

C API example

The following code snippet gives an example of how to use the LAC end-user C API calls to create a license request and retrieve the generated license automatically.

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

#include "lac.h"

int main()
{
    LAC_STATUS LacStat;
    char szResponse[LAC_MAX_RESPONSE_LENGTH] = {0};

    const char *szActivationKey = "9EFJK-TVJM0-MCDET-EZKXJ";
    const char *szHostid = "HOSTNAME=my_hostname";
    const char *szUrl = "http://license.x-formation.com/soap/type/enduser/version/1";

    if ((LacStat = LAC_CreateLicenseRequest(szActivationKey, szHostid, szUrl, NULL, 0, NULL, NULL, szResponse)) != LAC_SUCCESS)
    {
        fprintf(stderr, "Error code: %d\n", LacStat);

        if (strlen(szResponse) > 0)
        {
            fprintf(stderr, "Error message: %s\n", szResponse);
        }

        return 1;
    }

    do
    {
        LacStat = LAC_GetLicense(szActivationKey, szHostid, szUrl, NULL, 0, NULL, NULL, szResponse);

        if (LacStat == LAC_SUCCESS)
        {
            break;
        }
        else if (LacStat != LAC_PLEASE_WAIT)
        {
            fprintf(stderr, "Error code: %d\n", LacStat);

            if (strlen(szResponse) > 0)
            {
                fprintf(stderr, "Error message: %s\n", szResponse);
            }

            return 1;
        }

        Sleep(2000);
    }
    while (LacStat != LAC_SUCCESS);

    printf("License:\n\n%s\n", szResponse);

    return 0;
}
```