Server Certificate Preparation and Installation for Windows Server 2003
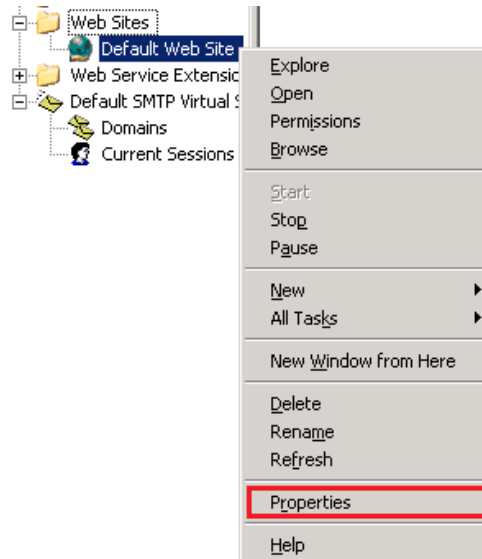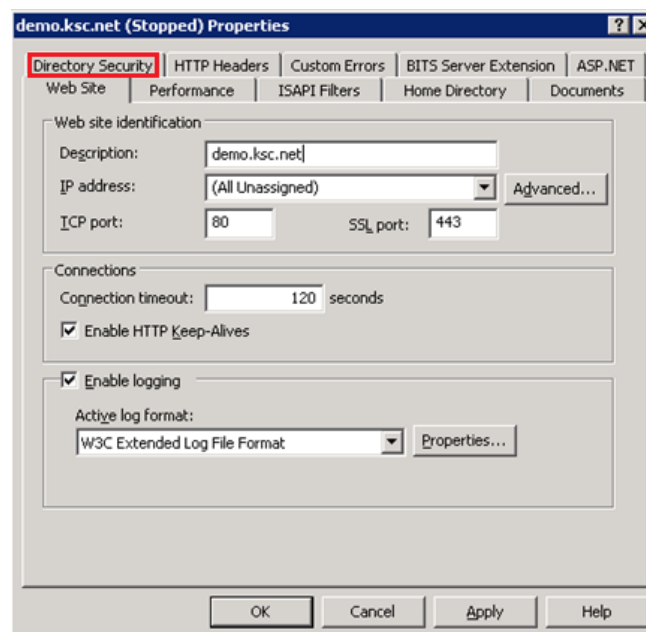
English Version: 1.0

STEP FOR WINDOWS SERVER 2003
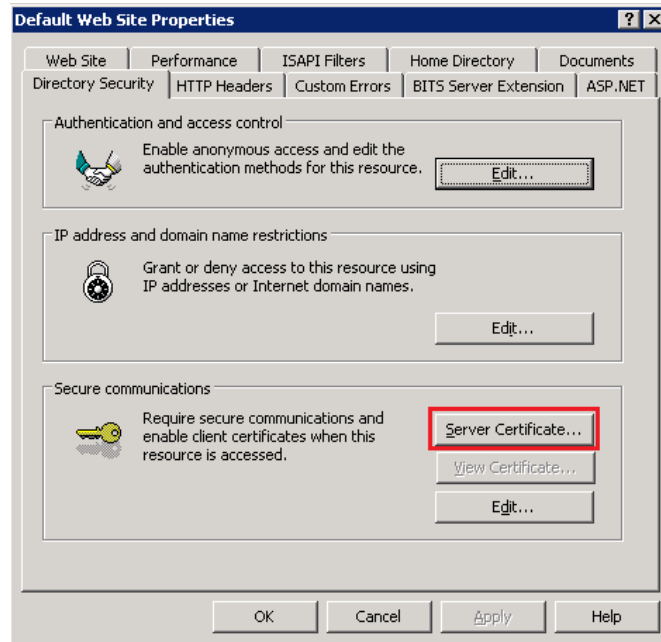
1. To generate CSR (Certificate Signed Request.)

1.1   In Internet Information Service (IIS), see **Web Sites** folder, right click on the website you would like to create the CSR (an example is Default Web Site.) Then select **"Properties"**.

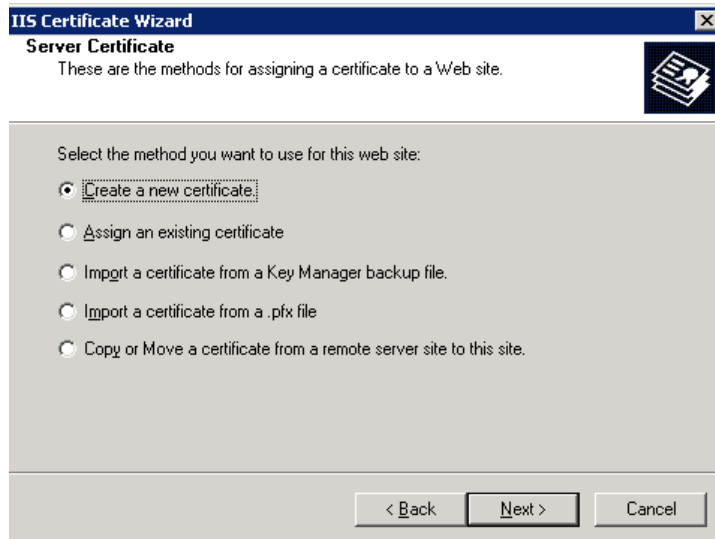1.2   Click **"Directory Security"** tab.

1.3   Under **Secure Communications** section, click **"Server Certificate"**.
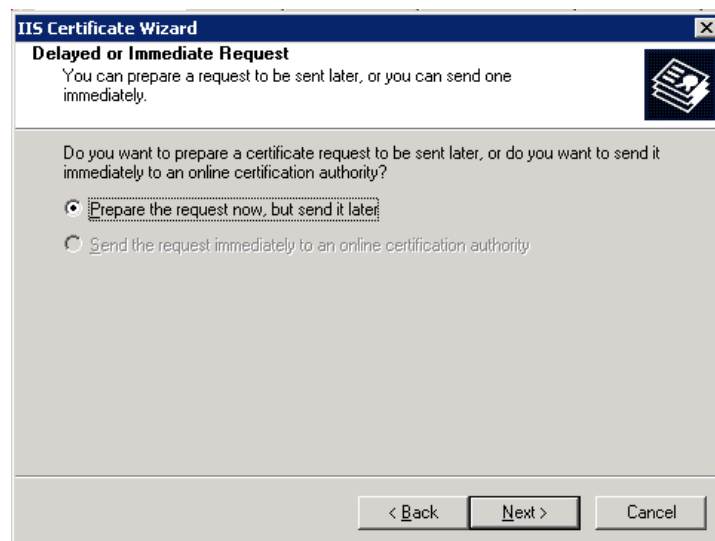

1.4   This will start **Web Server Certificate Wizard**. Click **"Next"** to continue.
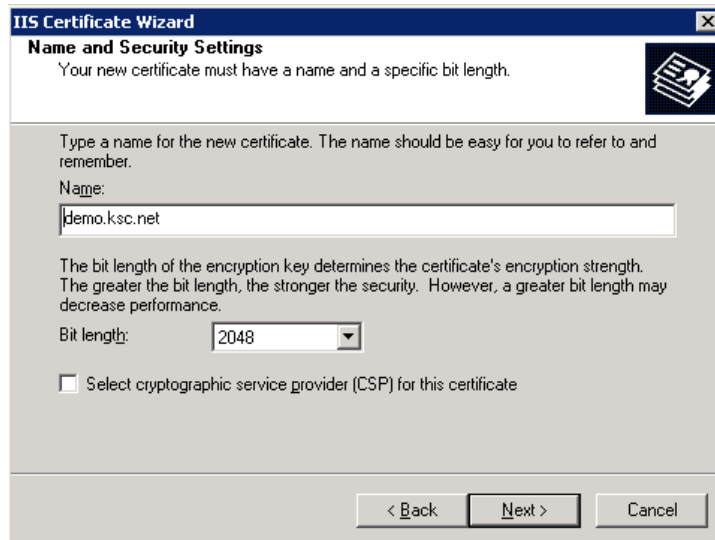
1.5   To create Certificate Signed Request, select **"Create a new Certificate"** option. Then click **"Next"**.

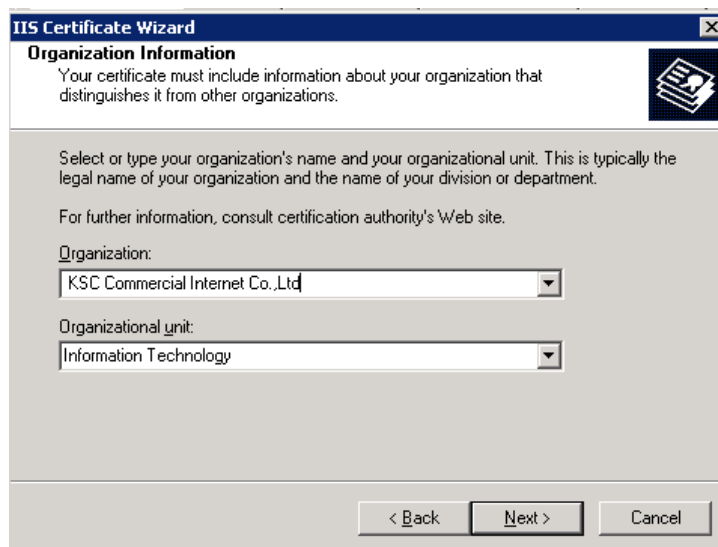1.6   Select **"Prepare the request now, but send it later"** option from the list. Then click **"Next"**.

1.7   Type a name for the Certificate (for reference in Windows Certificate system) in the space under **Name** topic. Choose Encryption Bit length in **Bit Length** topic which 2048 bits is the standard bit length. (Do not select "Select cryptographic service provider (CSP) for this certificate".) Then click **"Next"**.
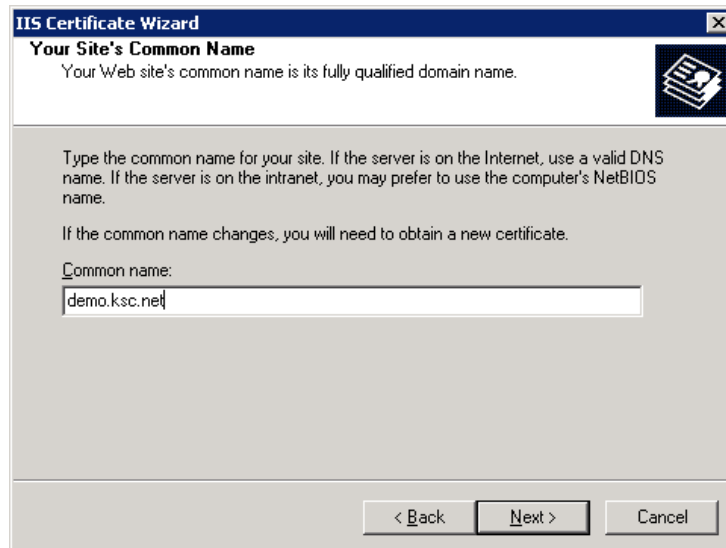

1.8   Enter your Organization Information under **Organization** and **Organizational unit** topic. Then click **"Next"**.
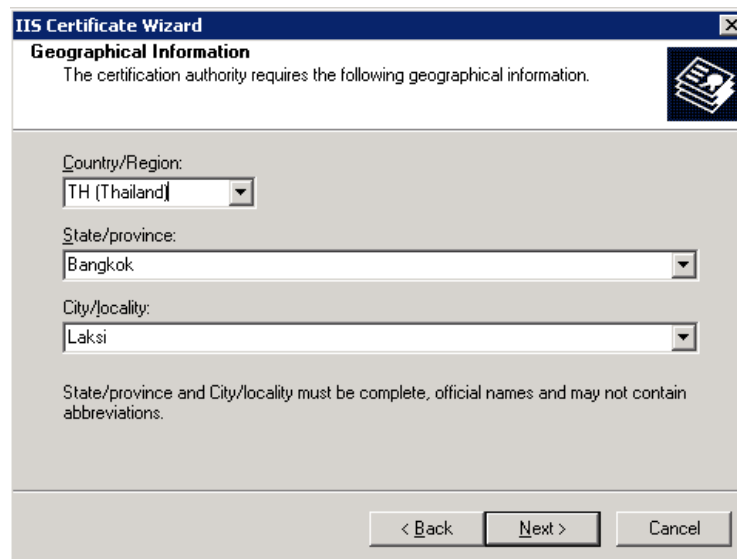
1.9   Under **Common Name** topic, enter the website name that you would like to apply for the Certificate. Then click **"Next"**.

Remark: Common name is the name that will be certified by CA (Certificate Authority) as the site that is registered to the certificate installed on that server. Usually, it is a 1:1 installation, except for the Wildcard and SAN (Subject Alternative Name) certificates that are needed to be carefully installed.

1.10   Enter your organization information used to register under **Country/Region**, **State/Province** and **City/Locality** topic. Then click **"Next"** to continue.

1.11 Enter the location of where you would like to save the file. Then click **"Next"**.
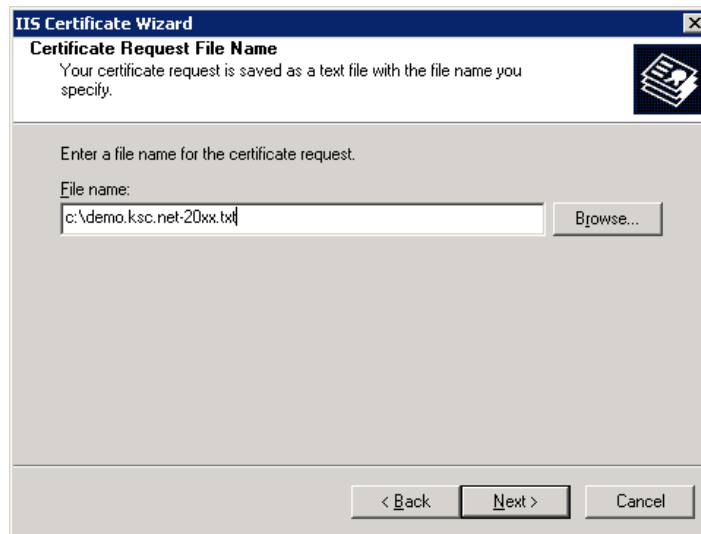
1.12 Check the correctness of the information. Click **"Next"** to continue. Then click **"Finish"** to close Web Server Certificate Wizard and finish CSR creation.
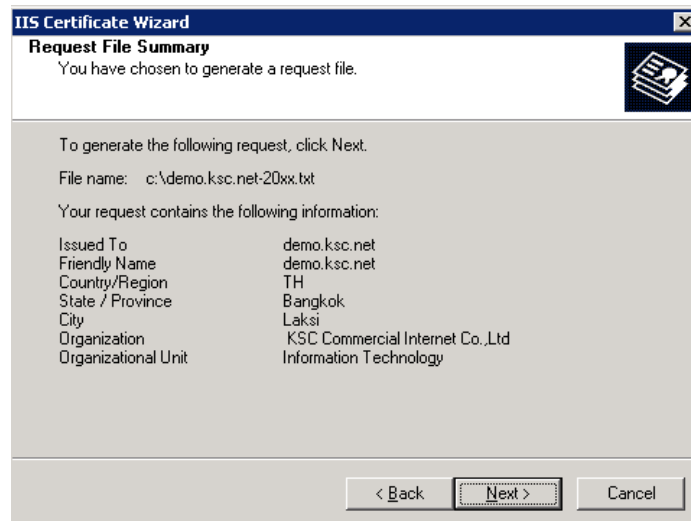
Example of CSR

```
-----BEGIN NEW CERTIFICATE REQUEST-----  << จะเริ่มด้วย Begin CSR
MIIEczCCA1sCAQAwgZIxCzAJBgNVBAYTAlRIMRAwDgYDVQQIEwdCYW5na29rMQ4w
DAYDVQQHEwVMYWtzaTEpMCcGA1UEChMgIEtTQyBDb21tZXJjaWFsIEludGVybmV0
IENvLixMdGQxHzAdBgNVBAsTFkluZm9ybWF0aW9uIFRlY2hub2xvZ3kxFTATBgNV
BAMTDGRlbW8ua3NjLm5ldDCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEB
AJ6tTjpi6REXNbKh0RD2IcJfbPfrLONSU3psqVP2XK3/+DS3Rw46ljene4tQA0FO
LWuYlo08zkay/qN1JFGOsHY5H16LmAdcU0YUVwVgVQj3kcXjJEunb4qvR0Gu1FSm
0vT1XSjMsglc5y81HrxsnwYSR145UyqV2stvEV3uaAQHzDykkl+S+TQg53pc1KYo
imUtuN7duUhlZ/b5jiyIOMuIEUhq3FlBlS9ghlzWZHM40RNhH6eE6d0HJANaWFO0
tFxbAbwhLR83gN854xVdHlHSaZp//0E5X3C9mNTMHkc/wYhZLVkdy1CPrbXpxxAb
e+hiuRPuOggI69t+sT6gmC8CAwEAAaCCAZkwGgYKKwYBBAGCNw0CAzEMFgo1LjIu
Mzc5MC4yMHsGCisGAQQBgjcCAQ4xbTBrMA4GA1UdDwEB/wQEAwIE8DBEBgkqhkiG
9w0BCQ8ENzA1MA4GCCqGSIb3DQMCAgIAgDAOBggqhkiG9w0DBAICAIAwBwYFKw4D
AgcwCgYIKoZIhvcNAwcwEwYDVR0lBAwwCgYIKwYBBQUHAwEwgf0GCisGAQQBgjcN
AgIxge4wgesCAQEeWgBNAGkAYwByAG8AcwBvAGYAdAAgAFIAUwBBACAAUwBDAGgA
YQBuAG4AZQBsACAAQwByAHkAcAB0AG8AZwByAGEAcABoAGkAYwAgAFAAcgBvAHYA
aQBkAGUAcgOBiQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAMA0GCSqGSIb3DQEBBQUAA4IBAQB+gA5C/sHtdqoV9mD3qmY4x6Nu+44e9z1/
PnYoBt9KTzI/FyY1CRlEb/Cs7zjTJ0bUDLCDQCTOXL0BuMg3BLnjtnRTjTEu18Tx
/p9DE5ho5mNBijjg6r6dFtPVwUxBAJ0588nBSWB6gDDVmj8G+x9eo5cn2UiEKgjM
Ehgl8bWAwSyQZLsouPnLcJVBipdZb/t1NlUOxfNFfsgEpK1AiWIxTY3i5A4korVN
n0/AeJuB8JG7sAgnr9cN53t26YsUjHKw1oYxUIM+oiGF6FHUiW98rTW4VEp40HrY
EQkMO5vObF9IqlBsCtcrSq8mTlpT6xxbcQR5mNvNybCPXgjSrMxS
-----END NEW CERTIFICATE REQUEST-----  << จะปิดด้วย END CSR
```
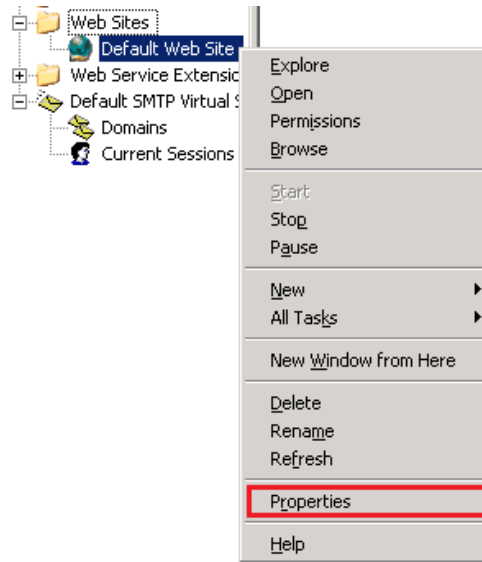
2. To install Certificate file.

2.1   In Internet Information Service (IIS), see **Web Sites** folder, right click on the website you would like to create the CSR (an example is Default Web Site.) Then select "**Properties**".

2.2   Click "**Directory Security**" tab.
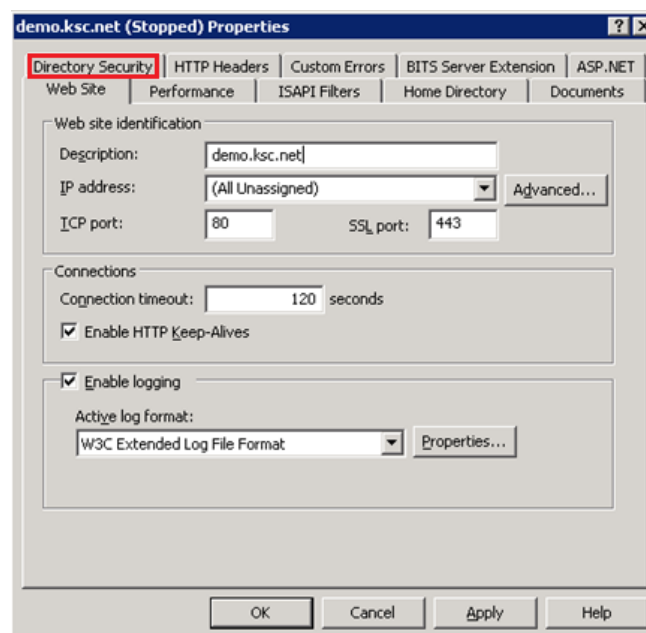
2.3 Under **Secure Communications** section, click **"Server Certificate"**.
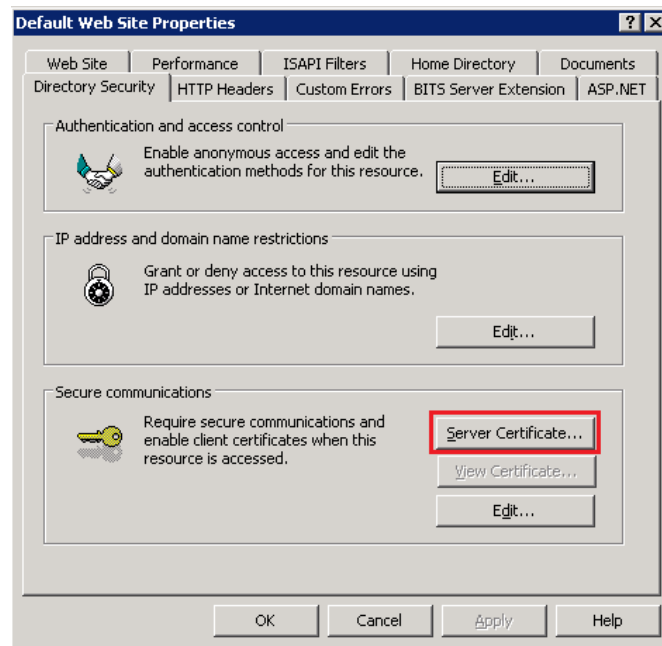
2.4 This will start **Web Server Certificate Wizard**. Click **"Next"** to continue.

2.5   Select **"Process the pending request and install the certificate"** option to install the Certificate file (or select **Delete the pending request** if you want to terminate the existing CSR.) then click **"Next"** to continue.
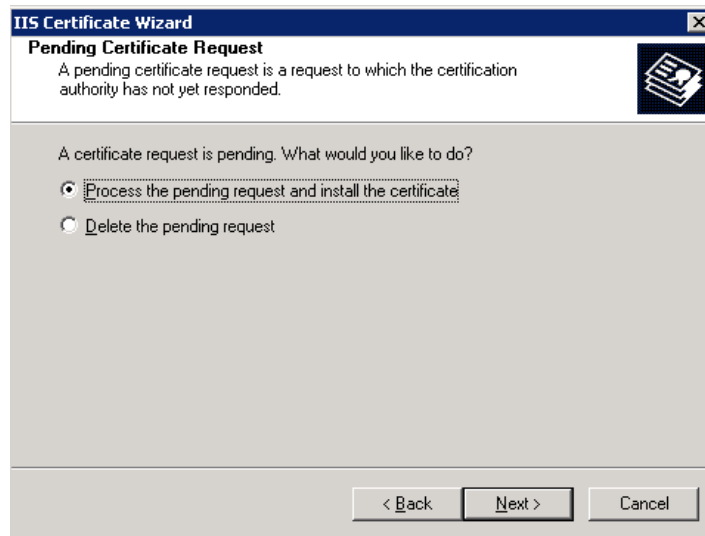
2.6   Under **Path and file name** topic, select the location of the certificate file then click **"Next"**.
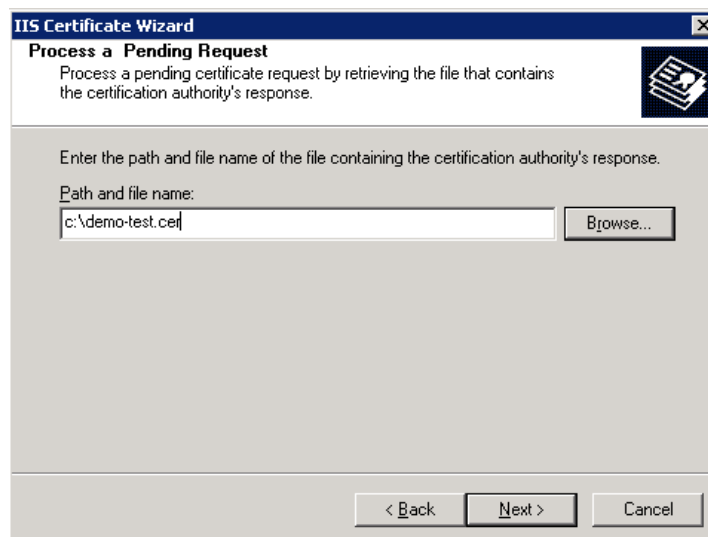
2.7   If the Certificate file is correct, you can select the SSL Port (the default port is
443.) Then click **"Next"** to continue.

```
IIS Certificate Wizard                                              ×
 SSL Port
    Specify the SSL port for this web site.


    SSL port this web site should use:
    443

                                    < Back    Next >    Cancel
```

2.8   Check the correctness of the information. Click **"Next"** to continue. Then click
"Finish" to close Web Server Certificate Wizard and finish CSR creation.
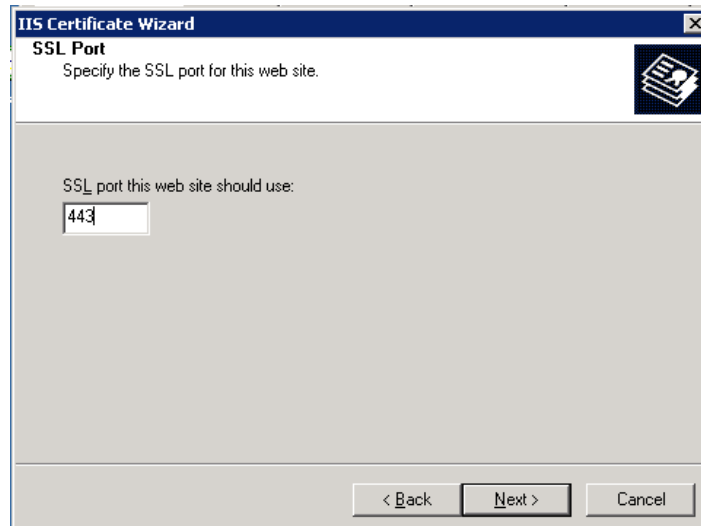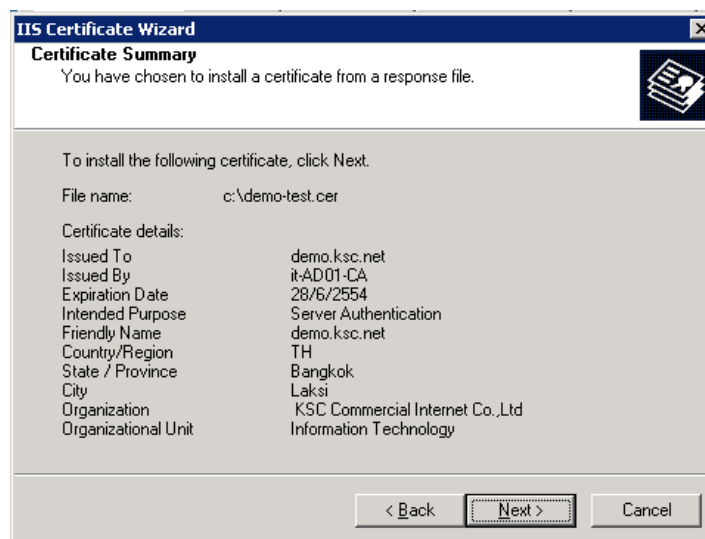
```
IIS Certificate Wizard                                              ×
 Certificate Summary
    You have chosen to install a certificate from a response file.


    To install the following certificate, click Next.

    File name:          c:\demo-test.cer

    Certificate details:
    Issued To              demo.ksc.net
    Issued By              it-AD01-CA
    Expiration Date        28/6/2554
    Intended Purpose       Server Authentication
    Friendly Name          demo.ksc.net
    Country/Region         TH
    State / Province       Bangkok
    City                   Laksi
    Organization           KSC Commercial Internet Co.,Ltd
    Organizational Unit    Information Technology

                                    < Back    Next >    Cancel
```

Remark: For some Certificate, you may need to install the Intermediate Certificate. You are recommended to read the information from CA carefully, or else, the Certificate might not work properly.