

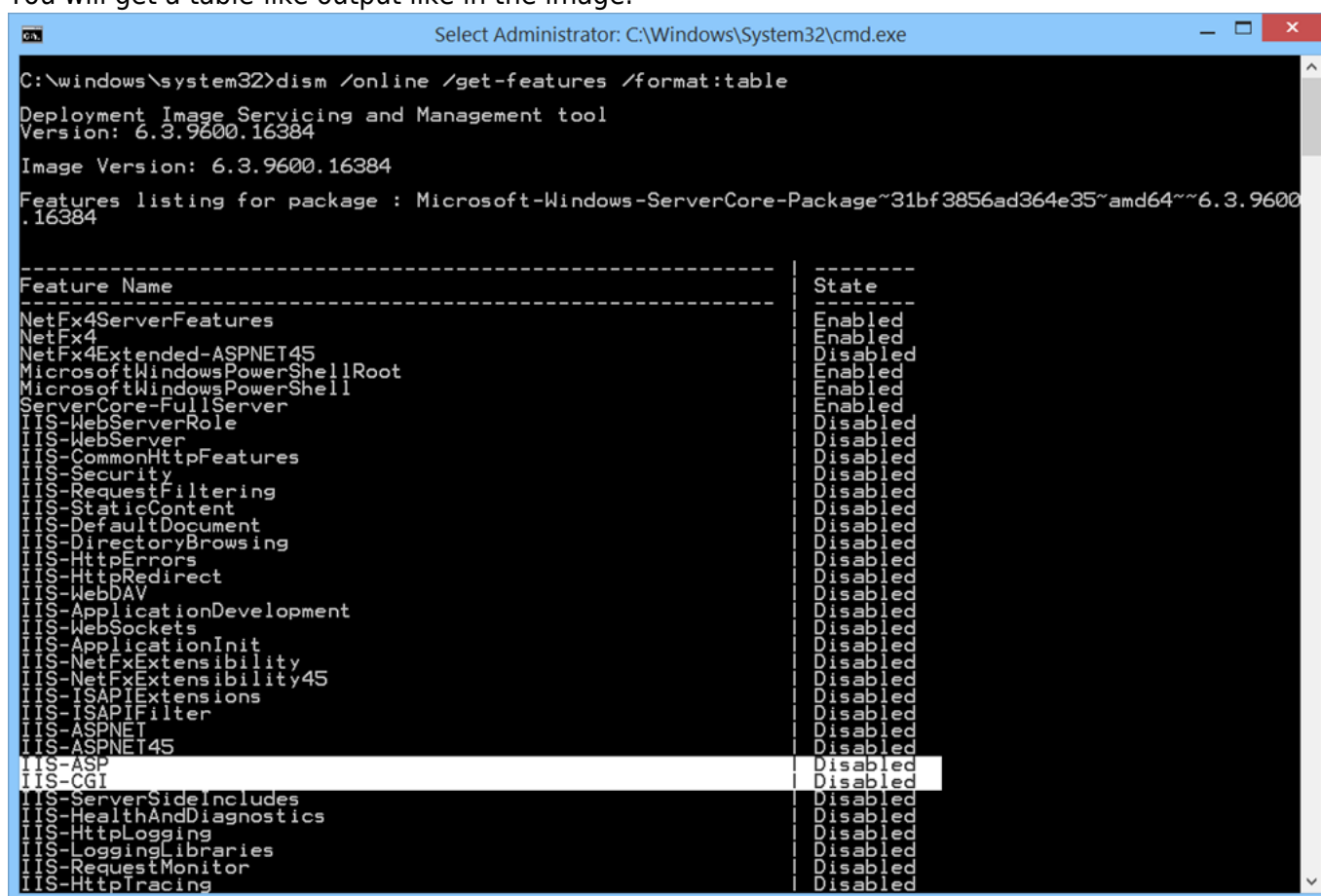
# Enable and disable Windows Features on Server 2012 R2 Core

So, you have installed Windows Server 2012 R2 Core and are determined to manage it without using any GUI tools. Very enthusiastic. I'd prefer to use Server Manager from a remote machine, but what the hell. Hit the keyboard.

The first thing to do is to list available features and their current state by using the 'dism' command. The output also reveals the precise feature names.

```
dism /online /get-features /format:table
```

You will get a table-like output like in the image:



```
C:\windows\system32>dism /online /get-features /format:table
Deployment Image Servicing and Management tool
Version: 6.3.9600.16384
Image Version: 6.3.9600.16384
Features listing for package : Microsoft-Windows-ServerCore-Package~31bf3856ad364e35~amd64~~6.3.9600.16384
-----
Feature Name                                     State
-----
NetFx4ServerFeatures                           Enabled
NetFx4                                           Enabled
NetFx4Extended-ASPNET45                        Disabled
MicrosoftWindowsPowerShellRoot                Enabled
MicrosoftWindowsPowerShell                    Enabled
ServerCore-FullServer                          Enabled
IIS-WebServerRole                              Disabled
IIS-WebServer                                  Disabled
IIS-CommonHttpFeatures                        Disabled
IIS-Security                                  Disabled
IIS-RequestFiltering                          Disabled
IIS-StaticContent                             Disabled
IIS-DefaultDocument                           Disabled
IIS-DirectoryBrowsing                         Disabled
IIS-HttpErrors                                Disabled
IIS-HttpRedirect                              Disabled
IIS-WebDAV                                    Disabled
IIS-ApplicationDevelopment                    Disabled
IIS-WebSockets                                Disabled
IIS-ApplicationInit                           Disabled
IIS-NetFxExtensibility                         Disabled
IIS-NetFxExtensibility45                       Disabled
IIS-ISAPIExtensions                           Disabled
IIS-ISAPIFilter                               Disabled
IIS-ASPNET                                    Disabled
IIS-ASPNET45                                  Disabled
IIS-ASP                                         Disabled
IIS-CGI                                        Disabled
IIS-ServerSideIncludes                        Disabled
IIS-HealthAndDiagnostics                      Disabled
IIS-HttpLogging                               Disabled
IIS-LoggingLibraries                          Disabled
IIS-RequestMonitor                            Disabled
IIS-HttpTracing                               Disabled
```

For additional feature information, use (eg. for SmbDirect)

```
Dism /online /get-featureInfo /featureName:SmbDirect
```

To list installed packets, use:

```
dism /online /get-packages /format:table
```

You will get table-like output like in the image:

```
Administrator: C:\Windows\System32\cmd.exe
C:\windows\system32>dism /online /get-packages /format:table
Deployment Image Servicing and Management tool
Version: 6.3.9600.16384
Image Version: 6.3.9600.16384
Packages listing:

-----
Package Identity                                     State      Release Type      Install Time
-----
Microsoft-Windows-Server-LanguagePack-Package~31bf3856ad364e35~amd64~en-US~6.3.9600.16384  Installed  Language Pack     8/22/2013 4:05 PM
Microsoft-Windows-ServerCore-FullServer-Package~31bf3856ad364e35~amd64~6.3.9600.16384      Installed  Feature Pack      8/22/2013 2:49 PM
Microsoft-Windows-ServerCore-Package~31bf3856ad364e35~amd64~6.3.9600.16384              Installed  Foundation        8/22/2013 2:49 PM
Microsoft-Windows-ServerCore-SKU-Foundation-Package~31bf3856ad364e35~amd64~6.3.9600.16384    Installed  Feature Pack      8/22/2013 2:49 PM
Package_for_KB2883200~31bf3856ad364e35~amd64~6.3.1.0                                Installed  Update            11/4/2013 4:03 AM
Package_for_KB2884101~31bf3856ad364e35~amd64~6.3.1.9                                Installed  Update            11/4/2013 3:42 PM
Package_for_KB2884846~31bf3856ad364e35~amd64~6.3.1.4                                Installed  Update            11/4/2013 3:42 PM
Package_for_KB2886439~31bf3856ad364e35~amd64~6.3.1.0                                Installed  Update            11/26/2013 4:03 AM
Package_for_KB2894029~31bf3856ad364e35~amd64~6.3.1.0                                Installed  Update            11/4/2013 3:42 PM
Package_for_KB2894173~31bf3856ad364e35~amd64~6.3.1.0                                Installed  Update            11/4/2013 3:42 PM
Package_for_KB2896742~31bf3856ad364e35~amd64~6.3.1.0                                Installed  Update            11/4/2013 3:34 PM
Package_for_KB2901549~31bf3856ad364e35~amd64~6.3.1.0                                Installed  Update            11/4/2013 4:05 PM
Package_for_KB2902892~31bf3856ad364e35~amd64~6.3.1.0                                Installed  Update            11/4/2013 3:42 PM

The operation completed successfully.
C:\windows\system32>_
```

For additional feature information, use (eg. for  
Package\_for\_KB2995004~31bf3856ad364e35~amd64~~6.3.1.0):

```
dism /online /get-packageinfo
/packageName:Package_for_KB2995004~31bf3856ad364e35~amd64~~6.3.1.0
```

To enable or disable features, use (eg. for SmbDirect):

```
Dism /online /enable-feature /featurename:SmbDirect
Dism /online /disable-feature /featurename:SmbDirect
```

Multiple /featureName arguments can be used if the features are components in the same parent package. Add /remove to remove the payloads without removing the feature's manifest from the image. Once the payload is removed, a feature will have the status, 'Disabled with Payload Removed.' and can be restored and enabled using /Enable-Feature with the /Source option.

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