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Subject: How to sign server certificate with Active Directory Certificate Services

Ref:

<http://www.visualsvn.com/support/topic/00035/>

You can sign a VisualSVN Server certificate using Active Directory Certificate Services. This certificate will be automatically trusted by all computers in your domain. In order to issue a certificate, you are requested to:

* Prepare Certificate Signing Request (CSR) using the VisualSVN Server Manager.
* Sign a certificate using the Active Directory Certificate Services.
* Import the signed certificate using the VisualSVN Server Manager.

**Prepare Certificate Signing Request**

In order to prepare Certificate Signing Request, perform the following sequence of actions:

1. Open **VisualSVN Server Manager**.
2. Choose **Properties** context menu command for the root element.
3. Switch to the **Certificate** tab and press the **Change Certificate** button.
4. Choose the **Prepare certificate request** action.
5. Fill all required fields.
6. Save the prepared request in a file named **visualsvn.req**.

It's very important to configure correct value for the **Common name** field. *Common name* should exactly match the *domain name* part of the URL which is used to access your VisualSVN Server. For example, the *Common name* should be **server.example.com** if clients access the server using the https://**server.example.com**/svn/MyRepository/ URL.

**Sign a certificate**

In order to sign a certificate using the Active Directory Certificate Services it's recommended to use the standard [Certreq.exe](http://technet.microsoft.com/en-us/library/cc725793(WS.10).aspx) command-line tool:

1. Open an **elevated** command prompt with **domain administrative permissions**.
2. Execute the following command line

**certreq -submit -attrib "CertificateTemplate: WebServer" visualsvn.req visualsvn.cer**

1. Choose the **appropriate Certification Authority** in the dialog box and press the OK button.
2. If you have domain administrator access permissions, the issued certificate will be saved in a file named **visualsvn.cer**.

Please contact your system administrators if you do not have domain administrator access permissions.

**Import the signed certificate**

In order to import the signed certificate, perform the following sequence of actions:

1. Open **VisualSVN Server Manager**.
2. Choose **Properties** context menu command for the root element.
3. Switch to the **Certificate** tab and press the **Change Certificate** button.
4. Choose the **Complete certificate request** action.
5. Specify the path to the file **visualsvn.cer**, which contains the signed certificate.
6. Click the **Finish** button and **Apply** the changes.
7. The signed certificate will be imported and installed in your VisualSVN Server.