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1 NAME

slxconfig - OpenSLX-script to view & change the configurational database

2 SYNOPSIS

slxconfig [options] <action> <key-value-pairs>

Options

<code>--help</code>	brief help message
<code>--inherited</code>	show inherited attributes, too
<code>--man</code>	show full documentation
<code>--verbose</code>	be more verbose
<code>--version</code>	show version

Actions

add-client <client-name> mac=<MAC> [<key>=<value> ...]
adds a new client to the config-DB

add-system <system-name> [export=<export-name>] \
<key>=<value> ...]
adds a new system to the config-DB

add-group <group-name> [priority=<Number>] [<key>=<value> ...]
adds a new group to the config-DB

change-vendor-os <vendor-os-name> [<key>=<value> ...]
changes the data of an existing vendor-OS in the config-DB.

change-export <export-name> [<key>=<value> ...]
changes the data of an existing export in the config-DB

change-client <client-name> [<key>=<value> ...]
changes the data of an existing client in the config-DB

Note: you can use the special value '-' to unset a key (mostly useful for attributes).

change-group <group-name> [<key>=<value> ...]
changes the data of an existing group in the config-DB

Note: you can use the special value '-' to unset a key (mostly useful for attributes).

change-system <system-name> [<key>=<value> ...]

changes the data of an existing system in the config-DB

Note: you can use the special value '-' to unset a key (mostly useful for attributes).

cleanup-db

utility command that looks for any inconsistencies in the DB (stale references and/or references to plugins that do not exist) and removes them.

You should only invoke this if you are a developer and have removed one or more plugins from the repository and would like to get rid of the left-overs in your local DB.

list-attributes [<attr-scope-or-attr-name>]

lists all attributes, the ones in the given scope or the one with the given name

list-client [<client-name>]

lists client with given name

list-export [<export-name>]

lists export with given name

list-group [<group-name>]

lists group with given name

list-system [<system-name>]

lists system with given name

list-vendor-os [<vendorOS-name>]

lists vendor-OS with given name

remove-client <client-name>

removes a client from the config-DB

remove-group <group-name>

removes a group from the config-DB

remove-system <system-name>

removes a system from the config-DB

search-client [<key>=<value> ...]

shows all clients in config-DB (optionally matching given criteria)

search-export [<key>=<value> ...]

shows all exports in config-DB (optionally matching given criteria)

search-group [<key>=<value> ...]

shows all groups in config-DB (optionally matching given criteria)

search-system [<key>=<value> ...]

shows all systems in config-DB (optionally matching given criteria)

search-vendor-os [<key>=<value> ...]

shows all vendor-OSes in config-DB (optionally matching given criteria)

3 DESCRIPTION

slxconfig can be used to view the contents of the configurational database. Additionally, you can add systems as well as clients and change their specific boot configuration.

4 OPTIONS

-help

Prints a brief help message and exits.

-man

Prints the manual page and exits.

-verbose

Prints more information during execution of any action.

-version

Prints the version and exits.

5 EXAMPLES

Listing existing Clients / Exports / Groups / Systems / Vendor-OSes

slxconfig list-client

slxconfig list-export

slxconfig list-group

slxconfig list-system

slxconfig list-vendor-os

lists all existing instances of the respective DB-objects

boot_type=pxe

adds a new client named 'vmware-1', being identified by the MAC '01:02:03:04:05:06' to the config-DB. The systems 'suse-11.1' & 'Debian-4.0' will be associated with this client (so it will offer these systems for booting).

This client will use PXE for booting (which is the default, anyway).

Changing a System

slxconfig change-system suse-11.1 boot_type=preboot-cd

will change the system named 'suse-11.1' such that it will use a preboot-CD environment for booting.

slxconfig change-system suse-11.1 add-clients=vmware-1

will associate the client 'vmware-1' with the system named 'suse-11.1'.

slxconfig change-system suse-11.1 remove-clients=vmware-1

will remove the client 'vmware-1' from the system named 'suse-11.1'.

Changing a Client

slxconfig change-client PC131 start_snmp=yes

will change the client named 'PC131' such that it will start the SNMP daemon on all systems that it boots.

slxconfig change-client PC131 add-systems=Debian-4.0

will associate the system 'Debian-4.0' with the client named 'PC131'.

slxconfig change-client PC131 remove-systems=Debian-4.0

will remove the system 'Debian-4.0' from the client named 'PC131'.

Removing a Client / Group / System

slxconfig remove-client <client-name>

slxconfig remove-group <group-name>

slxconfig remove-system <system-name>

removes the client/group/system with the given name.

Searching for Clients / Exports / Groups / Systems / Vendor-OSes

slxconfig search-client mac='01:02:03:04:05:06'

displays all clients with the MAC '01:02:03:04:05:06' (should be only one)

slxconfig search-export type=nfs

displays the exports of type 'nfs'

slxconfig list-group priority=50

displays the groups that have the default priority (50)

6 SEE ALSO

slxsettings, slxos-setup, slxos-export, slxconfig-demuxer

7 GENERAL OPENSXLX OPTIONS

Being a part of OpenSLX, this script supports several other options which can be used to overrule the OpenSLX settings:

<code>--db-name=<string></code>	name of database
<code>--db-spec=<string></code>	full DBI-specification of database
<code>--db-type=<string></code>	type of database to connect to
<code>--locale=<string></code>	locale to use for translations
<code>--log-level=<int></code>	level of logging verbosity (0-3)
<code>--logfile=<string></code>	file to write logging output to
<code>--private-path=<string></code>	path to private data
<code>--public-path=<string></code>	path to public (client-accessible) data
<code>--temp-path=<string></code>	path to temporary data

Please refer to the `slxsettings`-manpage for a more detailed description of these options.