

# NPS Server Certificate: Configure the Template and Autoenrollment

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Applies To: Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2

You can use this procedure to configure the certificate template that Active Directory® Certificate Services (AD CS) uses as the basis for server certificates that are enrolled to servers running Network Policy Server (NPS).

Membership in both the **Enterprise Admins** and the **Domain Admins** group of the root domain is the minimum required to complete this procedure.

## To configure the certificate template and auto-enrollment

1. On the computer where Active Directory Certificate Services is installed, click **Start** , click **Run** , type **mmc** , and then click **OK** .
2. On the **File** menu, click **Add/Remove Snap-in** . The **Add or Remove Snap-ins** dialog box opens.
3. In **Available snap-ins** , double-click **Certification Authority** . Select the CA that you want to manage, and then click **Finish** . The **Certification Authority** dialog box closes, returning to the **Add or Remove Snap-ins** dialog box.
4. In **Available snap-ins** , double-click **Certificate Templates** , and then click **OK** .
5. In the console tree, click **Certificate Templates** . All of the certificate templates are displayed in the details pane.
6. In the details pane, click the **RAS and IAS Server** template.
7. On the **Action** menu, click **Duplicate Template** . In the **Duplicate Template** dialog box, select the template version appropriate for your deployment, and then click **OK** . The new template properties dialog box opens.
8. On the **General** tab, in **Display Name** , type a new name for the certificate template or keep the default name.
9. Click the **Security** tab. In **Group or user names** , click **RAS and IAS Servers** .
10. In **Permissions for RAS and IAS servers** , under **Allow** , select the **Enroll** and **Autoenroll** permission check boxes, and then click **OK** .
11. Double-click **Certification Authority** , double-click the CA name, and then click **Certificate Templates** . On the **Action** menu, point to **New** , and then click **Certificate Template to Issue** . The **Enable Certificate Templates** dialog box opens.
12. In **Enable Certificate Templates** , click the name of the certificate template you just configured, and then click **OK** . For example, if you did not change the default certificate template name, click **Copy of RAS and IAS Servers** , and then click **OK** .

13. On the computer where Active Directory Domain Services (AD DS) is installed, click **Start** , click **Run** , type **mmc** , and then click **OK** .
14. On the **File** menu, click **Add/Remove Snap-in** . The **Add or Remove Snap-ins** dialog box opens.
15. In **Available snap-ins** , double-click **Group Policy Management Editor** . The **Select Group Policy Object** wizard opens. Click **Browse** , and then select the **Default Domain Policy** . Click **OK** , click **Finish** , and then click **OK** again.
16. Double-click **Default Domain Policy** . Open **Computer Configuration** , **Policies** , **Windows Settings** , **Security Settings** , and then select **Public Key Policies** .
17. In the details pane, double-click **Certificate Services Client - Auto-Enrollment** . The **Certificate Services Client - Auto-Enrollment Properties** dialog box opens.
18. In the **Certificate Services Client - Auto-Enrollment Properties** dialog box, in **Configuration Model** , select **Enabled** .
19. Select the **Renew expired certificates, update pending certificates, and remove revoked certificates** check box.
20. Select the **Update certificates that use certificate templates** check box, and then click **OK** .

### **Additional considerations**

After you complete this procedure, servers running NPS automatically enroll a server certificate when Group Policy is refreshed. To refresh Group Policy, restart the server or, at the command prompt, run **gpupdate** .