

Add-Computer

Add the local computer to a domain or workgroup.

Syntax

Parameter Set: Domain

```
Add-Computer [-DomainName] <String> -Credential <PSCredential> [-ComputerName <String[]> ] [-Force] [-InformationAction <System.Management.Automation.ActionPreference> {SilentlyContinue | Stop | Continue | Inquire | Ignore | Suspend} ] [-InformationVariable <System.String> ] [-LocalCredential <PSCredential> ] [-NewName <String> ] [-Options <JoinOptions> {AccountCreate | Win9XUpgrade | UnsecuredJoin | PasswordPass | DeferSPNSet | JoinWithNewName | JoinReadOnly | InstallInvoke} ] [-OUPath <String> ] [-PassThru] [-Restart] [-Server <String> ] [-UnjoinDomainCredential <PSCredential> ] [-Unsecure] [-Confirm] [-WhatIf] [ <CommonParameters>]
```

Parameter Set: Workgroup

```
Add-Computer [-WorkgroupName] <String> [-ComputerName <String[]> ] [-Credential <PSCredential> ] [-Force] [-InformationAction <System.Management.Automation.ActionPreference> {SilentlyContinue | Stop | Continue | Inquire | Ignore | Suspend} ] [-InformationVariable <System.String> ] [-LocalCredential <PSCredential> ] [-NewName <String> ] [-PassThru] [-Restart] [-Confirm] [-WhatIf] [ <CommonParameters>]
```

The **Add-Computer** cmdlet adds the local computer or remote computers to a domain or workgroup, or moves them from one domain to another. It also creates a domain account if the computer is added to the domain without an account.

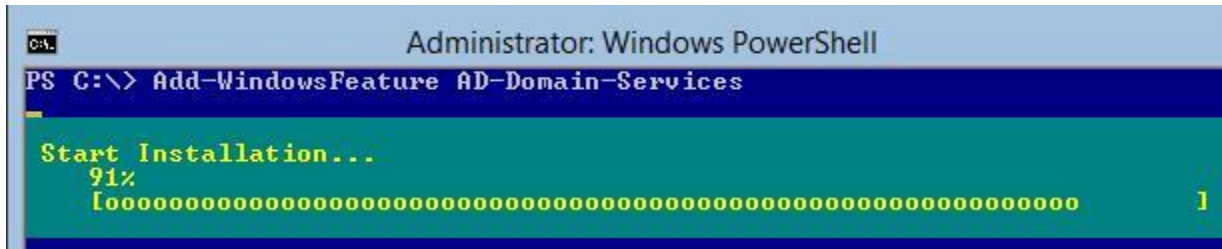
Add an Additional Domain controller

Recently, I decided to add a second domain controller to my mikefrobbins.com domain. The existing server and this new server that will become a domain controller both run the Microsoft Windows Server 2012 operating system and both were installed with the default installation type of server core (no GUI).

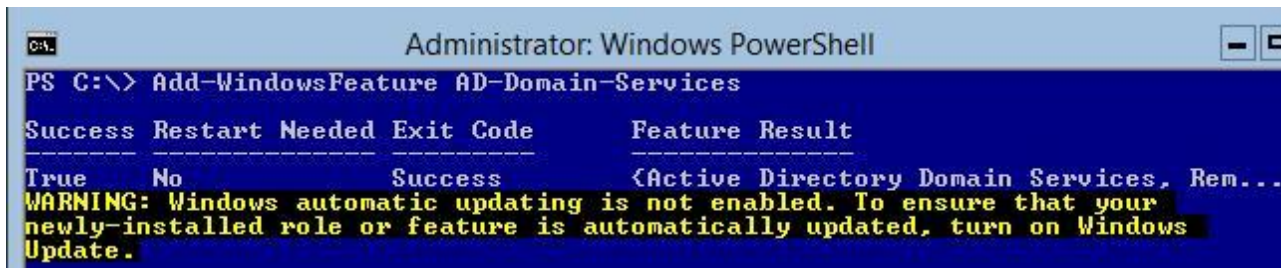
You've already loaded the base operating system, added it to the domain, and configured the server as per your organization's standards. Log into the new server you want to add as an additional domain controller and launch PowerShell by typing "powershell.exe". You'll need to first add the AD-Domain-Services role to the server:



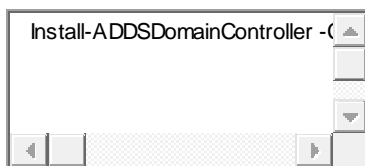
1 Add-WindowsFeature AD-Domain-Services



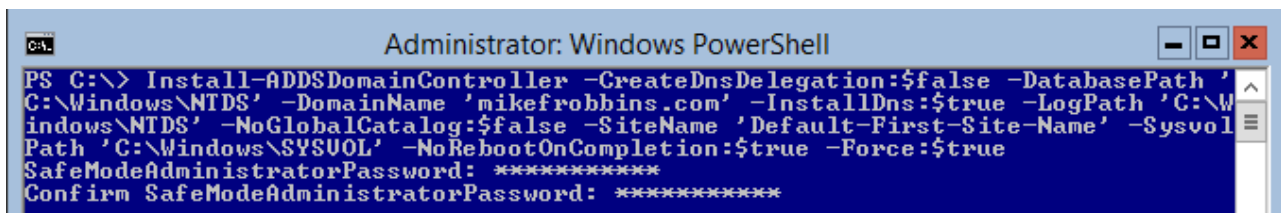
The installation of this role completes and a restart is not required:



Now to make this server an additional domain controller in the mikefrobbins.com domain:



1 **Install-ADDSDomainController** -CreateDnsDelegation:\$false -DatabasePath 'C:\Windows\NTDS' -DomainName 'mikefrobbins.com' -InstallDns:\$true -LogPath 'C:\Windows\NTDS' -NoGlobalCatalog:\$false -SiteName 'Default-First-Site-Name' -SysvolPath 'C:\Windows\SYSVOL' -NoRebootOnCompletion:\$true -Force:\$true



The installation will go through several steps:

```
Administrator: Windows PowerShell
<http://go.microsoft.com/fwlink/?LinkId=104751>.

Install-ADDSDomainController
  Determining replication source DC
  Validating environment and user input
    All tests completed successfully
    |
  Installing new domain controller
  Waiting for DNS installation to finish

that prevents weaker cryptography algorithms when establishing security channel
sessions.

For more information about this setting, see Knowledge Base article 942564
<http://go.microsoft.com/fwlink/?LinkId=104751>.

WARNING: A delegation for this DNS server cannot be created because the
authoritative parent zone cannot be found or it does not run Windows DNS
server. If you are integrating with an existing DNS infrastructure, you should
manually create a delegation to this DNS server in the parent zone to ensure
reliable name resolution from outside the domain "mikefrobbins.com". Otherwise,
no action is required.
```

A restart is required when the installation is complete:

```
Administrator: Windows PowerShell
PS C:\> Install-ADDSDomainController -CreateDnsDelegation:$false -DatabasePath 'C:\Windows\NTDS' -DomainName 'mikefrobbins.com' -InstallDns:$true -LogPath 'C:\Windows\NTDS' -NoGlobalCatalog:$false -SiteName 'Default-First-Site-Name' -SysvolPath 'C:\Windows\SYSVOL' -NoRebootOnCompletion:$true -Force:$true
SafeModeAdministratorPassword: *****
Confirm SafeModeAdministratorPassword: *****
WARNING: Windows Server 2012 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.

For more information about this setting, see Knowledge Base article 942564 (http://go.microsoft.com/fwlink/?LinkId=104751).

WARNING: A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found or it does not run Windows DNS server. If you are integrating with an existing DNS infrastructure, you should manually create a delegation to this DNS server in the parent zone to ensure reliable name resolution from outside the domain "mikefrobbins.com". Otherwise, no action is required.

WARNING: Windows Server 2012 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.

For more information about this setting, see Knowledge Base article 942564 (http://go.microsoft.com/fwlink/?LinkId=104751).

WARNING: A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found or it does not run Windows DNS server. If you are integrating with an existing DNS infrastructure, you should manually create a delegation to this DNS server in the parent zone to ensure reliable name resolution from outside the domain "mikefrobbins.com". Otherwise, no action is required.

Message                Context                RebootRequired        Status
-----                -
You must restart...    DCPromo.General.2    True                   Success

PS C:\>
```