NAME

snmp_community_mib − Instrumentation Functions for SNMP-COMMUNITY-MIB

DESCRIPTION

The module *snmp_community_mib* implements the instrumentation functions for the SNMP-COMMU-NITY-MIB, and functions for configuring the database.

The configuration files are described in the SNMP User's Manual.

EXPORTS

configure(ConfDir) -> void()

Types:

ConfDir = string()

This function is called from the supervisor at system start-up.

Inserts all data in the configuration files into the database and destroys all old rows with StorageType *volatile*. The rows created from the configuration file will have StorageType *non-Volatile*.

All *snmp* counters are set to zero.

If an error is found in the configuration file, it is reported using the function *config_err/2* of the error, report module and the function fails with reason *configuration_error*.

ConfDir is a string which points to the directory where the configuration files are found.

The configuration file read is: *community.conf*.

reconfigure(ConfDir) -> void()

Types:

ConfDir = string()

Inserts all data in the configuration files into the database and destroys all old data, including the rows with StorageType *nonVolatile*. The rows created from the configuration file will have StorageType *nonVolatile*.

Thus, the data in the SNMP-COMMUNITY-MIB, after this function has been called, is from the configuration files.

All *snmp* counters are set to zero.

If an error is found in the configuration file, it is reported using the function *config_err/2* of the error report module, and the function fails with reason *configuration_error*.

ConfDir is a string which points to the directory where the configuration files are found.

The configuration file read is: *community.conf*.

add_community(Idx, CommName, SecName, CtxName, TransportTag) -> Ret
add_community(Idx, CommName, SecName, EngineId, CtxName, TransportTag) -> Ret

Types:

Idx = string()
CommName = string()
SecName = string()
EngineId = string()
CtxName = string()
TransportTag = string()
Ret = {ok, Key} | {error, Reason}
Key = term()
Reason = term()

Adds a community to the agent config. Equivalent to one line in the *community.conf* file.

With the *EngineId* argument it is possible to override the configured engine-id (SNMP-FRAMEWORK-MIB).

delete_community(Key) -> Ret

Types:

Key = term()
Ret = ok | {error, Reason}
Reason = term()

Delete a community from the agent config.