IIS使用eToken
实现网站CA认证登录

信息安全顾问

魏荣巍

旺财信息

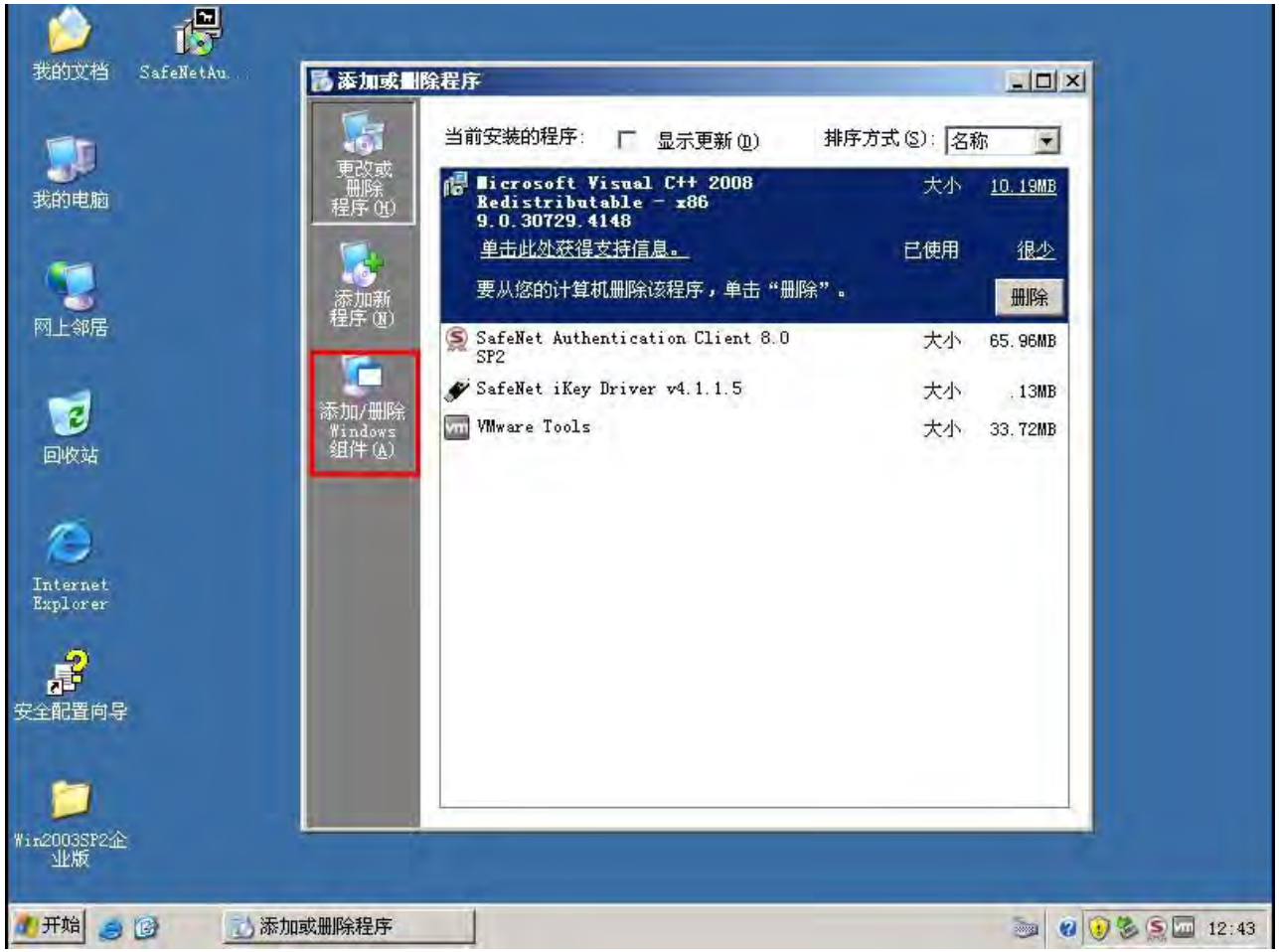
www.wang-cai.com

1、相关说明

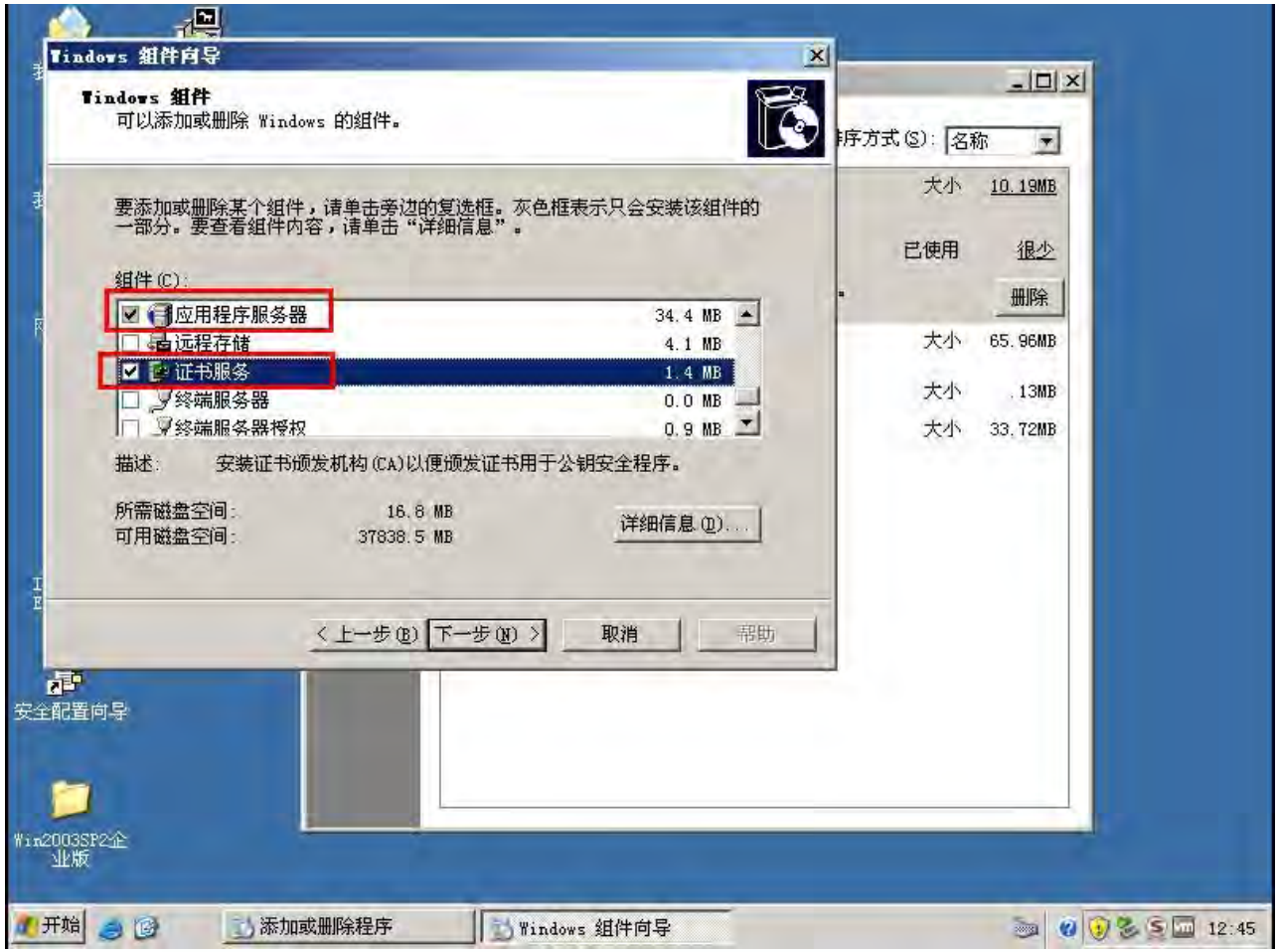
- 1、本操作是在Windows 2003系统上进行的。
- 2、在操作前，请在电脑上安装eToken驱动软件（SAC），驱动下载地址：
  http://down.wang-cai.com
- 3、操作过程如下：

  A、安装IIS和证书服务。（第2——9页）
  B、为Web站点申请服务器证书。（第10——43页）
  C、为网站访问用户申请用户证书。

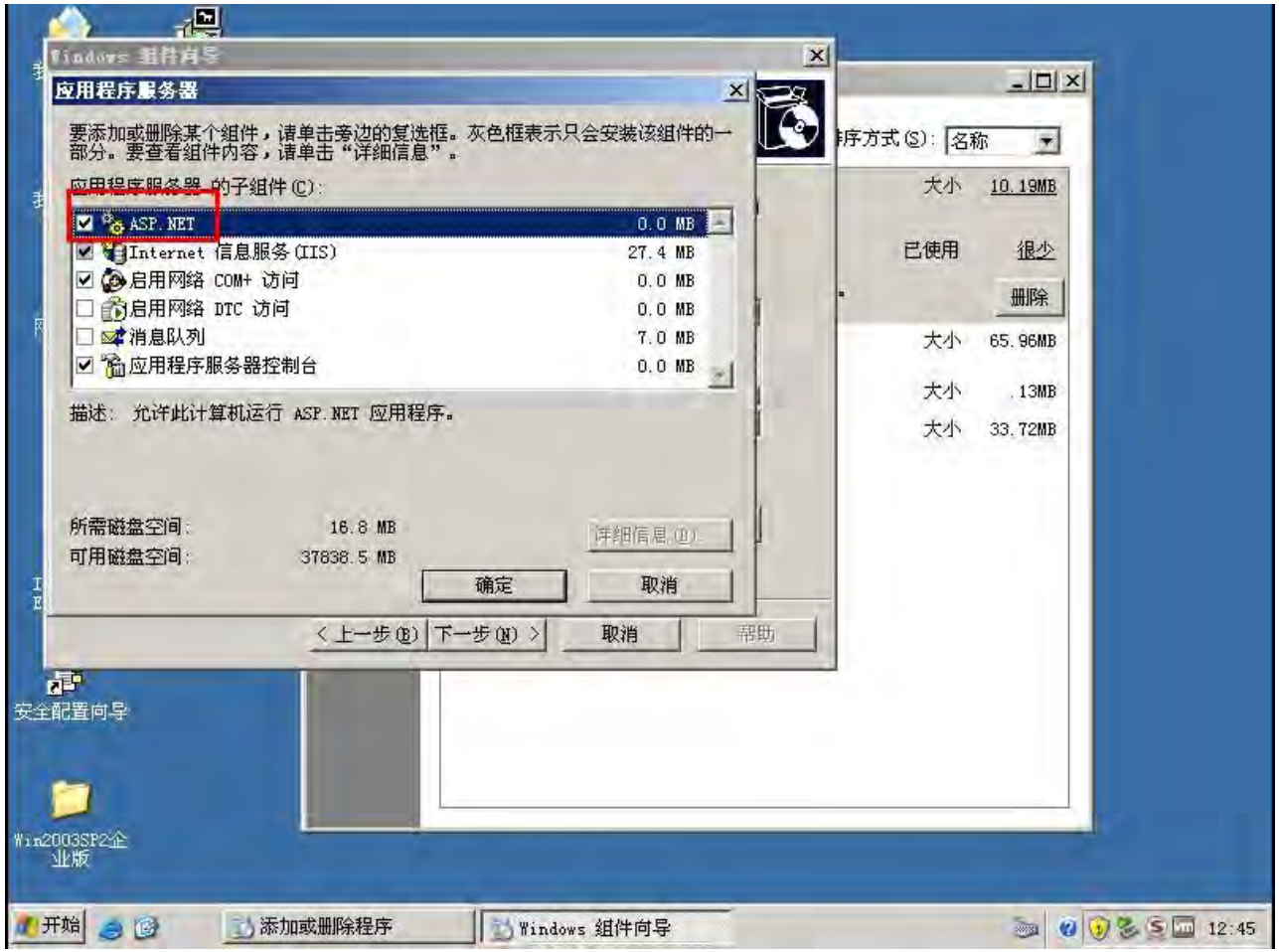
2、打开控制面板——添加删除程序——点击添加/删除Windows组件



3、在列表中选择应用程序服务器、证书服务。

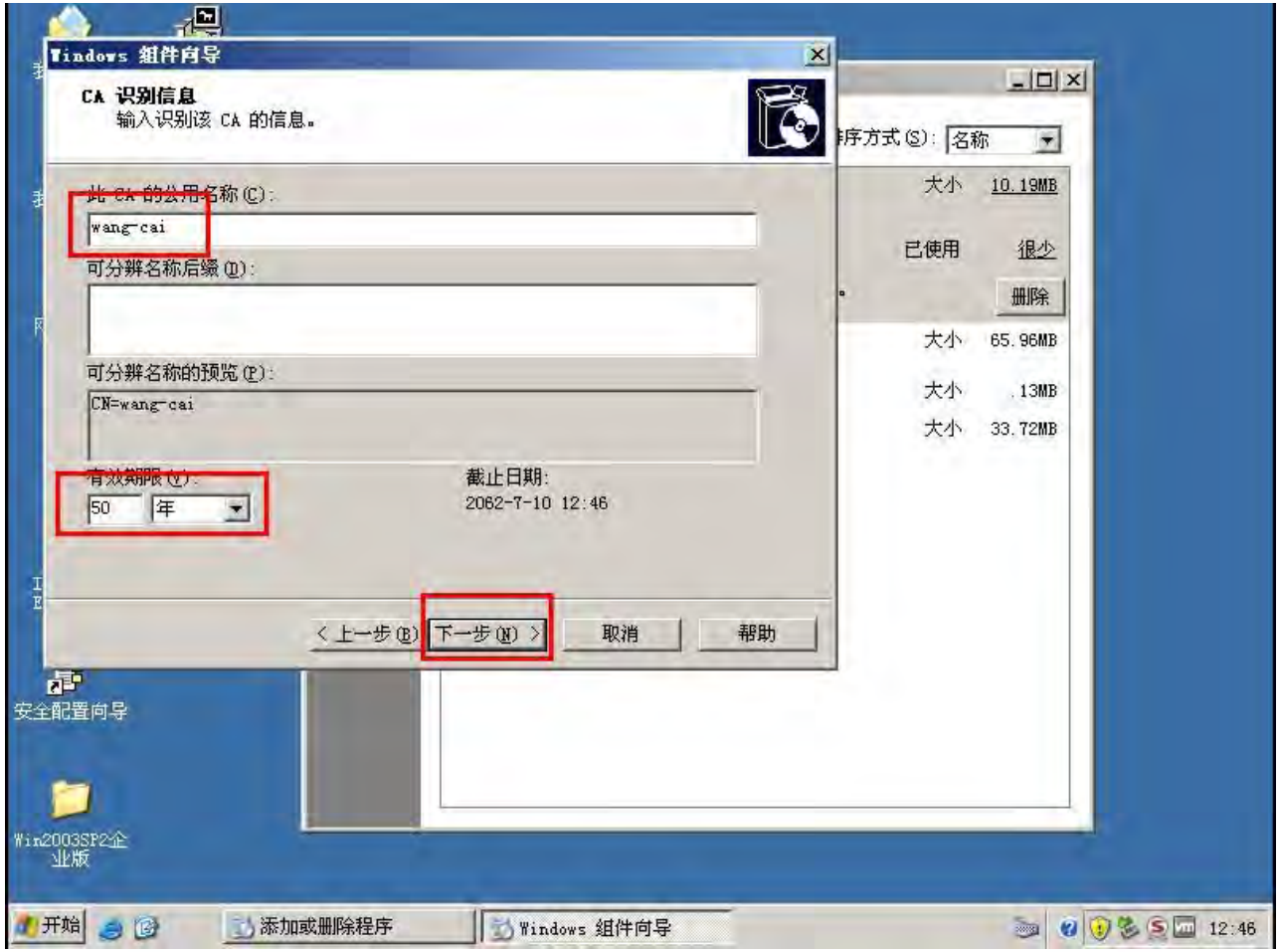


4、双击应用程序服务器，勾选ASP.NET，并确定

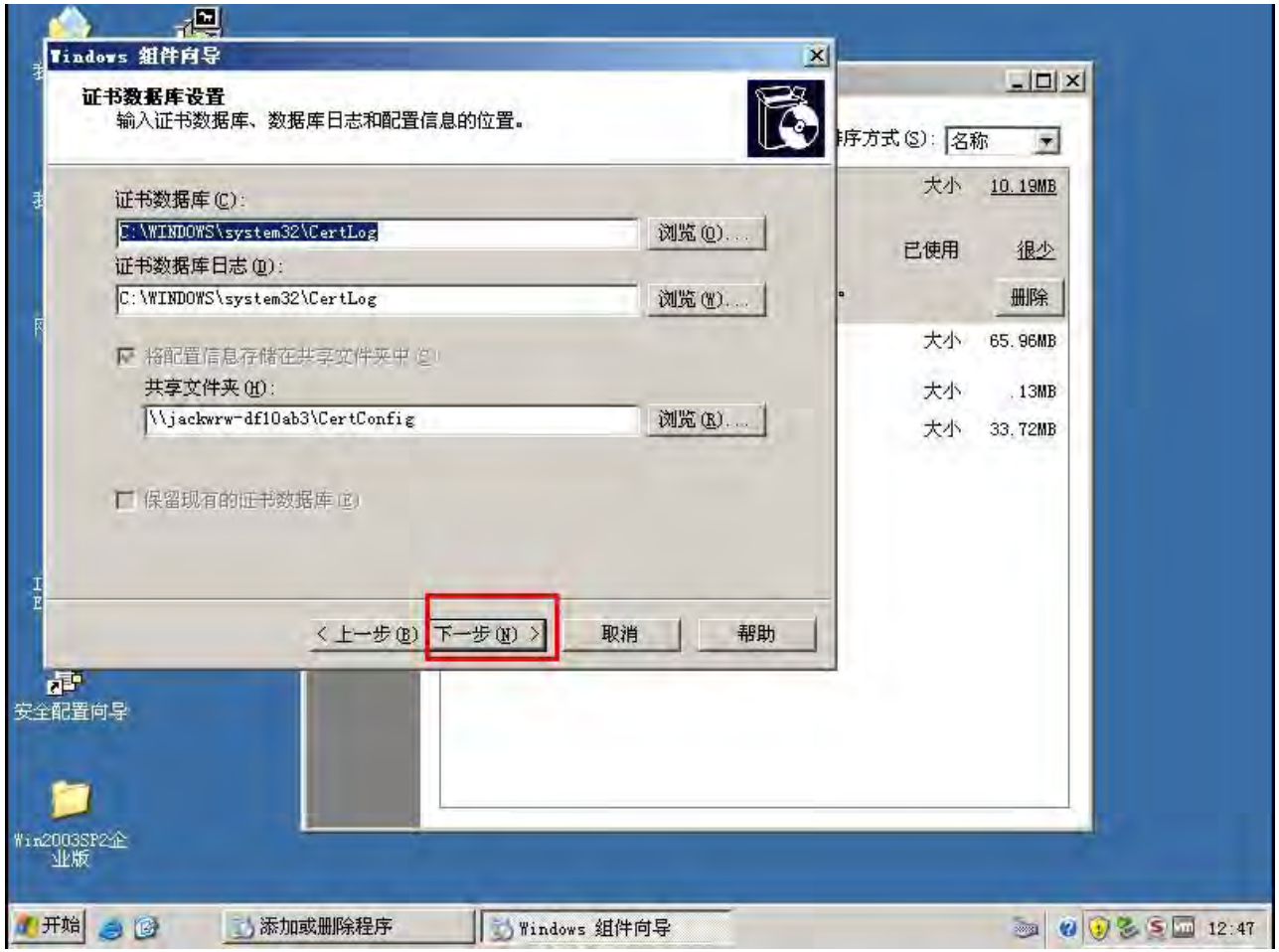


5、在安装证书服务过程中，选择独立根CA

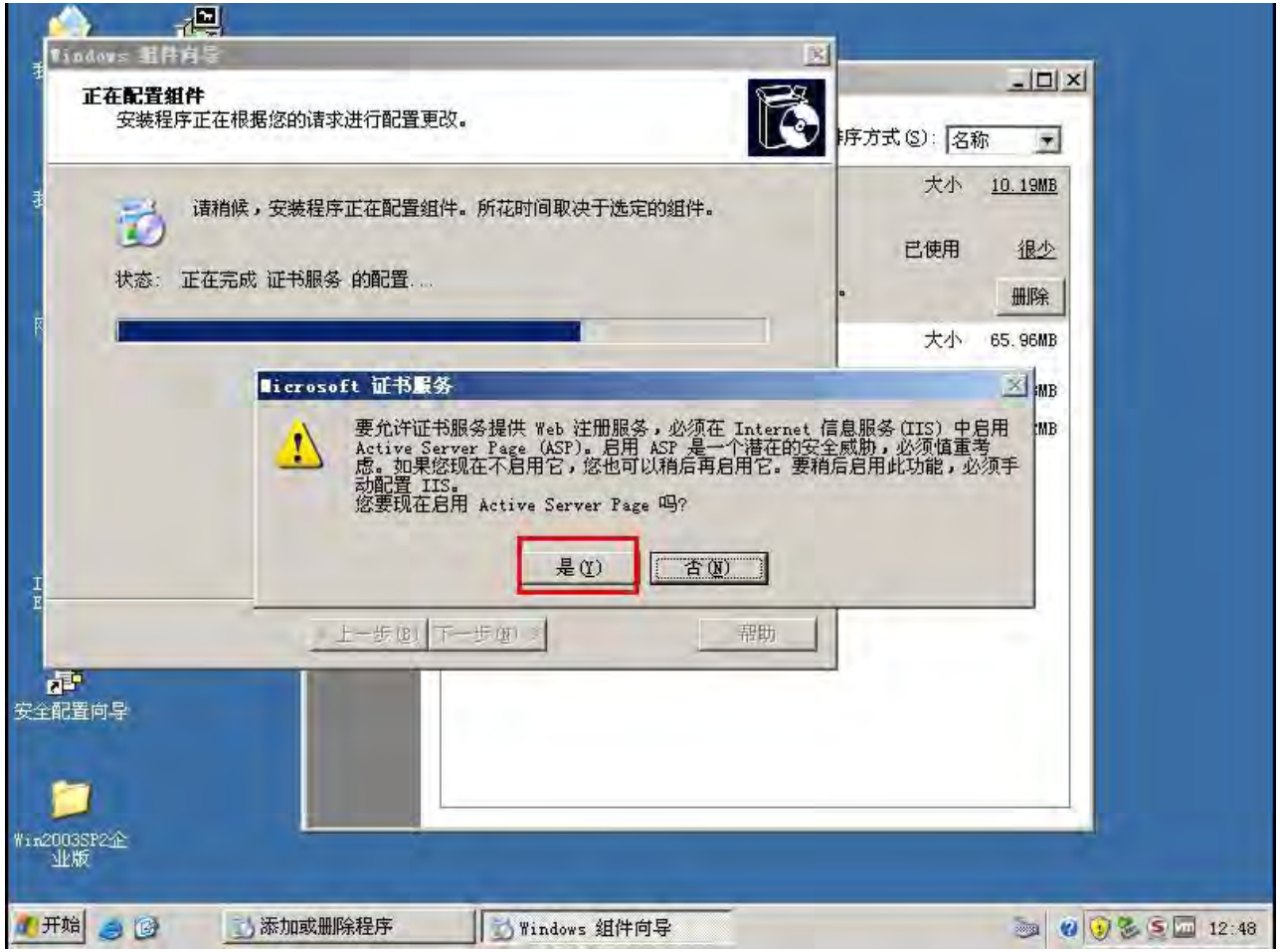
6、设定CA名称、年限



7、设定证书数据库设置（建议使用默认）

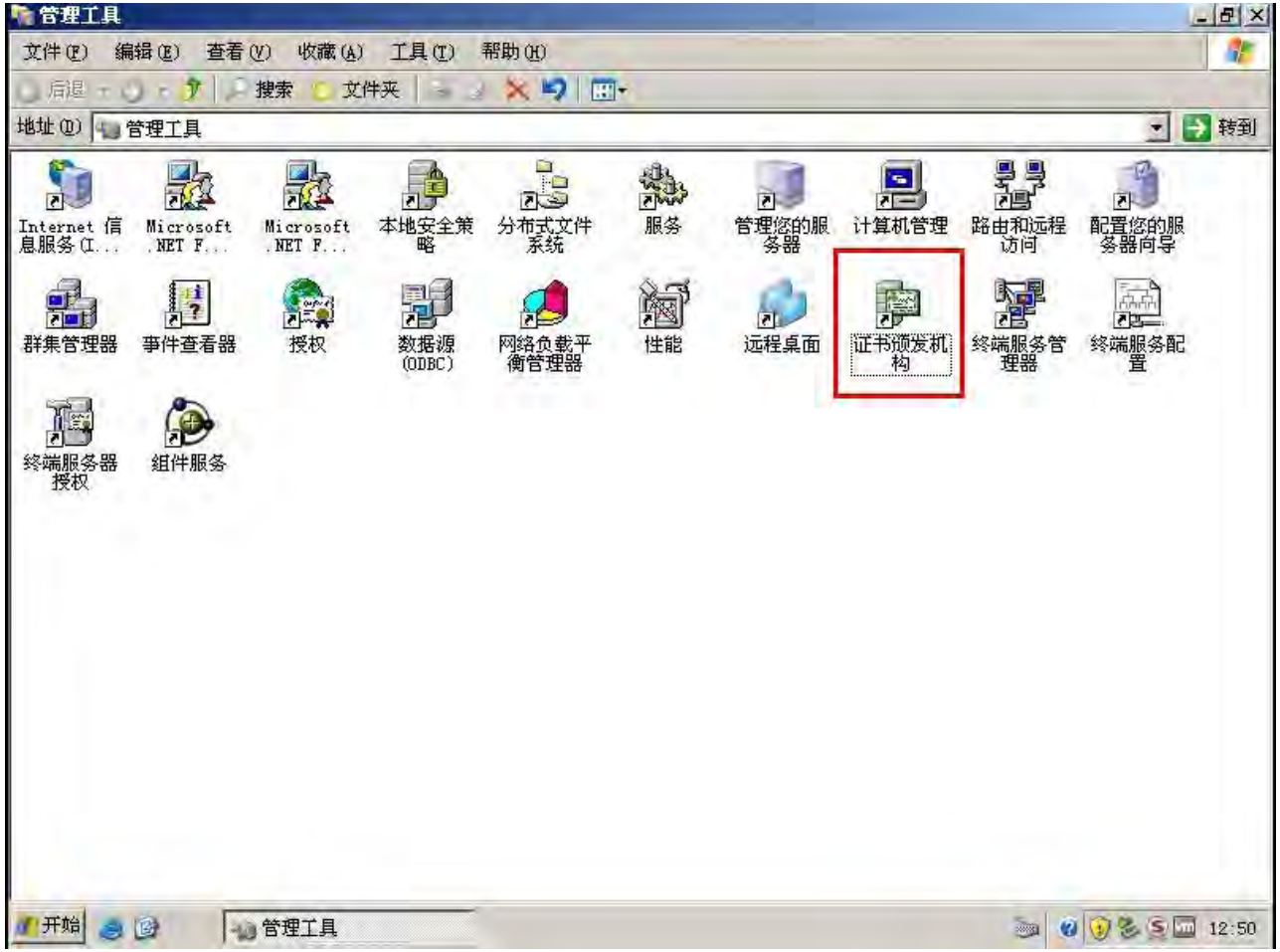


8、安装证书服务过程中，启用ASP

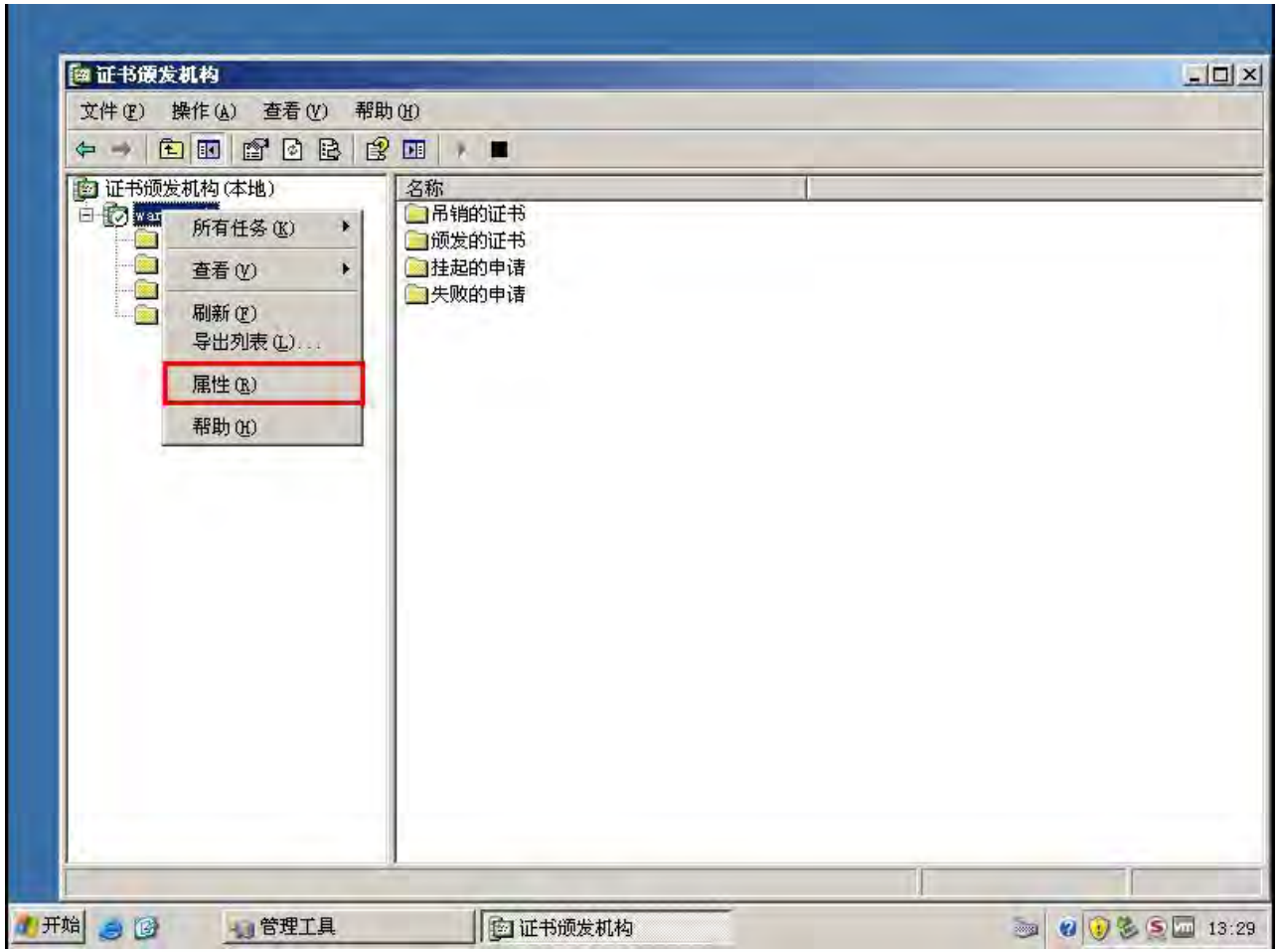


9、完成IIS和证书服务的安装

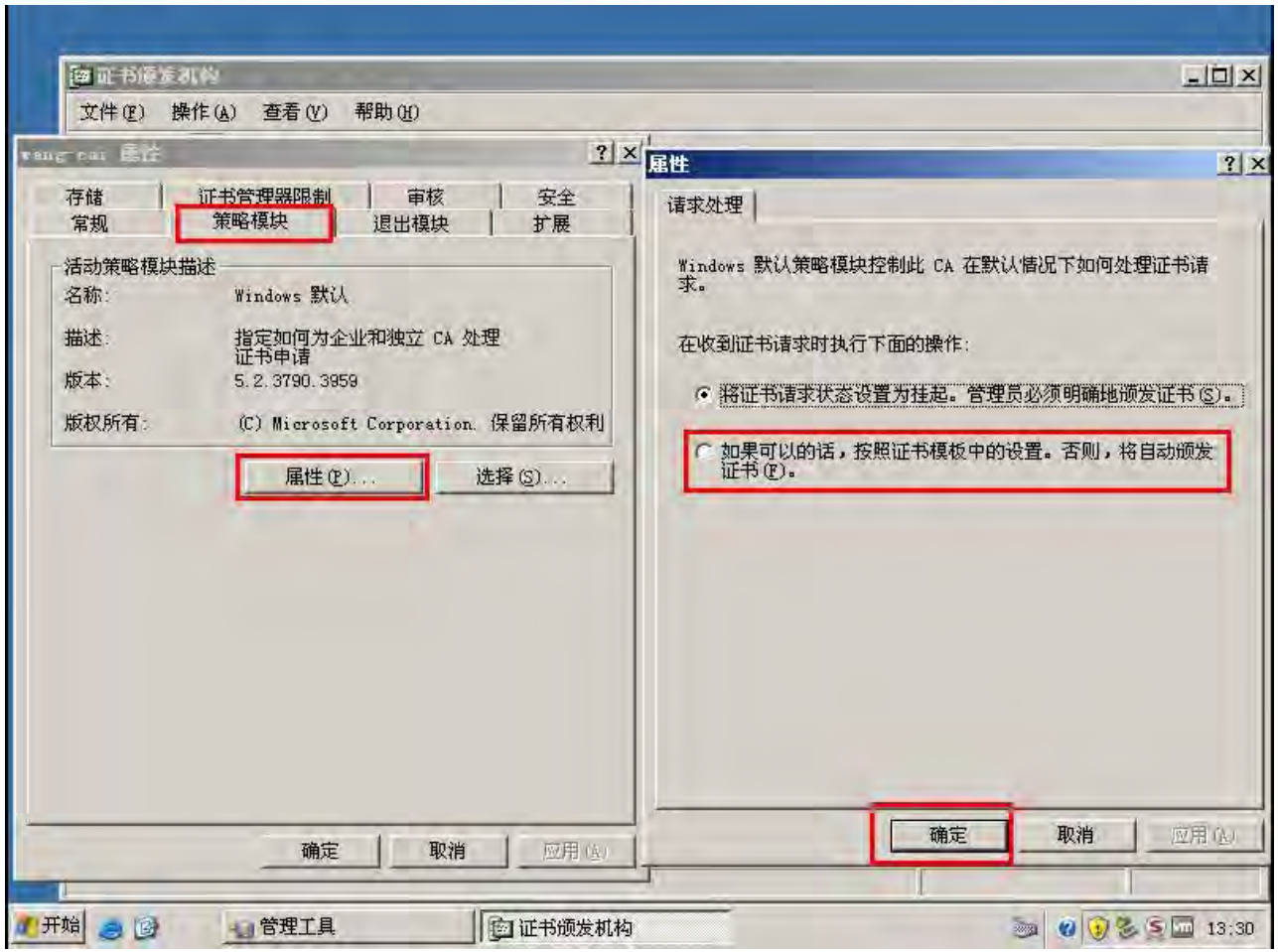
10、在控制面板——管理工具中，打开证书颁发机构



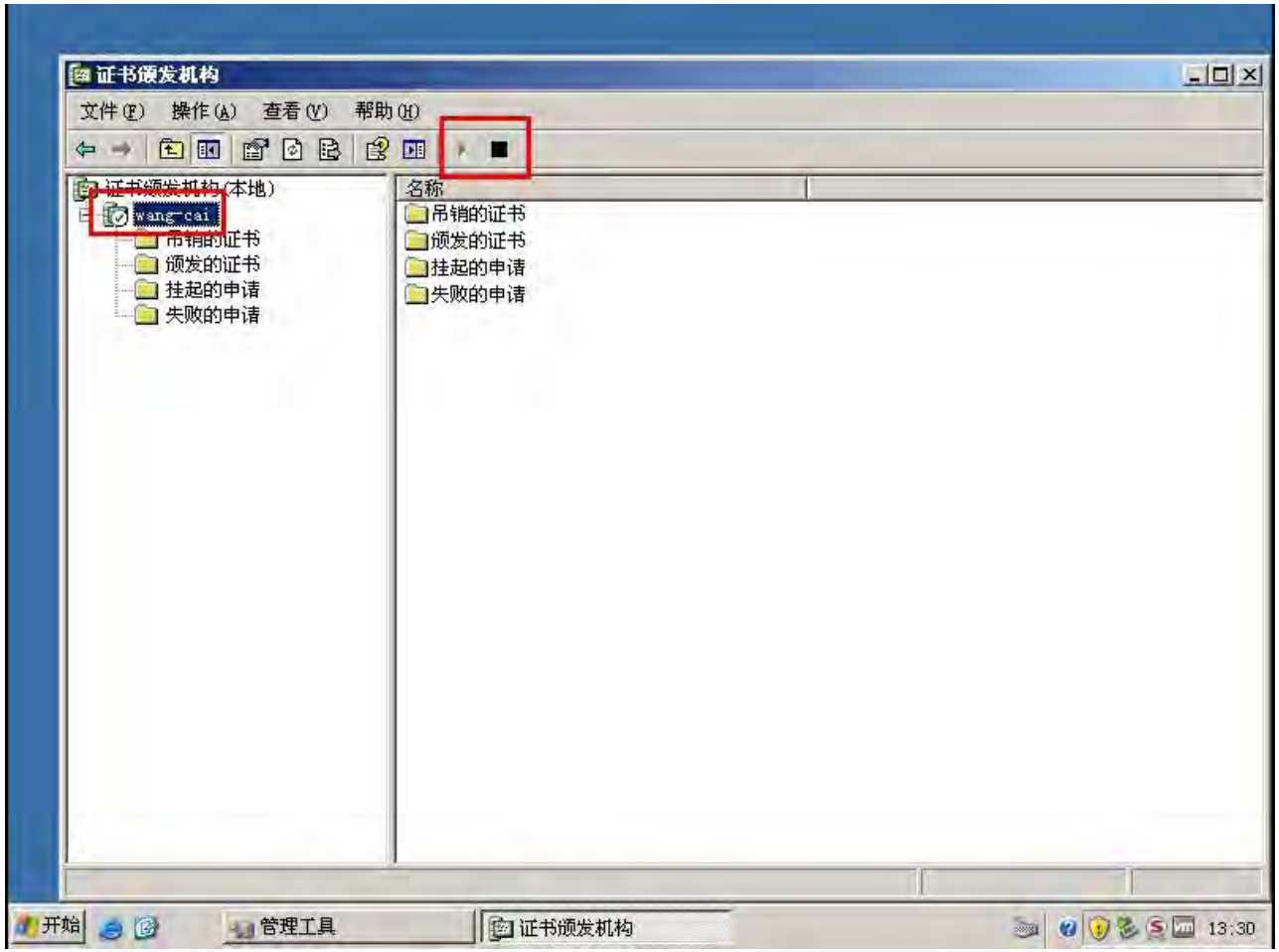
11、在证书机构上点击右键——属性



12、选择策略模块——属性，选择自动颁发证书。
（也可以使用手动颁发方式，此处不做单独讲解）

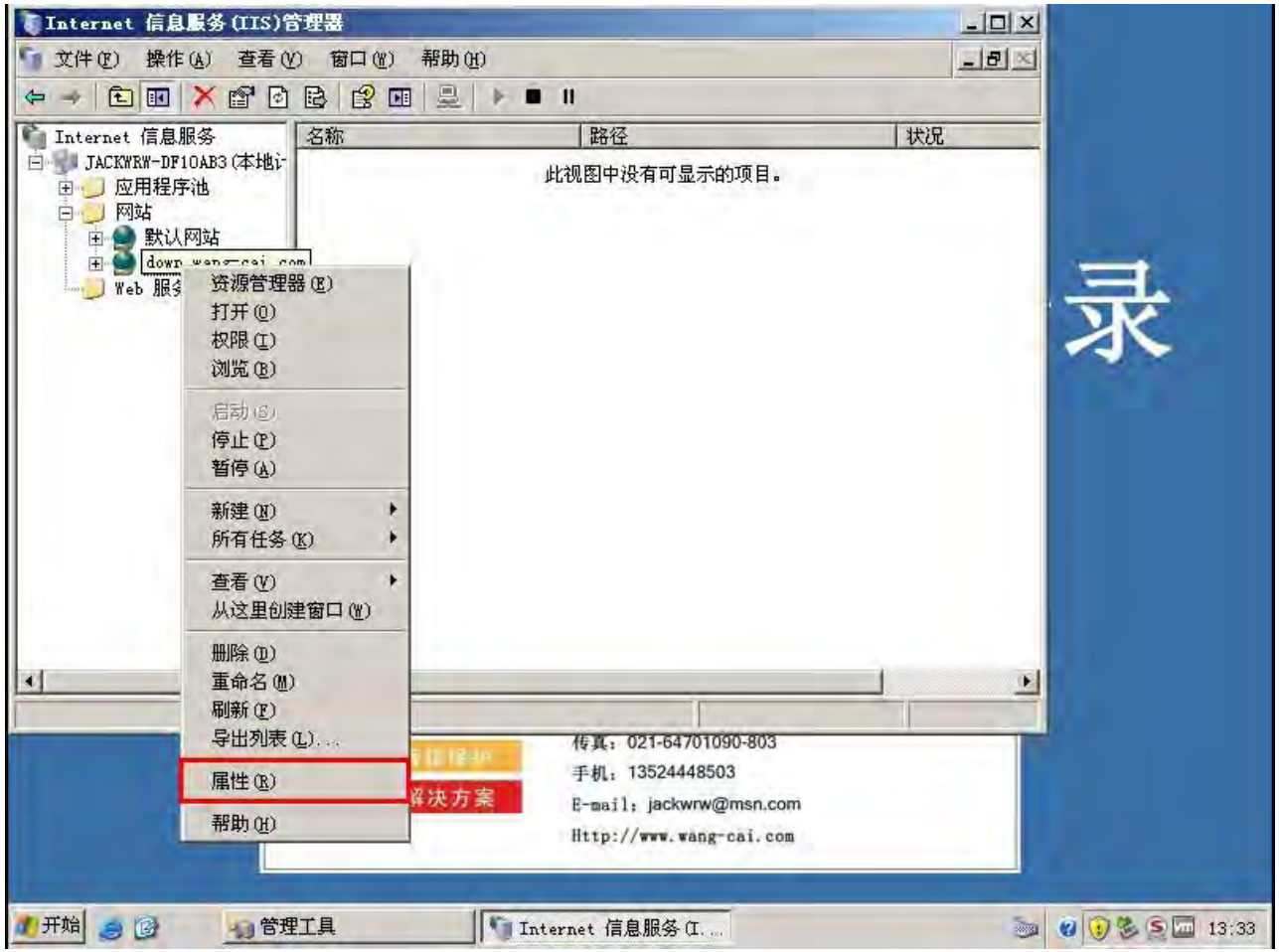


13、点击按钮，重新启动证书服务



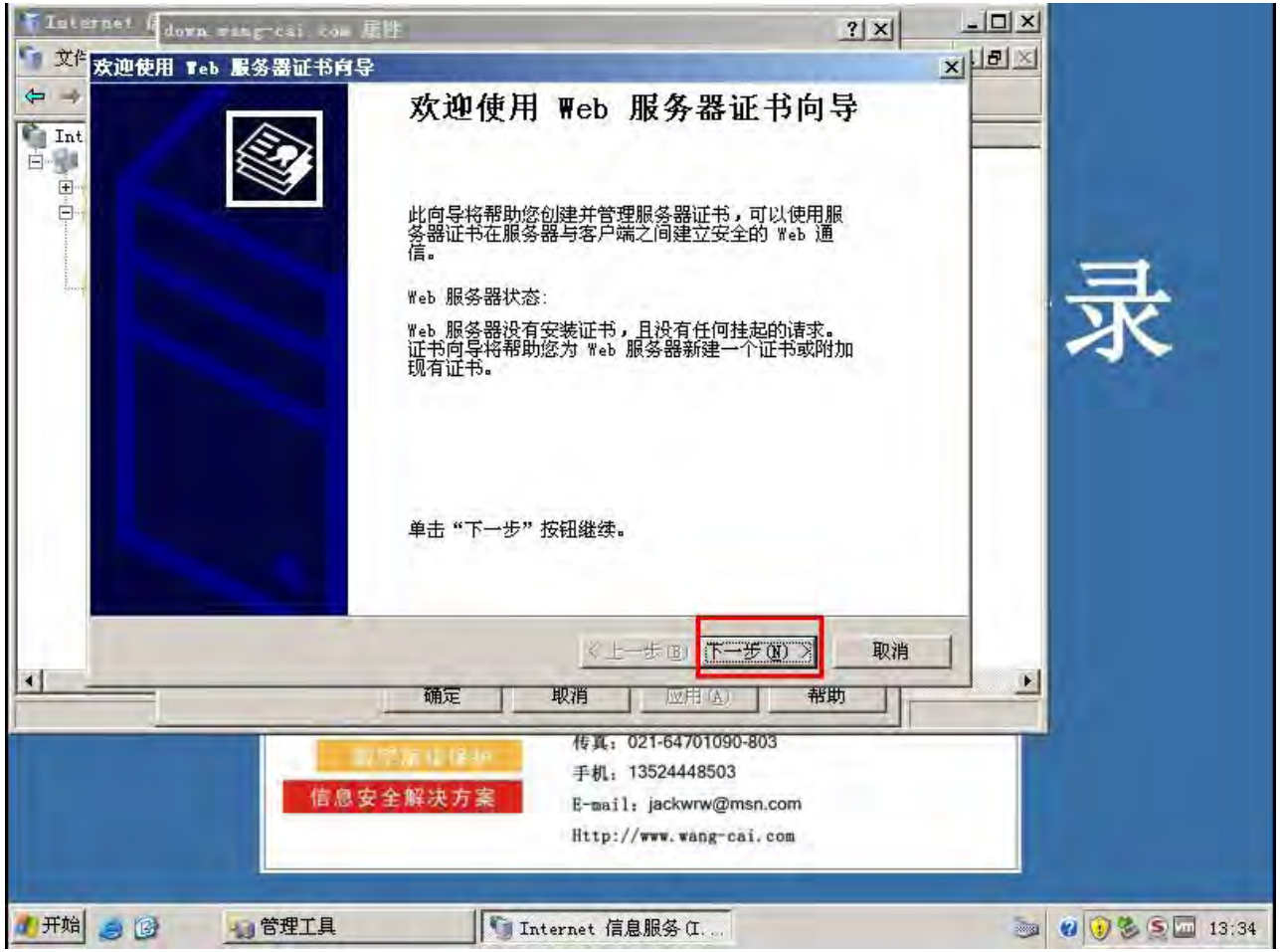
14、打开IIS

15、选择目标站点，右键——属性



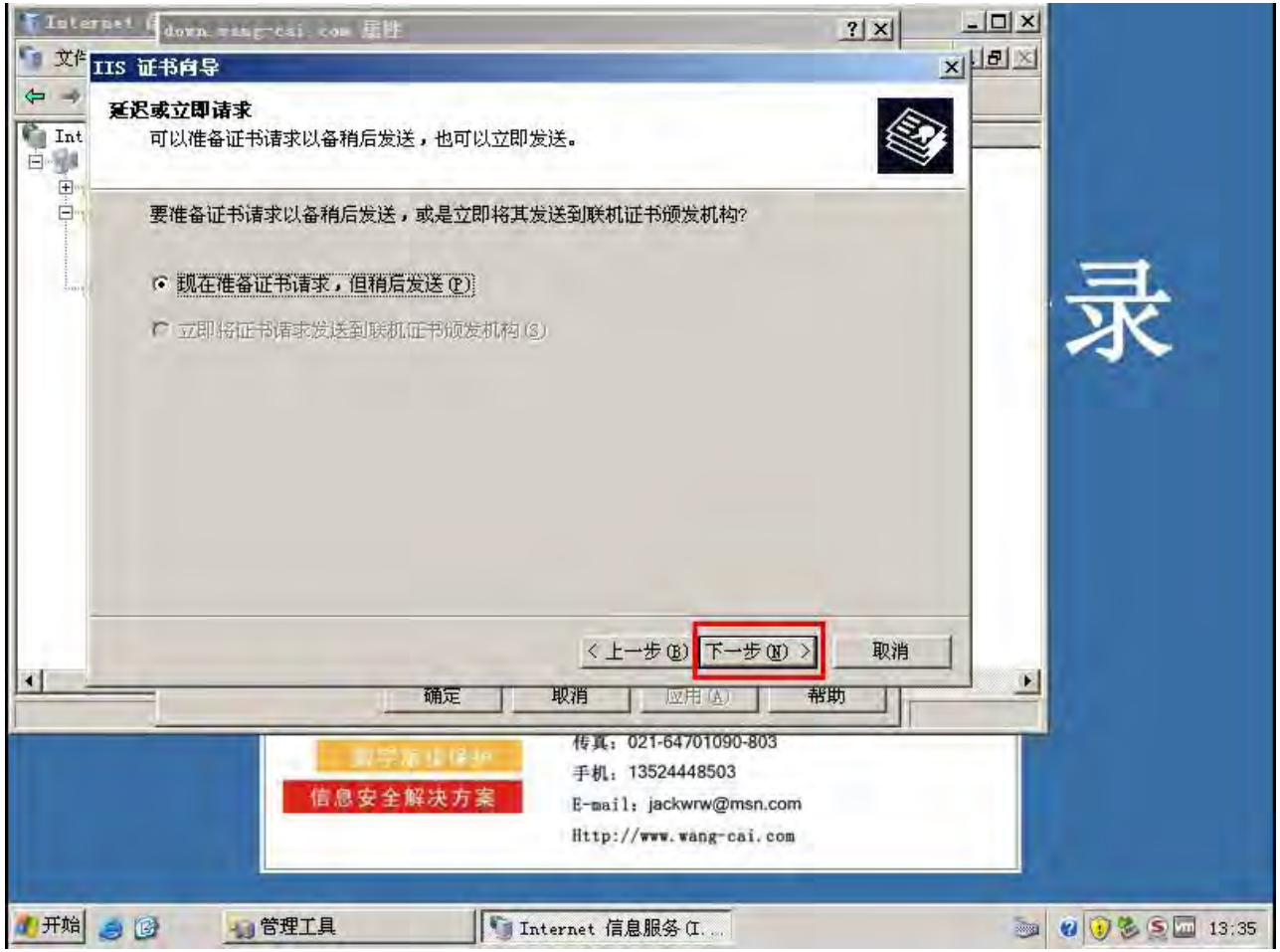
16、在目录安全性中，选择服务器证书

17、点击下一步

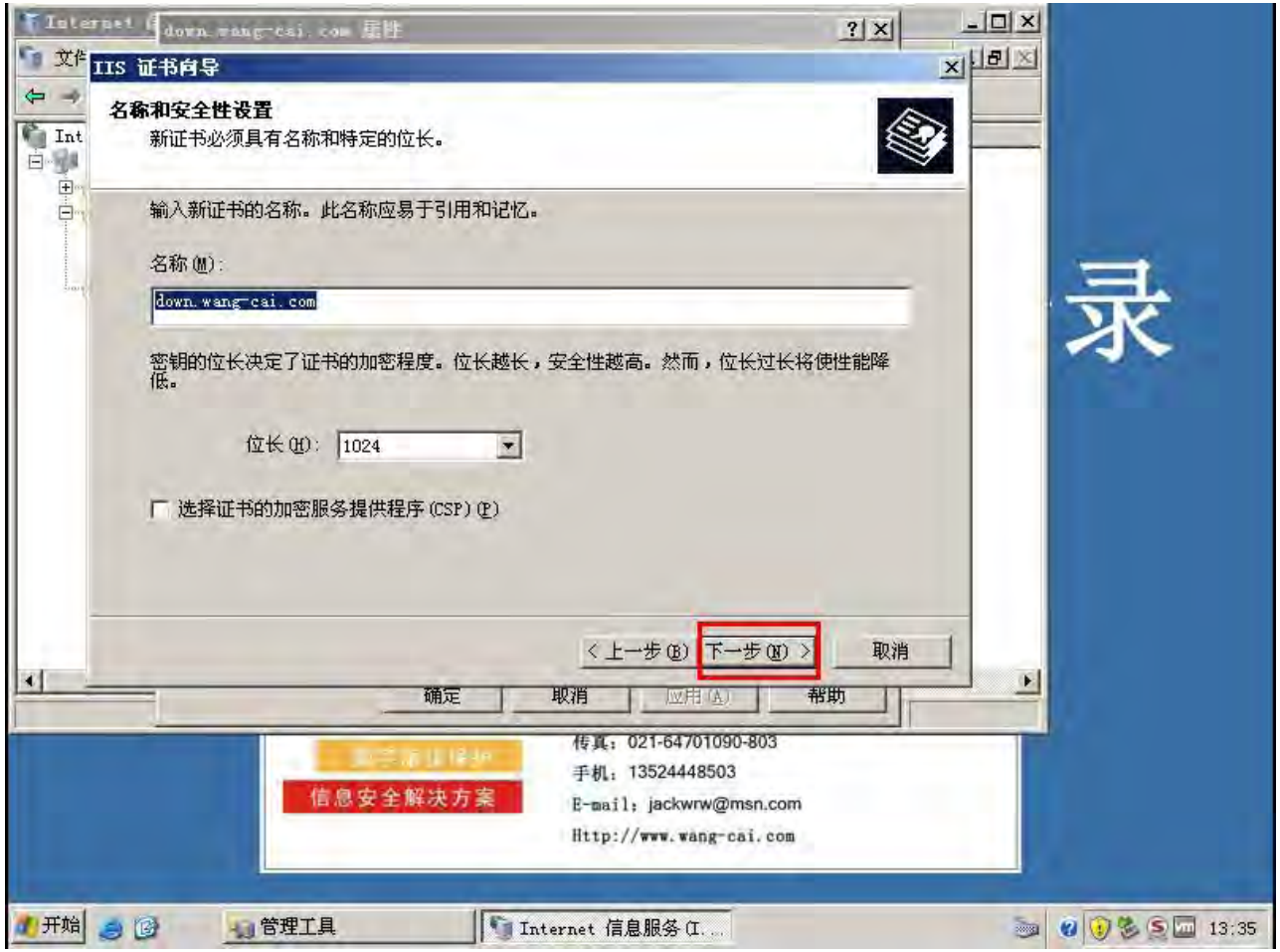


18、选择新建证书，点击下一步

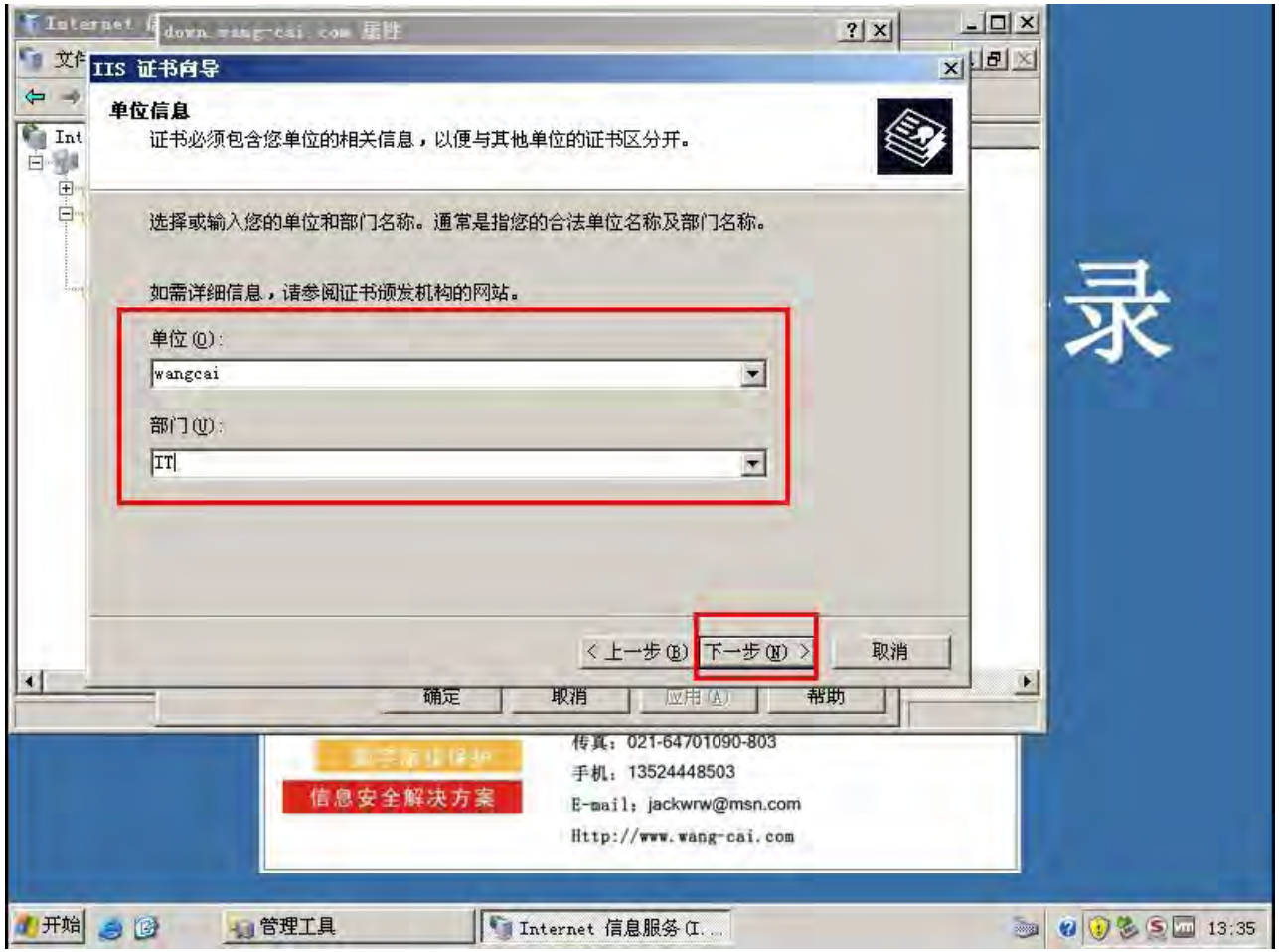
19、点击下一步



20、点击下一步



21、设定单位名称和部门，点击下一步



22、点击下一步

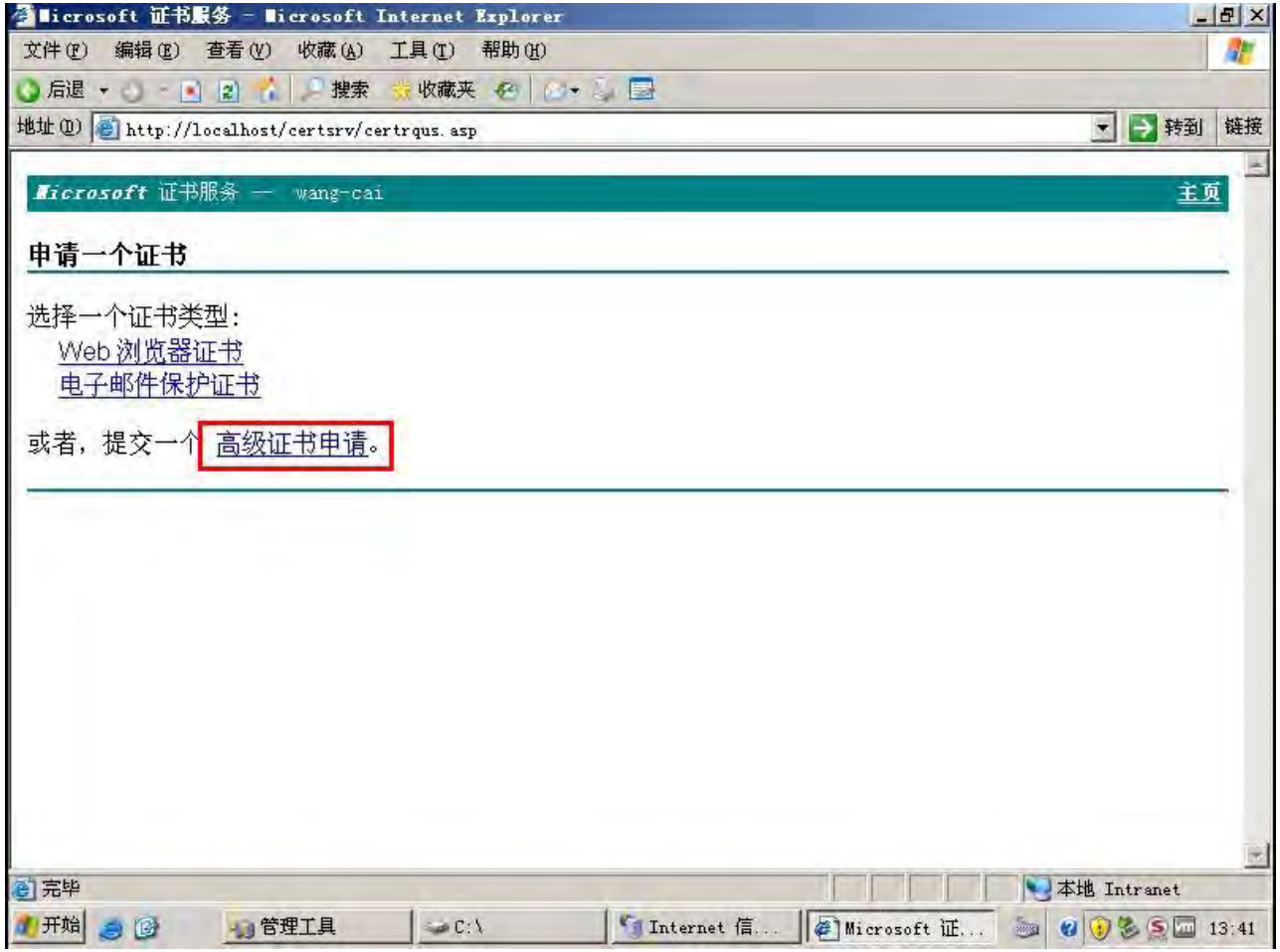
23、设定地理信息，点击下一步

24、保存证书请求文件（建议默认），点击下一步

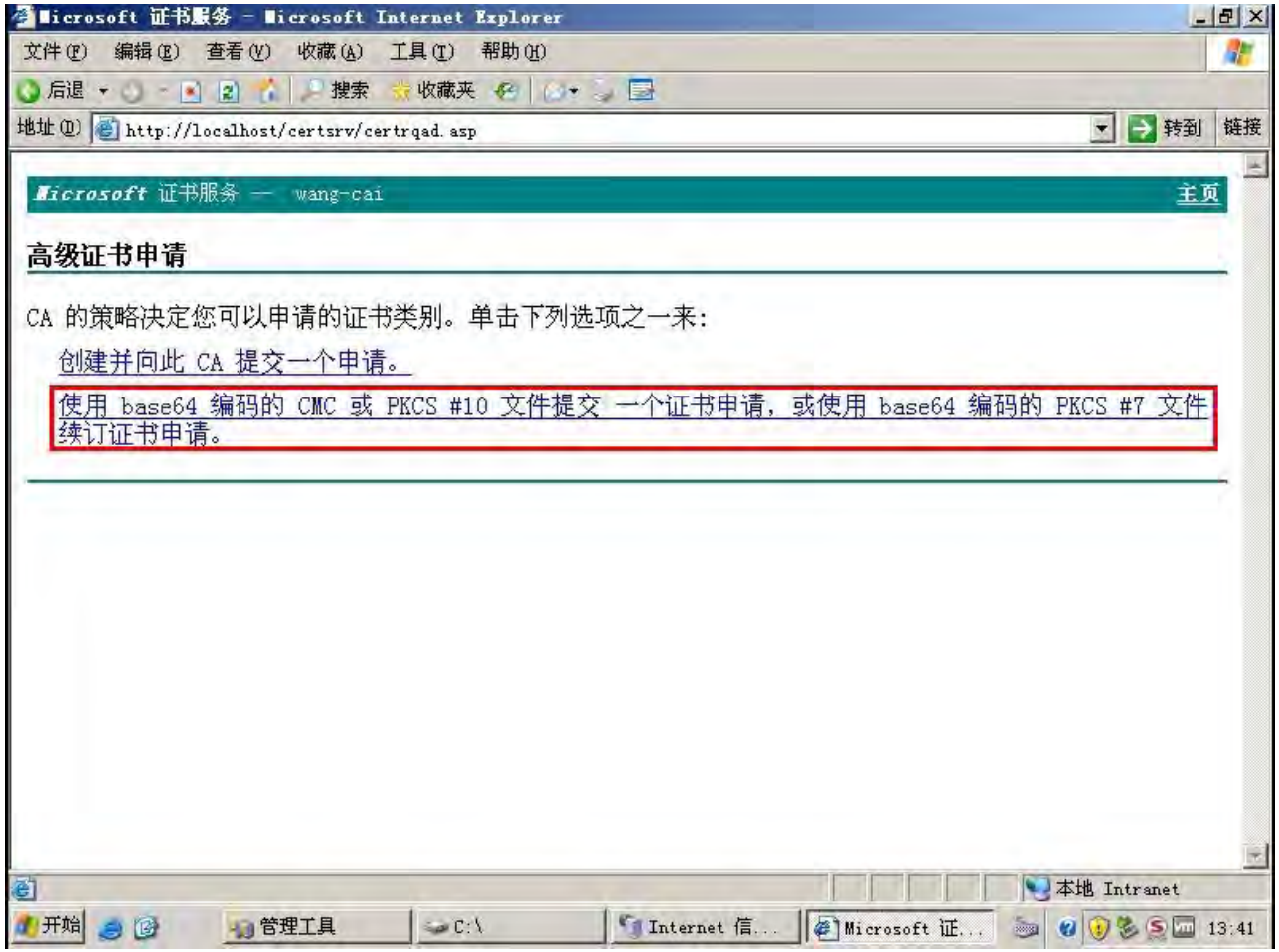
25、点击下一步

26、打开IE，访问http://localhost/certsrv 点击申请一个证书

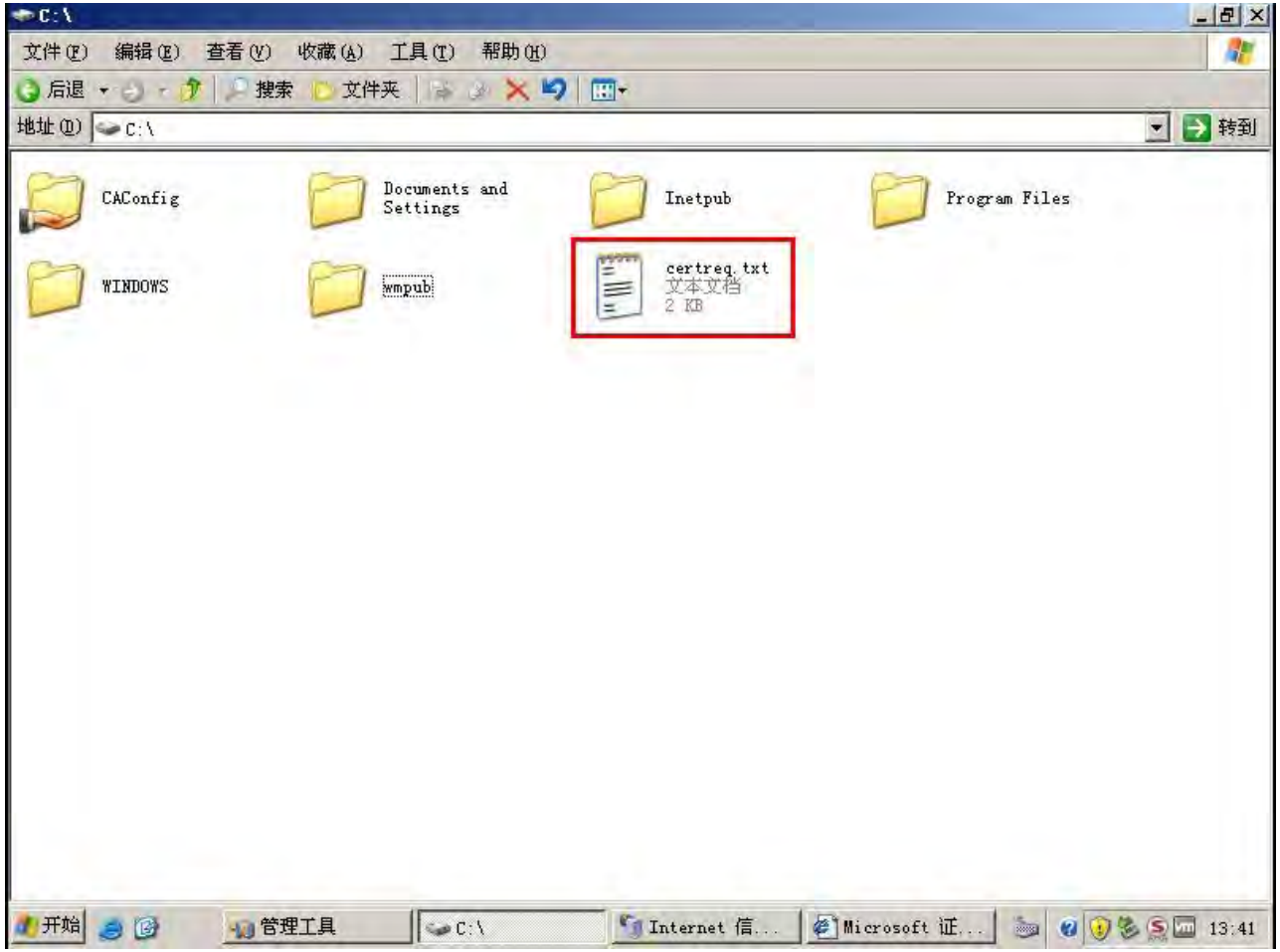
27、选择高级证书申请



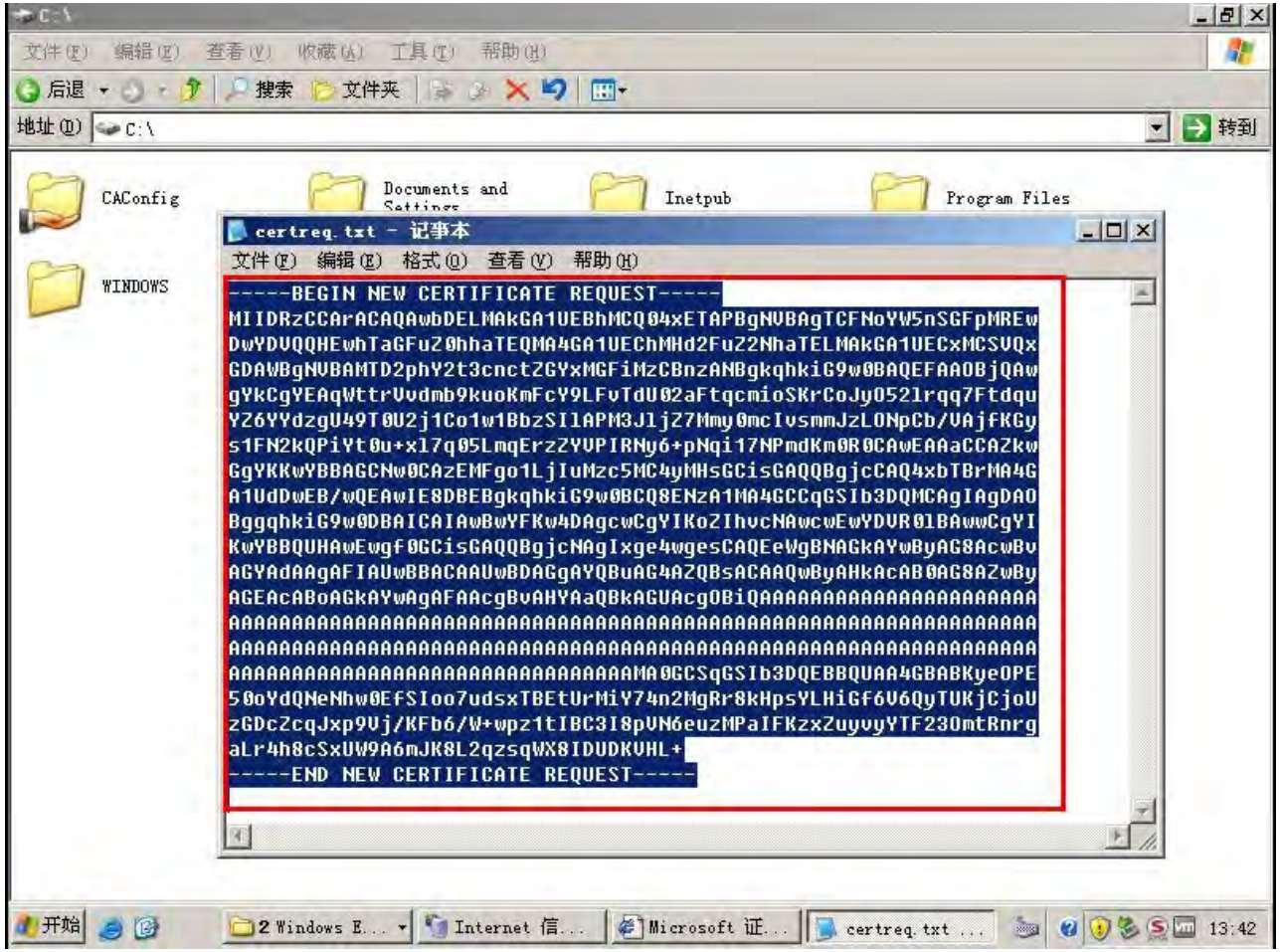
28、选择续订证书申请



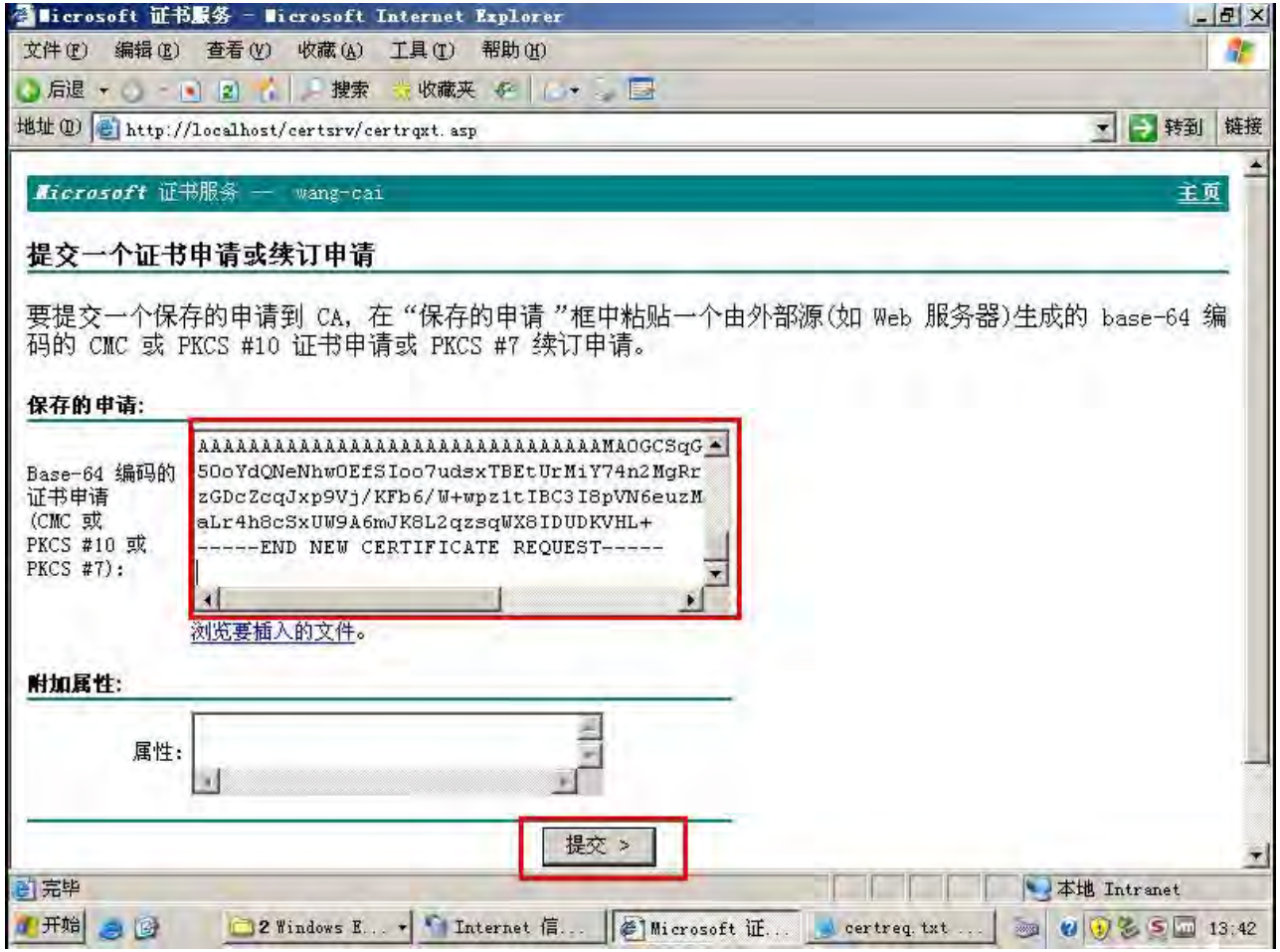
29、打开第24步骤中保存的TXT文件，



30、全选TXT里的文字，并复制

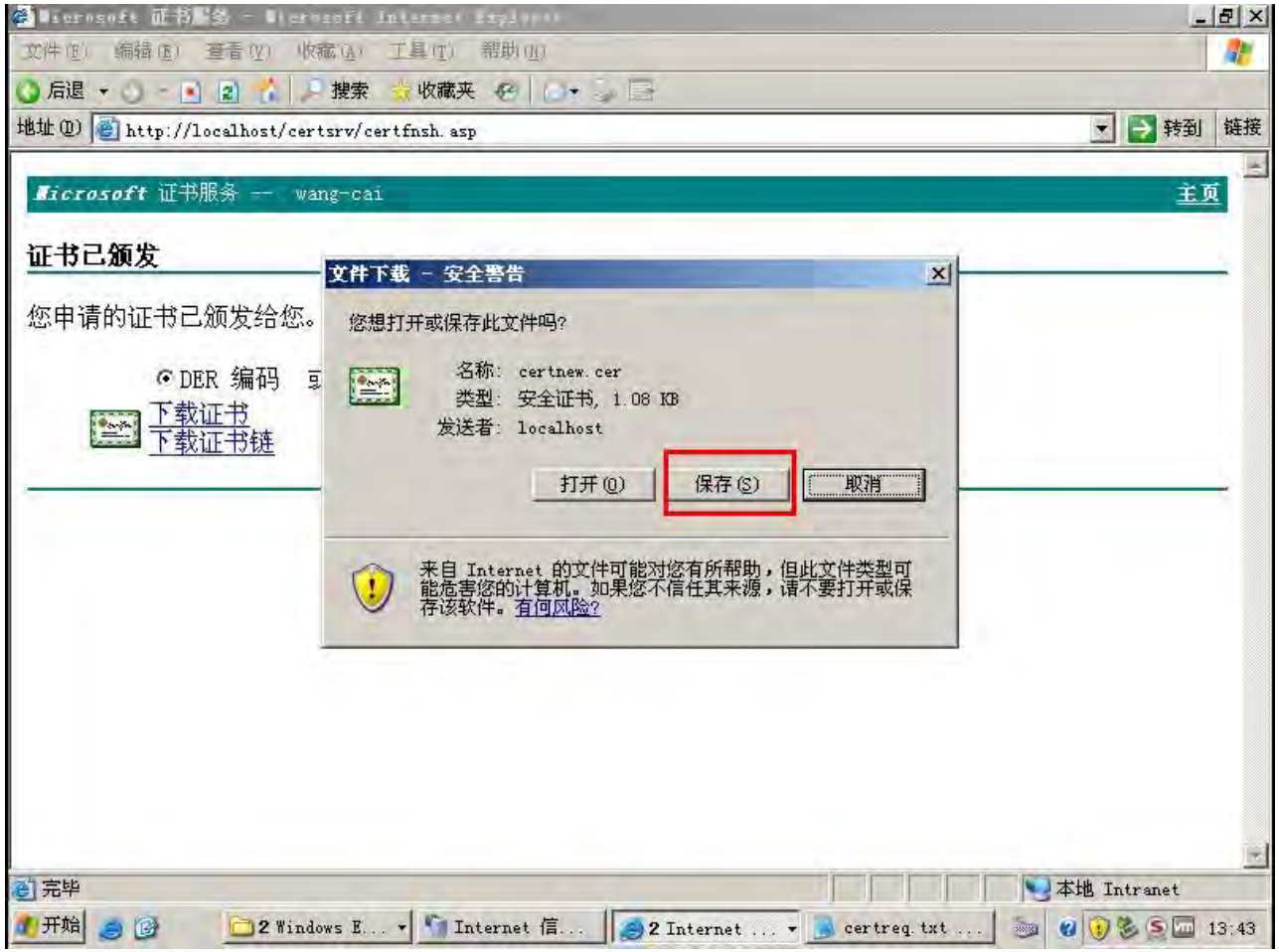


31、将文字粘贴到IE中，点提交

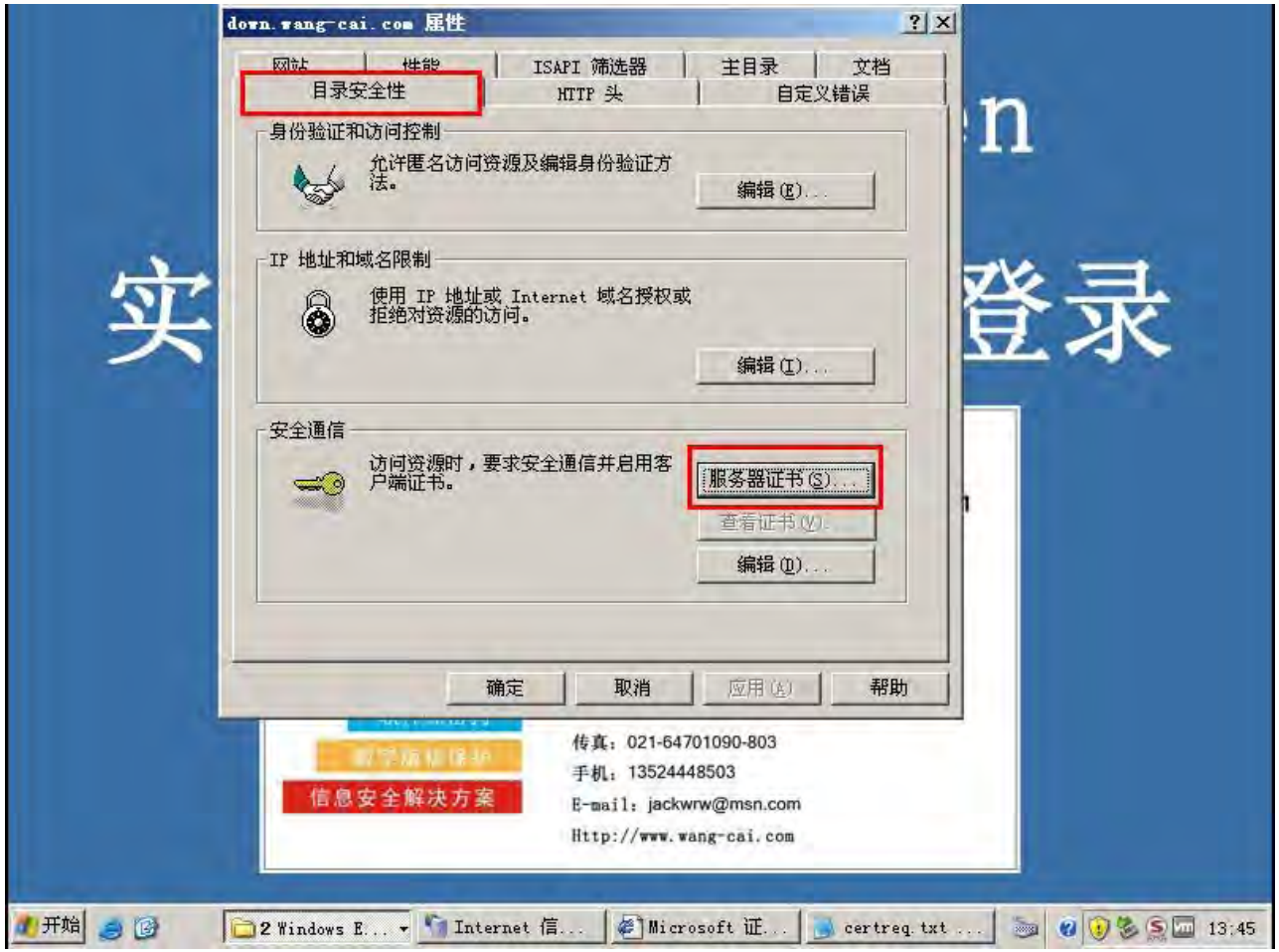


32、点击下载证书

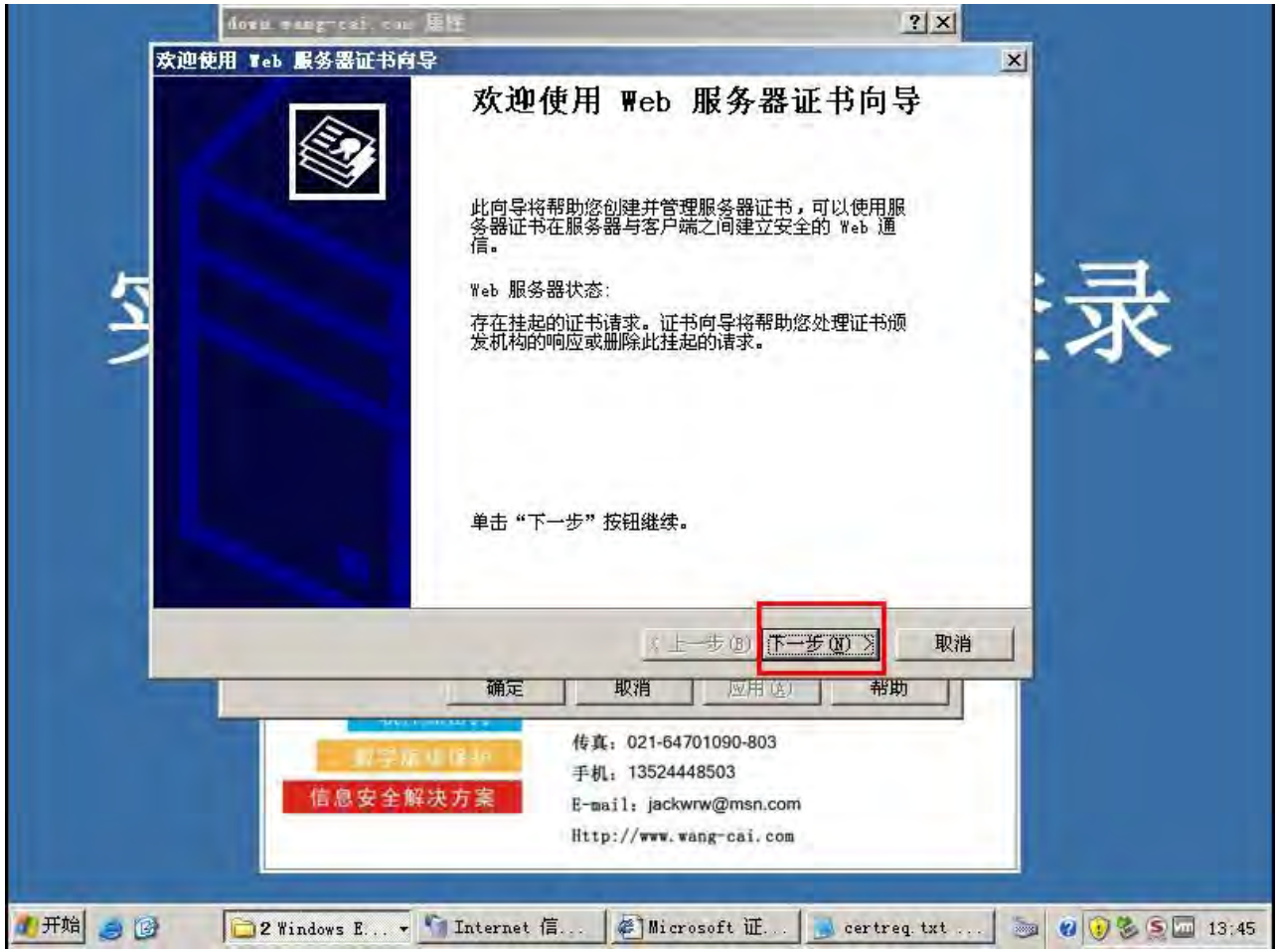
33、保存证书



34、在站点属性中，再次点击服务器证书



35、点击下一步



36、选择处理挂起的请求并安装证书，点击下一步

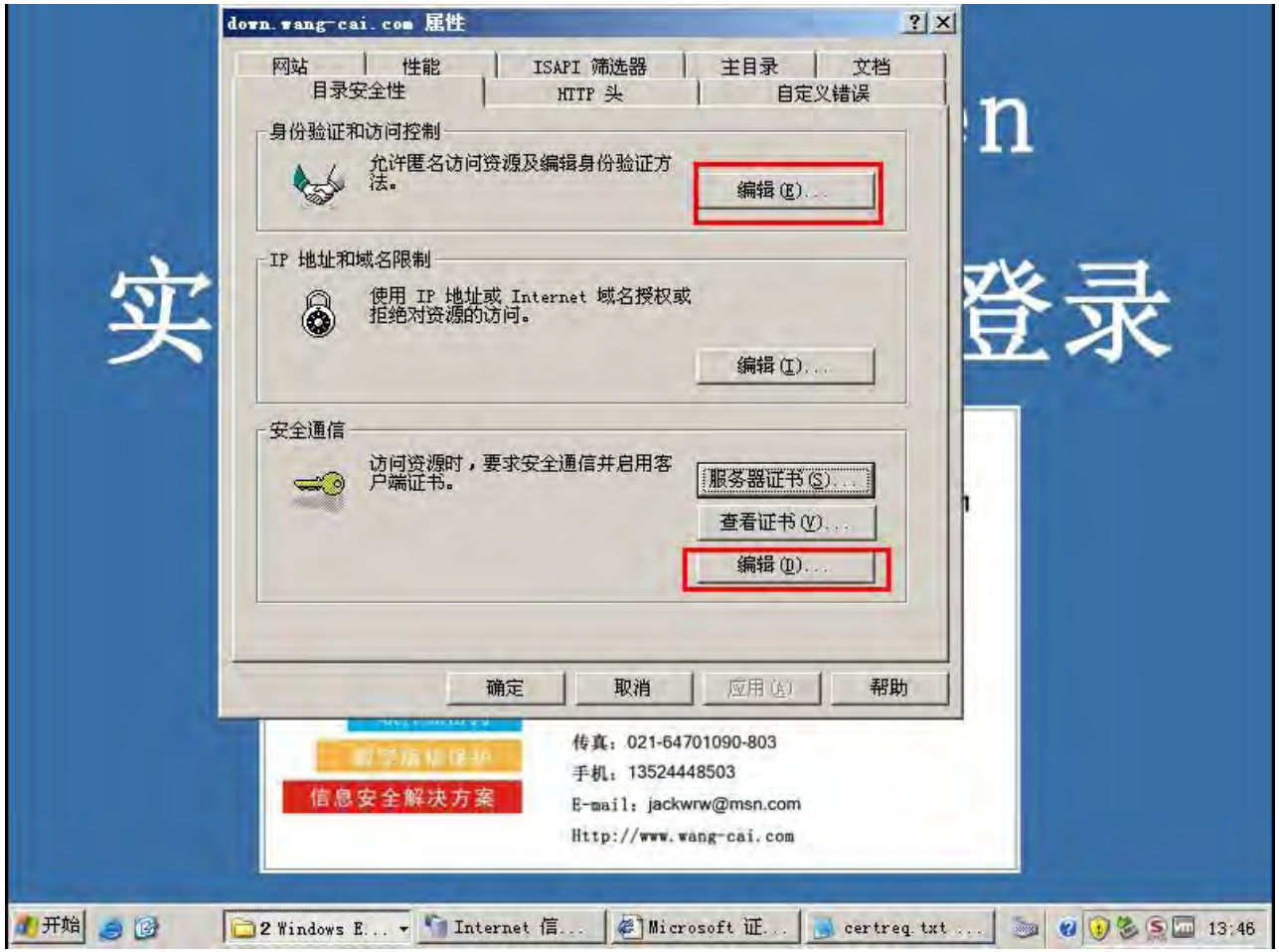
37、选择第33步骤中保存的证书，点击下一步

38、设定CA认证的SSL端口（默认443），点击下一步

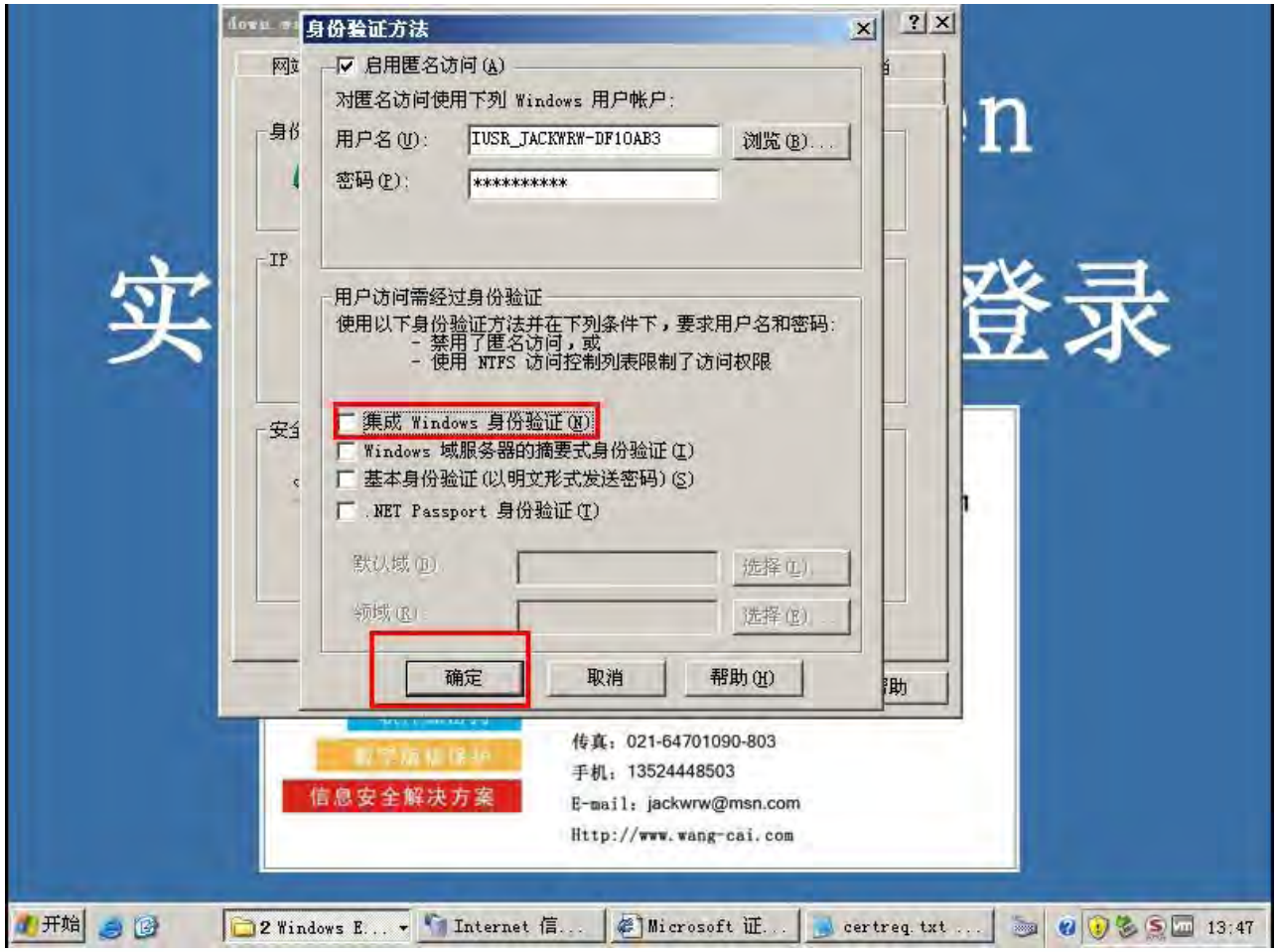
39、点击下一步

40、点击完成

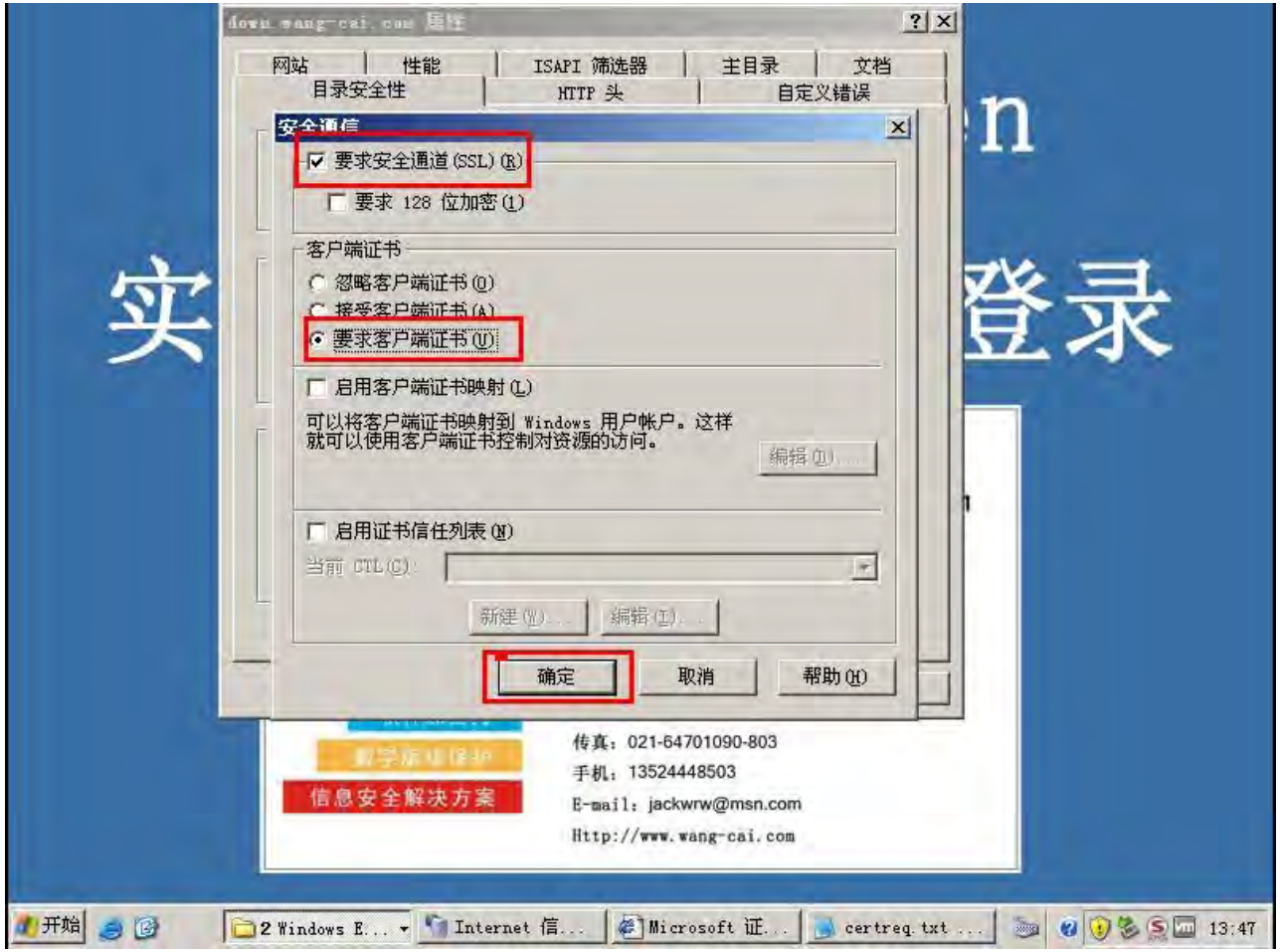
41、分别编辑身份验证和安全通信



42、编辑身份验证：去掉集成windows身份验证前的勾选，点击确定

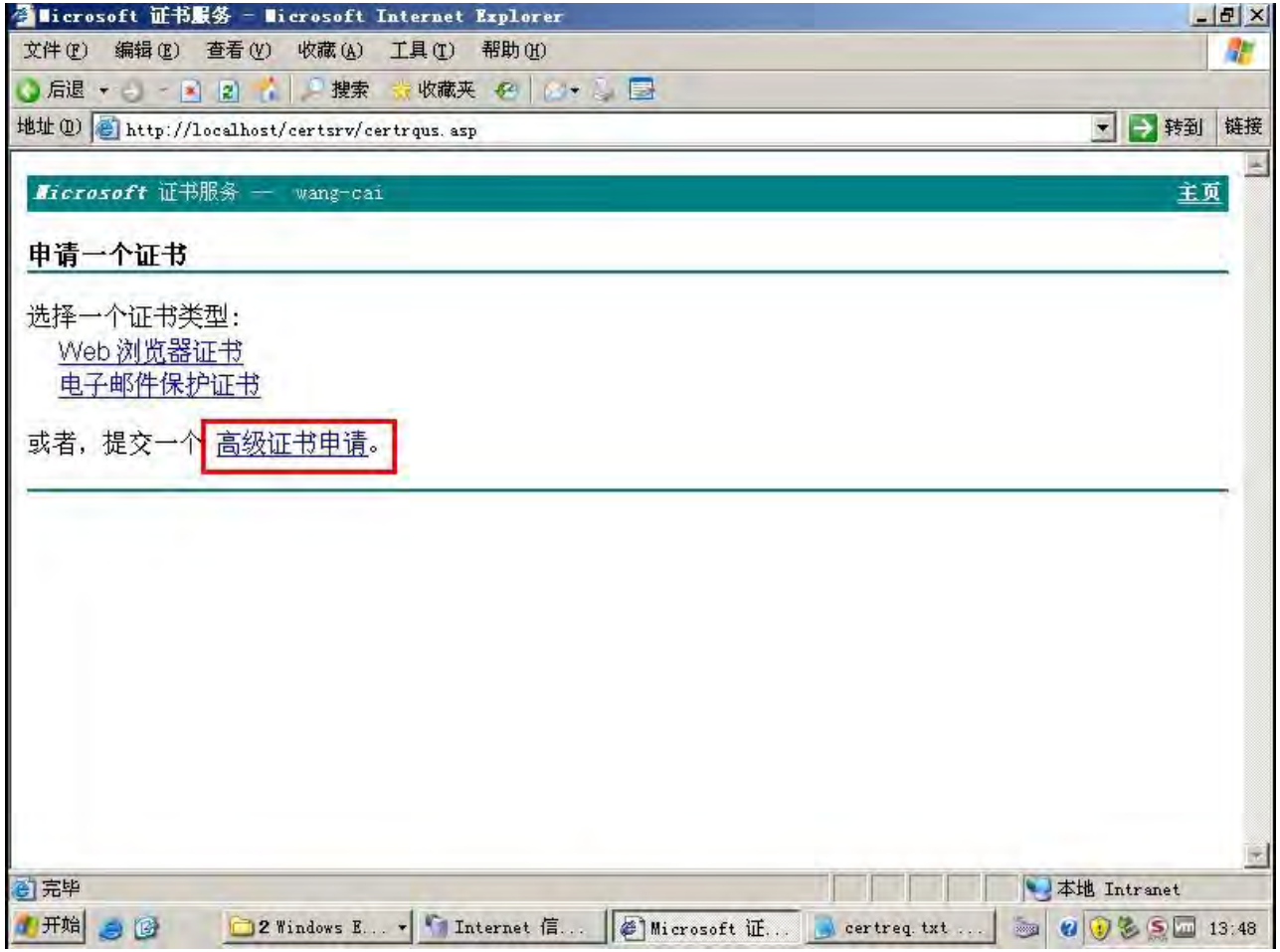


43、编辑安全通信：勾选要求安全通道和要求客户端证书

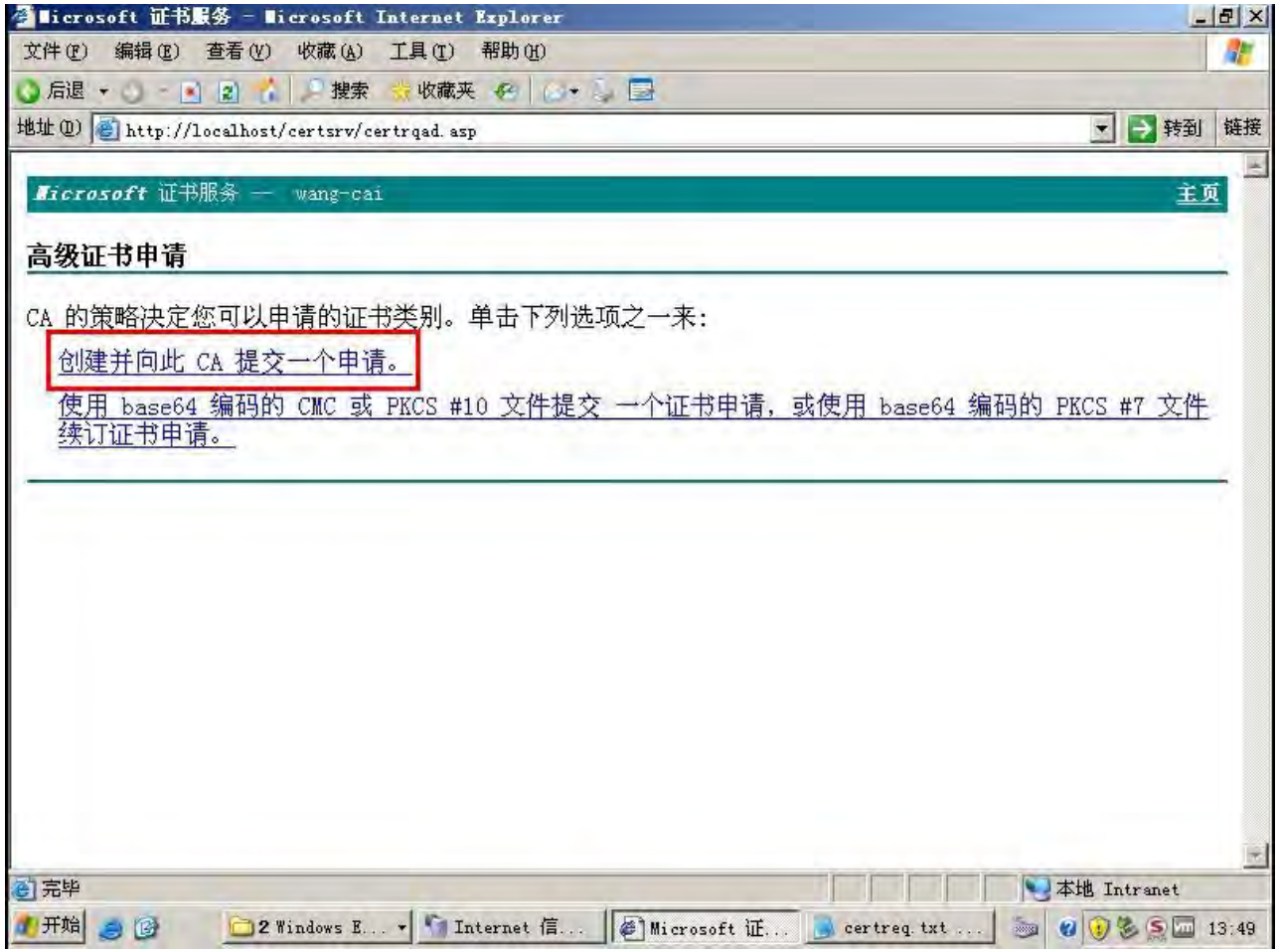


44、打开IE，访问http://localhost/certsrv 选择申请一个证书

45、选择高级证书申请

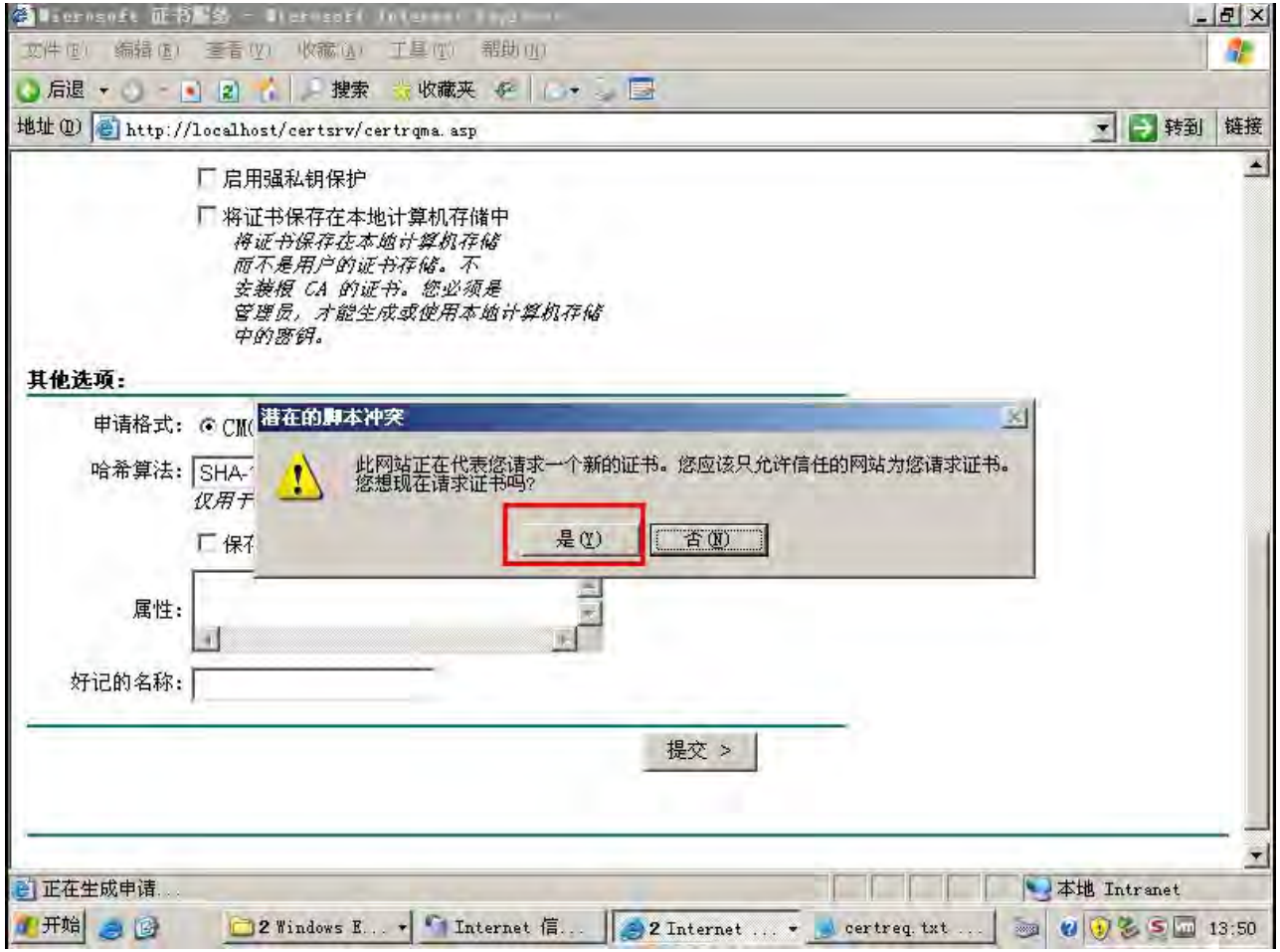


46、选择创建并向此CA提交一个申请

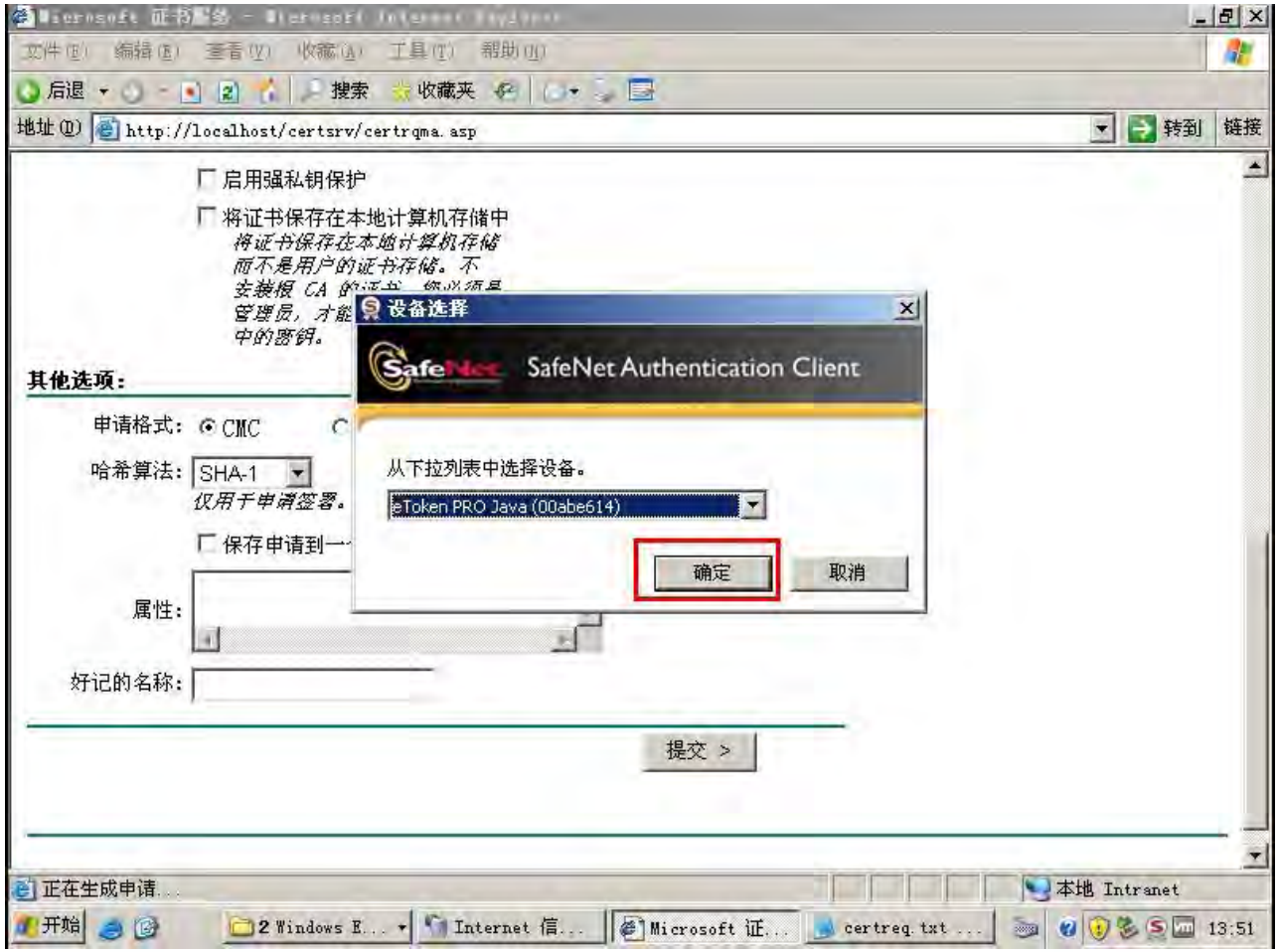


47、填写个人信息，*CSP选择eToken*，点击提交

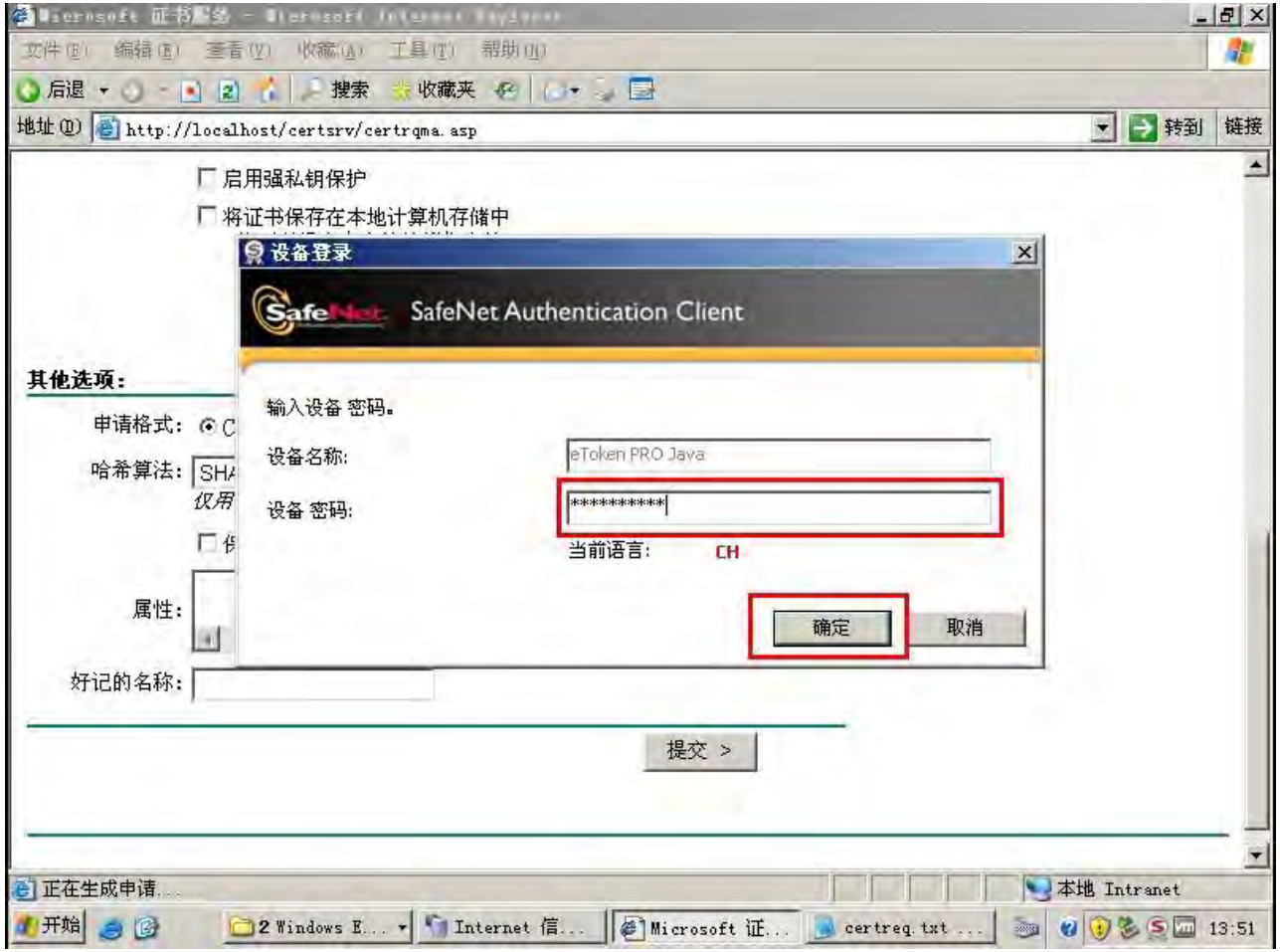
48、点击“是（Y）”



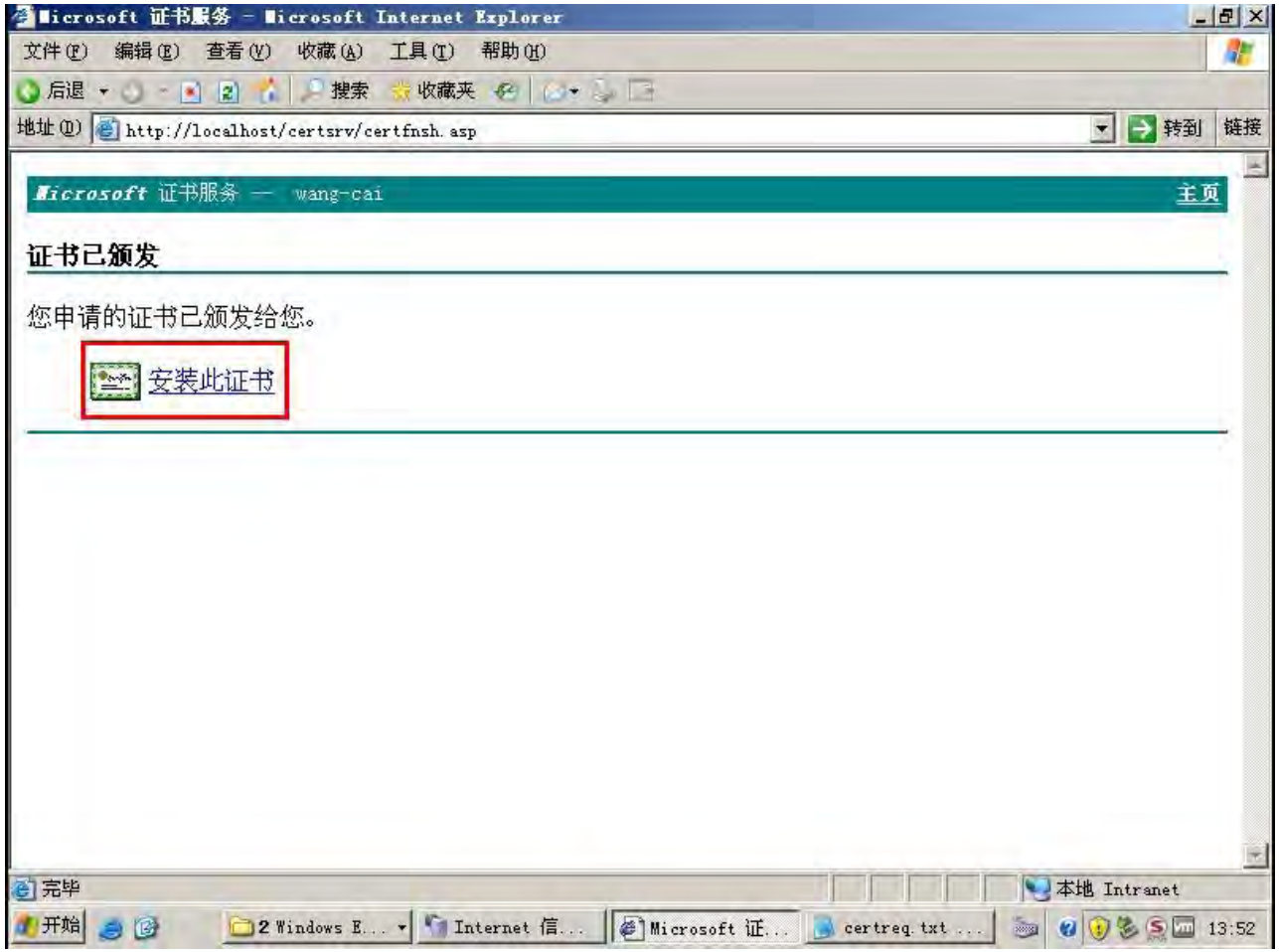
49、插入eToken硬件，并在页面中选择硬件



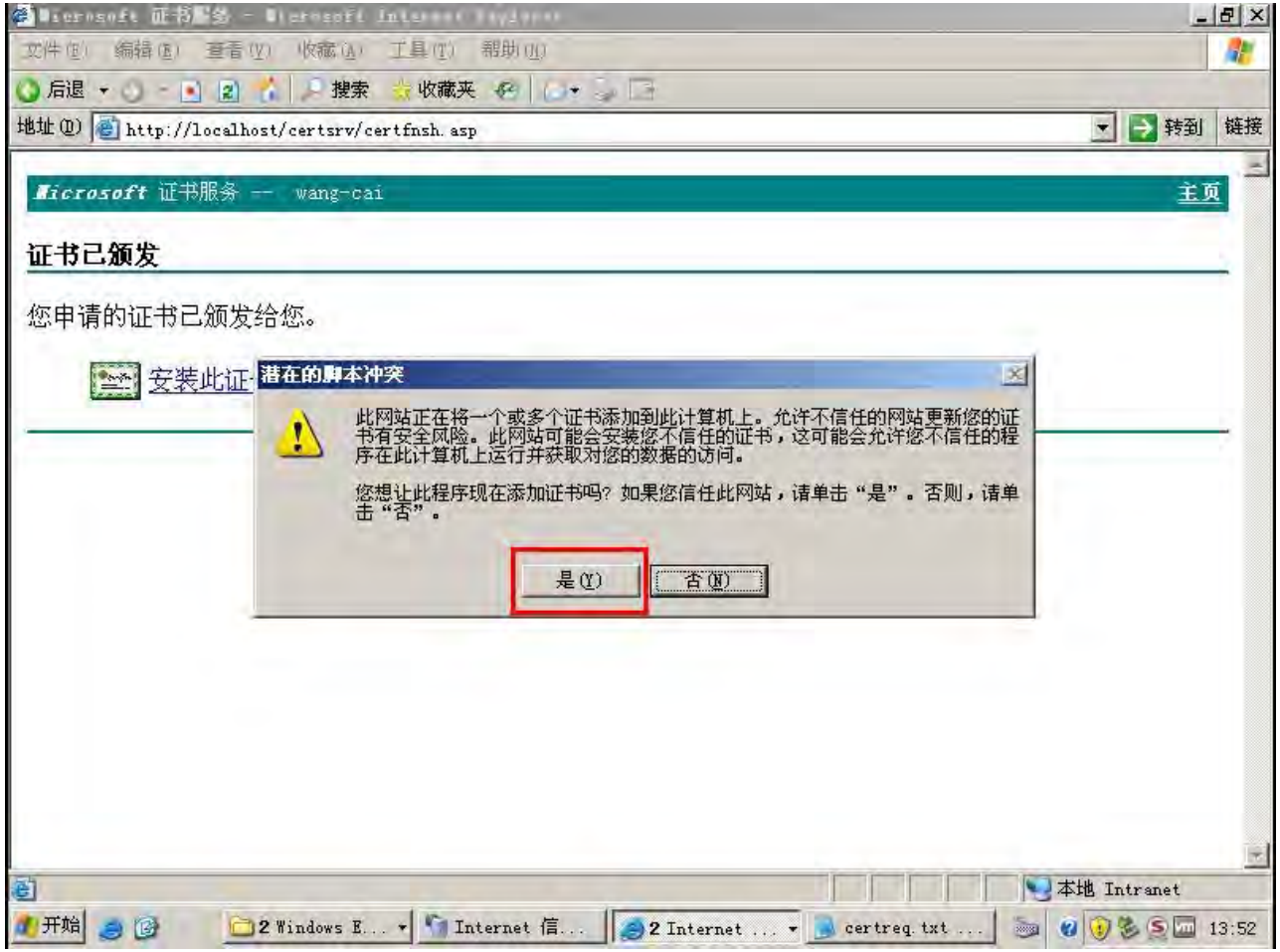
50、输入硬件密码，默认密码：1234567890，后面需要更改密码，请保证密码一定的安全级别，可参考：1qaz@WSX（更改密码不单独介绍）



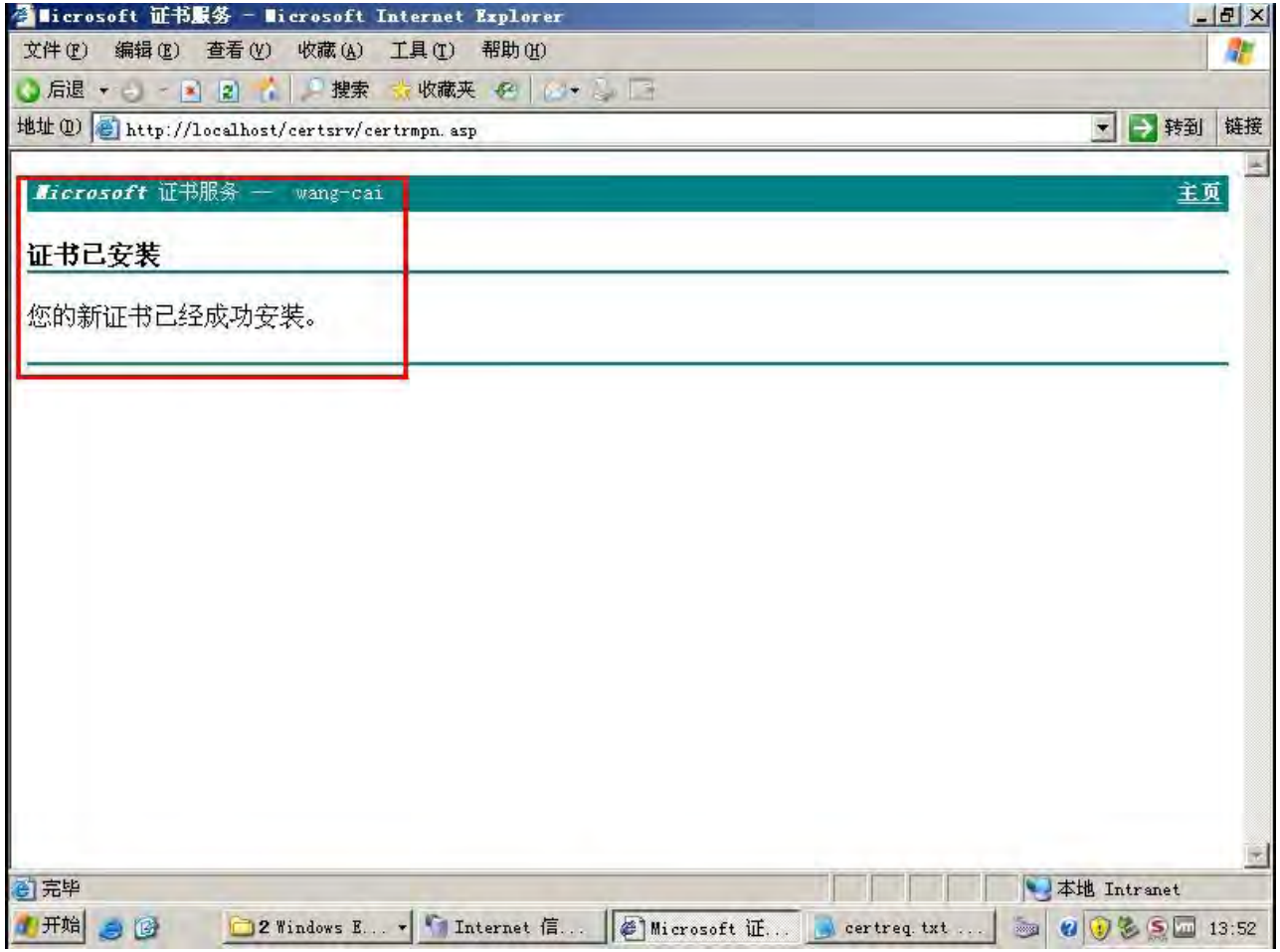
51、选择安装此证书



52、选择“是（Y）”开是安装证书



53、完成用户证书的申请和安装。



54、进行测试

- 到此为止，我们已经完成了站点的所有配置，以及为一个用户颁发CA证书。下面可以进行测试，检验是否存在问题。请注意：

- A、访问网址需要使用HTTPS，如https://ca.wang-cai.com
- B、网站代码中，关于页面跳转时，不可使用http://

谢谢！