

Using custom HostIDs

To make use of custom HostIDs, you must set a callback function using `LMX_SetOption` with the flag `LMX_OPT_CUSTOM_HOSTID_FUNCTION`. See [LMX_OPT_CUSTOM_HOSTID_FUNCTION](#) in [LMX_SetOption](#) for more information.

You should ensure that you complete the `LMX_HOSTID` structure correctly and return the appropriate error code, as shown in the following example.

```
LMX_STATUS LMX_CALLBACK MyHostidCallback(LMX_HOSTID *pHostid, int *npHostids)
{
    printf("My HostID called\n");
    /* Set the length of the data of this HostID. */
    /* Its length can be up to LMX_MAX_SHORT_STRING_LENGTH */
    strcpy(pHostid[0].szValue, "abcd");
    /* Set optional description. */
    /* Its length can be up to LMX_MAX_SHORT_STRING_LENGTH */
    strcpy(pHostid[0].szDescription, "my HostID");
    /* Now we do it once more for a 2nd HostID. */
    strcpy(pHostid[1].szValue, "12345");
    strcpy(pHostid[1].szDescription, "my HostID2");
    /* Set that we return 2 custom HostIDs. */
    *npHostids = 2;
    /* The function must return either LMX_SUCCESS or LMX_UNKNOWN_ERROR. */
    return LMX_SUCCESS;
    /* return LMX_UNKNOWN_ERROR; */
}
```

The same callback function is also required to use custom HostIDs on a license server. In `lmx_server_conf.c` you can set the custom HostID callback function to create licenses that are locked to a license server with a custom HostID.

You can easily use multiple HostID sources for such a custom callback function. Either fill the array with the independent values or use a cryptographic hash function such as SHA-1 to combine the HostIDs into a single value.