

## Re: Windows Advanced Server 2000 PKI

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**From:** DarrenC [MS] ([darrenc@online.microsoft.com](mailto:darrenc@online.microsoft.com))

**Date:** 03/12/03

From: "DarrenC [MS]" <[darrenc@online.microsoft.com](mailto:darrenc@online.microsoft.com)>

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Without getting into the specifics of your network topology, use the following as a rough guideline for installing a Windows 2000 Enterprise or Stand Alone Certificate Authority (CA) in the Active Directory (AD):

1) Install first Domain Controller (DC)

- If installing DNS during DC promotion, be sure that the server has a statically assigned IP address before invoking dcpromo.exe.
- install or reconfigure your DHCP server accordingly

2) Join Windows 2000 member server to new domain and install Enterprise or Stand Alone CA

Windows 2000 CA in the AD has two different distinct modes of operation: (you can obtain more detailed information about these differences in the online OS help):

A) Stand Alone Root or Subordinate – supports html form based web enrollment via Internet Information Services (IIS).

B) Enterprise Root or Subordinate -- supports certificate template based enrollment via: web enrollment, machine auto enrollment, Microsoft Management Console (mmc.exe) user and machine enrollment. Also supports Smart card user authentication / logon.

BTW: Use Active Directory Sites and Services mmc console for administration of the Windows 2000 Certificate Templates -- (Click: View --> Show Services Node)

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Regards,

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"life" <[yvvv\\_edc@yahoo.com](mailto:yvvv_edc@yahoo.com)> wrote in message

news:004b01c2e84f\$d72dd240\$a001280a@phx.gbl...

> I'm trying to setup PKI/Certificate Services on Windows  
> Advanced Server 2000. Once set-up, I'd like to know how I  
> can test it to be running.

>

> The scenario:

> We would like to setup PKI having server2 as the  
> certificate authority. This server runs Windows 2000

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> Advanced Server.  
>  
> I have another Windows Advanced Server 2000 (let's call it server1) where I have installed Domino 6...both servers are on the same network in a peer-to-peer set-up (using a work group).  
>  
> Another client PC is running XP. All PCs are located on the same internal network sharing a common internet connection shared through a router.  
>  
> The router issues dynamic IPs (DHCP).  
>  
> Since I wanted to setup Certificate Services, I was asked to setup Active Directory Services first which in turn wanted me to set-up DNS first. I tried installing DNS through the wizard. While our company has a publicly known domain which is hosted by a third party, outside of the site where I'm configuring the new Primary Domain Controller, I chose a different domain name for the internal network, say internaldomainname. Unfortunately, the DNS installation have taken so long and we had to cancel. Active Directory seem to have been installed, though. But the installation's task bar never got to finish causing the server to hang. I've been reviewing the event viewer and the latest problem.  
>  
> I'm trying to bring back server2 to the original state but am encountering DCOM problems which was supposed to have been disabled (ran dcomcfg; checkbox for default settings has been unchecked).  
>  
> Note that RAM of the server is 512KB and running Windows 2000 Advanced Server.  
>  
> Can you please advise how to go about starting in a more stable slate and configuring PKI? How can I test if the Certificate Services have been setup properly?  
>  
> I'd appreciate any help you can extend.  
>  
> THanks,  
>  
> life