NAME

nismkdir – create NIS+ directories

SYNOPSIS

nismkdir [**–D** *defaults*] [**–m** *hostname*] [**–s** *hostname*] *dirname*

AVAILABILITY

SUNWnisu

DESCRIPTION

The **nismkdir** command creates new NIS+ subdirectories within an existing domain. It can also be used to create replicated directories. Without options, this command will create a subdirectory with the same master and the replicas as its parent directory.

It is advisable to use **nisserver**(1M) to create an NIS+ domain which consists of the specified directory along with the **org_dir** and **group_dir** subdirectories.

The two primary aspects that are controlled when making a directory are its access rights, and its degree of replication.

dirname is the fully qualified NIS+ name of the directory that has to be created.

OPTIONS

–D *defaults*
Specify a different set of defaults to be used when creating new directories. The *defaults* string is a series of tokens separated by colons. These tokens represent the default values to be used for the generic object properties. All of the legal tokens are described below.

ttl=*time*
This token sets the default time to live for objects that are created by this command. The value *time* is specified in the format as defined by the **nischttl**(1) command. The default value is **12h** (12 hours).

owner=*ownername*
This token specifies that the NIS+ principal *ownername* should own the created object. The default for this value is the principal who is executing the command.

group=*groupname*
This token specifies that the group *groupname* should be the group owner for the object that is created. The default value is **NULL**.

access=*rights*
This token specifies the set of access rights that are to be granted for the given object. The value *rights* is specified in the format as defined by the **nischmod**(1) command. The default value is −−−−**rmcdr**−−−**r**−−−.

–m *hostname*
If the directory named by *dirname* does not exist, then a new directory that is *not* replicated is created with host *hostname* as its master server.

If the directory name by *dirname* does exist, then the host named by *hostname* is made its master server.

–s *hostname* Specify that the host *hostname* will be a replica for an existing directory named *dirname.*

RETURN VALUES

This command returns **0** if successful and **1** otherwise.

EXAMPLES

To create a new directory **bar** under the **foo.com.** domain that shares the same master and replicas as the **foo.com.** directory one would use the command:

example% nismkdir bar.foo.com.

To create a new directory *bar.foo.com.* that is not replicated under the **foo.com.** domain one would use the command:

example% nismkdir –m myhost.foo.com. bar.foo.com.

To add a replica server of the *bar.foo.com.* directory, one would use the command:

example% nismkdir –s replica.foo.com. bar.foo.com.

ENVIRONMENT

NIS_DEFAULTS This variable contains a defaults string that will override the NIS+ standard defaults. If the **–D** switch is used those values will then override both the **NIS_DEFAULTS** variable and the standard defaults.

NIS_PATH If this variable is set, and the NIS+ directory name is not fully qualified, each directory specified will be searched until the directory is found (see **nisdefaults**(1)).

SEE ALSO

nis+(1), **nischmod**(1), **nisdefaults**(1), **nisls**(1), **nisrmdir**(1), **nisserver**(1M)

NOTES

A host that serves a NIS+ directory *must be* a NIS+ client in a directory above the one it is serving. The exceptions to this rule are the root NIS+ servers which are both clients and servers of the same NIS+ directory.

When the host's default domain is different from the default domain on the client where the command is executed, the hostname supplied as an argument to the **–s** or **–m** options must be fully qualified.