LMX_HostidSimple

The information on this page refers to LM-X v5.3.1 and newer, which added support for Raspberry Pi HostIDs. If you are using an older version of LM-X, refer to documentation for earlier versions.

The LMX_HostidSimple function retrieves the HostID from the computer system and returns it as a NULL-terminated string.

Prototype

```
LMX_STATUS LMX_HostidSimple
(
   LMX_HANDLE LmxHandle,
   LMX_HOSTID_TYPE eHostidType,
   char *szHostid
);
```

Parameters

LmxHandle
[in/out] LM-X handle.

eHostidType
[in] Value that specifies the HostID type to be retrieved.

Possible values are:

Hostid Type	Description
LMX_HOSTID_ETHERNET	Network card HostID
LMX_HOSTID_USERNAME	Username HostID
LMX_HOSTID_HOSTNAME	Hostname HostID
LMX_HOSTID_IPADDRESS	IP address HostID
LMX_HOSTID_CUSTOM	Custom HostID
LMX_HOSTID_DONGLE_HASPHL	HaspHL Dongle HostID
LMX_HOSTID_HARDDISK	Hostid of physical harddisk
LMX_HOSTID_LONG	System-specific HostID
LMX_BIOS_HOSTID	Bios HostID
LMX_HOSTID_WIN_PRODUCT_ID	Windows product ID
LMX_HOSTID_AWS_INSTANCE_ID	Amazon EC2 Instance ID
LMX_HOSTID_GCE_ID	Amazon Google Compute Engine ID
LMX_HOSTID_AZURE_ID	Amazon Azure ID
LMX_HOSTID_RPI_SN	Raspberry Pi serial number
LMX_HOSTID_ALL	All HostIDs

szHostid
[out] Pointer to a string that will hold the HostID(s). The length of the string can be up to LMX_MAX_LONG_STRING_LENGTH.

Return values

On success, this function returns the status code LMX_SUCCESS.

On failure, this function returns an error code in the format described in Return codes.

Remarks

If there are no HostIDs of the requested type, the string will be empty. If there is more than one of the requested type, the HostIDs are separated by commas.

When using LMX_HOSTID_ALL, all HostIDs are returned, with the HostID type prefixing the HostID; for example:

```
"ETHERNET=0123456789012345,ETHERNET=54321009876543210,USERNAME=MyUserName1,USERNAME=MyUserName2,
HOSTNAME=MyHostName,..."
```

For single HostIDs, the HostID is returned with multiple HostIDs of that type separated by commas; for example:

```
ETHERNET=0123456789012345,ETHERNET=54321009876543210,..."
```

To make use of custom HostIDs, you must set a callback function using LMX_SetOption with the flag LMX_OPT_CUSTOM_HOSTID_FUNCTION.

Example

You can use the following code to retrieve all the HostIDs with the LMX_HOSTID_IPADDRESS type that are currently in use and display them on success.

```
#include <lmx.h>
#include <stdio.h>

LMX_HANDLE h;

int main()
{
  char s[LMX_MAX_LONG_STRING_LENGTH];

  exit_on_error(LMX_Init(&h));
  exit_on_error(LMX_HostidSimple(h, LMX_HOSTID_IPADDRESS, s));
  printf("HostIDs found: %s\n", s);

  return 0;
}
```