains. For more information on reading statistics, see **nisstat**(1M).

nis_servstate( ) and **nis_stats( )** use the tag list. This tag list is a variable length array of *nis_tag* structures whose length is passed to the function in the *numtags* parameter. The set of legal tags are defined in the file **<rpcsvc/nis_tags.h>** which is included in **<rpcsvc/nis.h>**. Because these tags can and do vary between implementations of the NIS+ service, it is best to consult this file for the supported list. Passing unrecognized tags to a server will result in their *tag_value* member being set to the string ''unknown.'' Both of these functions return their results in malloced tag structure, **result*. If there is an error, **result* is set to **NULL**. The *tag_value* pointers points to allocated string memory which contains the results. Use **nis_freetags( )** to free the tag structure.

nis_getservlist( ) returns a null terminated list of *nis_server* structures that represent the list of servers that serve the domain named *dirname*. Servers from this list can be used when calling functions that require the name of a NIS+ server. For a description of the **nis_server** structure, refer to **nis_objects**(3N). **nis_freeservlist( )** frees the list of servers returned by **nis_getservlist( )**. Note that this is the only legal way to free that list.

SEE ALSO

nisstat(1M), **nis_names**(3N), **nis_objects**(3N), **nis_subr**(3N)