

Leading dashes ("-") are optional for all commands.

dscl operates on a datasource specified on the command line. This can be a node name or a macOS Server (10.2 or later) host specified by DNS hostname or IP address. Node names can be absolute paths beginning with a slash ("/"), or relative domain paths beginning with a dot (".") character, which specifies the local domain, or "..", specifying the local domain's parent. If the hostname or IP address form is used then the user must specify the -u option and either the -P or -p options to specify an administrative user and password on the remote host to authenticate with to the remote host. The exception to this is if "localhost" is specified.

Passing passwords on the command line is inherently insecure and can cause password exposure. For better security do not provide the password as part of the command and you will be securely prompted.

Path Specification

There are two modes of operation when specifying paths to operate on. The two modes correspond to whether the datasource is a node or a host. In the case of specifying a node, the top level of paths will be record types. Example top level paths would be:

/Users/alice /Groups/admin

In the case of specifying a host as a data source, the top level of paths correspond to Open Directory plug-ins and Search Paths. One can specify the plug-in to traverse to a node name, after which the paths are equivalent to the former usage. The following might be the equivalent paths as the above paths:

/NetInfo/root/Users/alice /LDAPv3/10.0.1.42/Groups/admin

If path components contain k backslash character. Since the example, to read a mount red

dscl . -read /Mounts/l

All pathnames are case

Commands

The action of each command

read [path [key ...]]

Prints a directory. Each of the the values for that property. N

If The -raw flag for raw output

If the -url flag has been speci program is trying to process

readall [path [key ...]]

readall prints all the records between records.

readpl path key plist_pa

Prints the contents of plist pa

(SS64)

SS64.com asks for your consent to use your personal data to:

Personalised advertising and content, advertising and content measurement, audience research and services development

Store and/or access information on a device

Your personal data will be processed and information from your device (cookies, unique identifiers, and other device data) may be stored by, accessed by and shared with 134 TCF vendor(s) and 63 ad partner(s), or used specifically by this site or app.

Some vendors may process your personal data on the basis of legitimate interest, which you can object to by managing your options below. Look for a link at the bottom of this page to manage or withdraw consent in privacy and cookie settings.

e escaped with a leading to correctly specify an escape. For eath would be used:

nd "." are aliases for "read".

n, then a space-separated list of a pair of values.

record and attribute types.

Ls. This is useful if a script or Alias: cat

vith a "-" on a line as a delimeter

alue for the path.

If the plist_path is the key for a dictionary or array, the contents of it are displayed in plist form after the plist_path. If plist_path is the key for a string, number, bool, date, or data object, only the value is printed out after the plist_path.

readpli path key value_index plist_path

Prints the contents of plist_path for the plist at value_index of the key. The plist_path is followed by a colon, then a whitespace, and then the value for the path.

If the plist_path is the key for a dictionary or array, the contents of it are displayed in plist form after the plist_path. If plist_path is the key for a string, number, bool, date, or data object, only the value is printed out after the plist_path.

list path

Lists the subdirectories of the given directory. Subdirectories are listed one per line. In the case of listing a search path, the names are preceded by an index number that can act as a shortcut and used in place of the name when specifying a path. Alias: Is

When used in interactive mode, the path is optional. With no path given, the current directory will be used.

search path key val

Searches for records that match a pattern. The search is rooted at the given path. The path can be a node path or a record type path. Valid keys are Directory Service record attribute types.

create record_path [key [val ...]]

Creates a record, property, or value. If only a record path is given, the create command will create the record if it does not exist. If a key is given, then a property with that key will be created. Alias: mk

WARNING - If a property with values to an existing property

If values are included in the c

NOTE - Not all directory node such a directory node.

createpl record_path key

Creates a string, or array of

If you are creating a value at

If only val1 is specified, a stri plist_path.

WARNING - If a value with the

createpli record_path key

Creates a string, or array of

If you are creating a value at

If only val1 is specified, a stri plist path.

WARNING - If a value with the

(SS64)

SS64.com asks for your consent to use your personal data to:



Personalised advertising and content, advertising and content measurement, audience research and services development



Store and/or access information on a device

Your personal data will be processed and information from your device (cookies, unique identifiers, and other device data) may be stored by, accessed by and shared with 134 TCF vendor(s) and 63 ad partner(s), or used specifically by this site or app.

Some vendors may process your personal data on the basis of legitimate interest, which you can object to by managing your options below. Look for a link at the bottom of this page to manage or withdraw consent in privacy and cookie settings.

created in its place. To add

create a property with no value in

created in its place.

gs will be created at

gs will be created at

created in its place.

append record_path key vat ...

Appends one or more values to a property in a given record. The property is created if it does not exist.

merge record_path key val ...

Appends one or more values to a property in a given directory if the property does not already have those values. The property is created if it does not exist.

change record_path key old_val new_val

Replaces the given old value in the list of values of the given key with the new value in the specified record.

changei path key index val

Replaces the value at the given index in the list of values of the given key with the new value in the specified record. index is an integer value. An index of 1 specifies the first value. An index greater than the number of values in the list will result in an error.

diff path1 path2 key ...

Compares the data from path1 and path2 looking at the specified keys (or all if no keys are specified).

delete path [key [val ...]]

Delete a directory, property, or value. If a directory path is given, the delete command will delete the directory. This can only be used on record type and record paths. If a key is given, then a property with that key will be deleted. If one or more values are given, those values will be removed from the property with the given key. Alias: rm

deletepl record_path key plist_path [val ...]

Deletes a value in a plist. If no within plist_path.

deletepli record_path key

Deletes a value for the plist a given, deletepli deletes the v

passwd user_path [new_pas

Changes a password for a u specifying the -u and -P flags authenticated then the user's prompted for them.

Interactive Commands

cd dir

Set the current directory. Pat

pushd path

Similar to the pushd comman previous directory on to the of the final directory stack. Alias

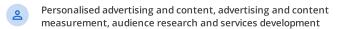
popd

Pops the directory stack and

auth [user [password]]

(SS64)

SS64.com asks for your consent to use your personal data to:



Store and/or access information on a device

Your personal data will be processed and information from your device (cookies, unique identifiers, and other device data) may be stored by, accessed by and shared with 134 TCF vendor(s) and 63 ad partner(s), or used specifically by this site or app.

Some vendors may process your personal data on the basis of legitimate interest, which you can object to by managing your options below. Look for a link at the bottom of this page to manage or withdraw consent in privacy and cookie settings.

given, deletepl deletes the values

th. If one or more values are

uthenticated to the node (either by ify a new password. If you are not eractive mode, you will be

nt directory while pushing the ne directory stack. It will also print

Authenticate as the named user, or as "root" if no user is specified. If a password is supplied, then that password is used for authentication, otherwise the command prompts for a password. Alias: su

If dscl is run in host mode, then when this command is run the current directory must be in the subdirectories of a node.

authonly [user [password]]

Used to verify the password of a named user, or of "root" if no user is specified. If a password is supplied, then that password is used for authentication, otherwise the command prompts for a password.

If dscl is run in host mode, then when this command is run the current directory must be in the subdirectories of a node.

quit

Ends processing of interactive commands and terminates the program. Alias: q

command history

The up and down arrow keys will scan through the command history.

tab completion

When pathnames are being typed, pressing the tab key will result in a search to auto-complete the typed partial subdirectory name. It will also attempt to correct capitilization in the process.

Diagnostics

dscl will return -1 (255) on error.

Examples

View a record in the local directory

\$ dscl . -read /Users/

Create or replace the UserShell at

\$ dscl . -create /User

Create or replace the test key of the record:

\$ dscl . -createpl /Us

List the uniqueID values for all user

\$ dscl /LDAPv3/ldap.co

Append a value that has spaces in

\$ dscl . -append /User

Check the SecureToken Status for

\$ dscl . -read /Users/

"Employees must be given respor ~ Robert Heller (SS64)

SS64.com asks for your consent to use your personal data to:



Personalised advertising and content, advertising and content measurement, audience research and services development



Store and/or access information on a device

Your personal data will be processed and information from your device (cookies, unique identifiers, and other device data) may be stored by, accessed by and shared with 134 TCF vendor(s) and 63 ad partner(s), or used specifically by this site or app.

Some vendors may process your personal data on the basis of legitimate interest, which you can object to by managing your options below. Look for a link at the bottom of this page to manage or withdraw consent in privacy and cookie settings.

s attribute of the user64 user

est value

people won't stay without them"

Related macOS commands

Local man page: dscl - Command line help page on your local machine.

createhomedir - Create and populate home directories on the local computer.

diskutil - Disk utilities.

profiles - Profiles Tool.

sysadminctl - Administer system user accounts.

Stack Exchange - Create a local macOS administrator account from the command line.

DirectoryService(8)

DirectoryServiceAttributes(7)

Equivalent (Linux) bash command: Idapmodify - LDAP modify entry and LDAP add entry tools.

SS64.com asks for your consent to use your personal data to:

(SS64)

- Personalised advertising and content, advertising and content measurement, audience research and services development
- Store and/or access information on a device

Your personal data will be processed and information from your device (cookies, unique identifiers, and other device data) may be stored by, accessed by and shared with 134 TCF vendor(s) and 63 ad partner(s), or used specifically by this site or app.

Some vendors may process your personal data on the basis of legitimate interest, which you can object to by managing your options below. Look for a link at the bottom of this page to manage or withdraw consent in privacy and cookie settings.

Page 6 of 6