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Miscellaneous Functions

CCODE
NWSMListSMDRs
(STRING scanPattern,
  NWSM_NAME_LIST **nameList);

Parameters

scanPattern	(INPUT)
	Legal patterns are as follows:
	"*" Return all SMDR names. "*xxxx" Return all SMDR names that end with "xxxx." "xxxx*" Return all SMDR names that begin with "xxxx." "xxxx" Find all SMDRs named "xxxx."
	Note: "xxxx" represents one or more characters.
nameList	(OUTPUT) Passes the address of a pointer and returns a block of memory containing the list of specified SMDRs. This parameter cannot be NULL (for more information about this structure, see *Target Service API*).

Completion Codes

0x0	Successful
0xFFFBFFFB	NWSMUT_OUT_OF_MEMORY
0xFFFEFFF4	NWSMDR_NO_MORE_DATA
0xFFFEFFFC	NWSMDR_TRANSPORT_FAILURE

Remarks

This function may speed up the listing of modules. For example, after calling this function, the application can pass the specified target to **NWSMListTSAs**.

Example

```
example not yet available
```

See Also

NWSMListTSAs (see *Target Service API*).

UINT32
NWSMGenerateCRC
(UINT32 size,
  UINT32 crc,
  BUFFERPTR ptr);

Parameters

size	(INPUT) Passes the number of bytes in the buffer.
crc	(INPUT) Passes the initial CRC value (-1) or a previously accumulated CRC.
ptr	(INPUT) Points the data.

Completion Codes

None	

Remarks

NWSMGenerateCRC returns a 32-bit CRC. An accumulated CRC is defined as follows. A CRC value needs to be calculated for the whole data set. However, there may be times when the whole data set cannot be put into memory; so the data set is broken into sections and CRC values are generated for each section. CRC values generated for the previous section are passed to **NWSMGenerateCRC** when calculating the current section's CRC. A value of (-1) is passed when calculating the first section's CRC.

Example

```
#include  <smslib.h>

UINT32    checkCRC;
UINT32    size;
UINT32    crc;
BUFFERPTR ptr;

checkCRC = NWSMGenerateCRC(size,crc,ptr);
```

UINT32
NWSMFreeVersionInfo
(NWSM_VERSION_INFO **versionInfo);

Parameters

versionInfo	(OUTPUT) Passes the address of a pointer to be freed.

Completion Codes

None	

Remarks

NWSMFreeVersionInfo frees the memory occupied by the NWSM_VERSION_INFO.

VOID
NWSMGetTargetName
(STRING source,
  STRING name,
  STRING type,
  STRING version);

Parameters

source	(INPUT) Passes a string containing the target service's name, type, and version.
name	(OUTPUT) Returns the target's name.
type	(OUTPUT) Returns the target's service type.
version	(OUTPUT) Returns the target's version.

Completion Codes

None	

Remarks

NWSMGetTargetName parses *source* into the *name*, *type*, and *version* string buffers. *source* has the following format:

```
Target service name <space> (Type <space> Version)
```

where type is DOS, MAC, NETWARE, etc.

Example

```
#include   <smslib.h>

STRING source;
STRING name;
STRING type;
STRING version;

NWSMGetTargetName(source,name,type,version);
```

See Also

CCODE
NWSMConvertError
    (UINT32 connection,
     CCODE error,
     char *message);

Parameters

connection	(INPUT) Passes a TSA, SDI, or SMDR connection handle.
error	(INPUT) Passes a completion code.
message	(OUTPUT) Passes a buffer that is NWSM_MAX_ERROR_STRING_LEN + 1 bytes long and returns a string that describes the error.

Completion Codes

0x0	Successful
0xFFFEFFFC	NWSMDR_TRANSPORT_FAILURE
0xFFFEFFFE	NWSMDR_INVALID_PARAMETER
0xFFFEFFFF	NWSMDR_INVALID_CONNECTION
0xFFFEFFFB	NWSMDR_UNSUPPORTED_FUNCTION

Remarks

None

CCODE
NWSMGetSMSModuleVersionInfo
(UINT32 connection,
 NWSM_MODULE_VERSION_INFO *info);

Parameters

connection	(INPUT) Passes a TSA, SDI, and SMDR connection handle.
info	(OUTPUT) Returns information about the module.

Completion Codes

0x0	Successful
0xFFFEFFFF	NWSMDR_INVALID_CONNECTION
0xFFFEFFFC	NWSMDR_TRANSPORT_FAILURE

Remarks

info uses the following data structure:

```
typedef struct
{
    char     moduleFileName[256],
             moduleMajorVersion,
             moduleMinorVersion;
    UINT16   moduleRevisionLevel;

    char     baseOS[64],
             baseOSMajorVersion,
             baseOSMinorVersion;
    UINT16   baseOSRevisionLevel;
} NWSM_MODULE_VERSION_INFO;
```

Example

See Also

CCODE
NWSMGetRequestorVersionInfo
(UINT32 connection,
 NWSM_VERSION_INFORMATION **versionInfo);

Parameters

connection	(INPUT) Passes the connection information that **NWSMConnectToTSA** returned.
versionInfo	(OUTPUT) Passes the address of a pointer and returns a NWSM_VERSION_INFORMATION structure. Call **NWSMFreeVersionInfo** to free *versionInfo*. For more information, please see the NWSM_VERSION_INFORMATION sub section of the first chapter.

Completion Codes

0x0	Successful
0xFFFEFFFF	NWSMDR_INVALID_CONNECTION
0xFFFEFFFC	NWSMDR_TRANSPORT_FAILURE

Remarks

None

CCODE
NWSMGetResponderVersionInfo
(UINT32 connection,
 NWSM_VERSION_INFORMATION **versionInfo);

Parameters

connection	(INPUT) Passes the connection information that **NWSMConnectToTSA** or **NWSMChangeToClientRightsOnTSA** returned.
versionInfo	(OUTPUT) Passes the address of a pointer and returns a NWSM_VERSION_INFORMATION structure. Call **NWSMFreeVersionInfo** to free *versionInfo*. For more information, please see the NWSM_VERSION_INFORMATION sub section of the first chapter.

Completion Codes

0x0	Successful
0xFFFEFFFC	NWSMDR_TRANSPORT_FAILURE
0xFFFEFFFF	NWSMDR_INVALID_CONNECTION

Remarks

None

See Also