

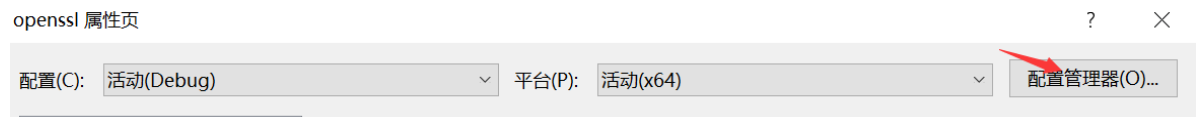
# openssl 配置方法 (visual studio 2019)

## 1、下载安装openssl(下载X64版本)

## 2、打开visual studio

### a、创建一个新项目

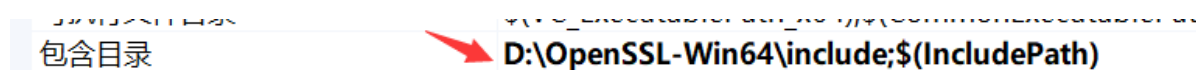
### b、项目->属性->配置管理器



将默认的win32平台修改为下X64

### c、项目->属性->VC++目录

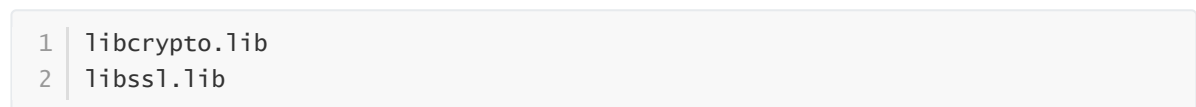
在包含目录中添加openssl的include文件



在库目录中添加openssl的lib文件

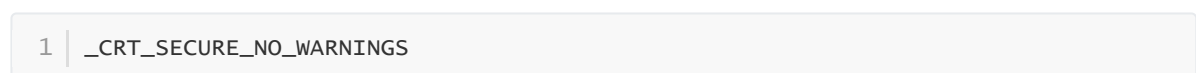
### d、项目->属性->链接器->输入->附加依赖项

键盘输入：



### e、项目->属性->c/c++->预处理器->预处理项定义->编辑

在最后输入



### f、最后输入实例代码测试



```

18     /* Create a context for the digest operation */
19     ctx = EVP_MD_CTX_new();
20     if (ctx == NULL)
21         goto err;
22
23     /*
24      * Fetch the SHA256 algorithm implementation for doing the digest. We're
25      * using the "default" library context here (first NULL parameter), and
26      * we're not supplying any particular search criteria for our SHA256
27      * implementation (second NULL parameter). Any SHA256 implementation
will
28      * do.
29      */
30     sha256 = EVP_MD_fetch(NULL, "SHA256", NULL);
31     if (sha256 == NULL)
32         goto err;
33
34     /* Initialise the digest operation */
35     if (!EVP_DigestInit_ex(ctx, sha256, NULL))
36         goto err;
37
38     /*
39      * Pass the message to be digested. This can be passed in over multiple
40      * EVP_DigestUpdate calls if necessary
41      */
42     if (!EVP_DigestUpdate(ctx, msg, sizeof(msg)))
43         goto err;
44
45     /* Allocate the output buffer */
46     outdigest = (unsigned char*)OPENSSL_malloc(EVP_MD_get_size(sha256));
47     if (outdigest == NULL)
48         goto err;
49
50     /* Now calculate the digest itself */
51     if (!EVP_DigestFinal_ex(ctx, outdigest, &len))
52         goto err;
53
54     /* Print out the digest result */
55     BIO_dump_fp(stdout, outdigest, len);
56
57 err:
58     /* Clean up all the resources we allocated */
59     OPENSSL_free(outdigest);
60     EVP_MD_free(sha256);
61     EVP_MD_CTX_free(ctx);
62 }
63

```