



MICROSOFT WINDOWS 2008 © CORE SERVER COMMANDS

Version 1.2

A collection of useful commands for the basic configuration of a Windows 2008 Core Server installation

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Preface

This document is a collection of commands and settings I found very useful. I noticed that when installing a Windows 2008 core server, there is no real procedure or documentation to follow on how to configure the Windows 2008 Core server after the installation is completed.

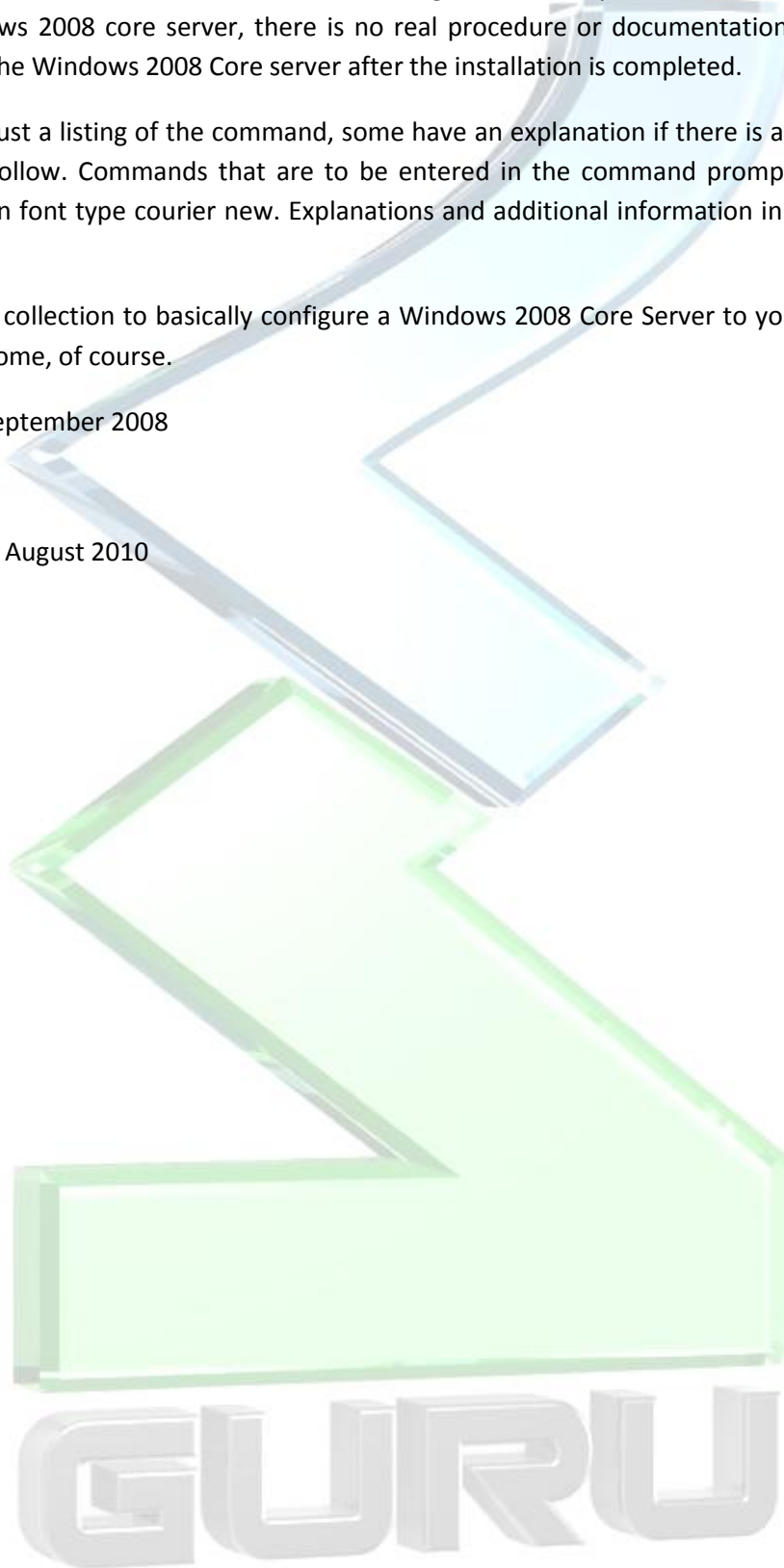
Some entries are just a listing of the command, some have an explanation if there is a procedure or specific route to follow. Commands that are to be entered in the command prompt window are generally written in font type courier new. Explanations and additional information in the font type Arial.

This is just a small collection to basically configure a Windows 2008 Core Server to your needs. Any additions are welcome, of course.

Alex Muetstege, September 2008

Reviewed

Alex Muetstege, 9 August 2010



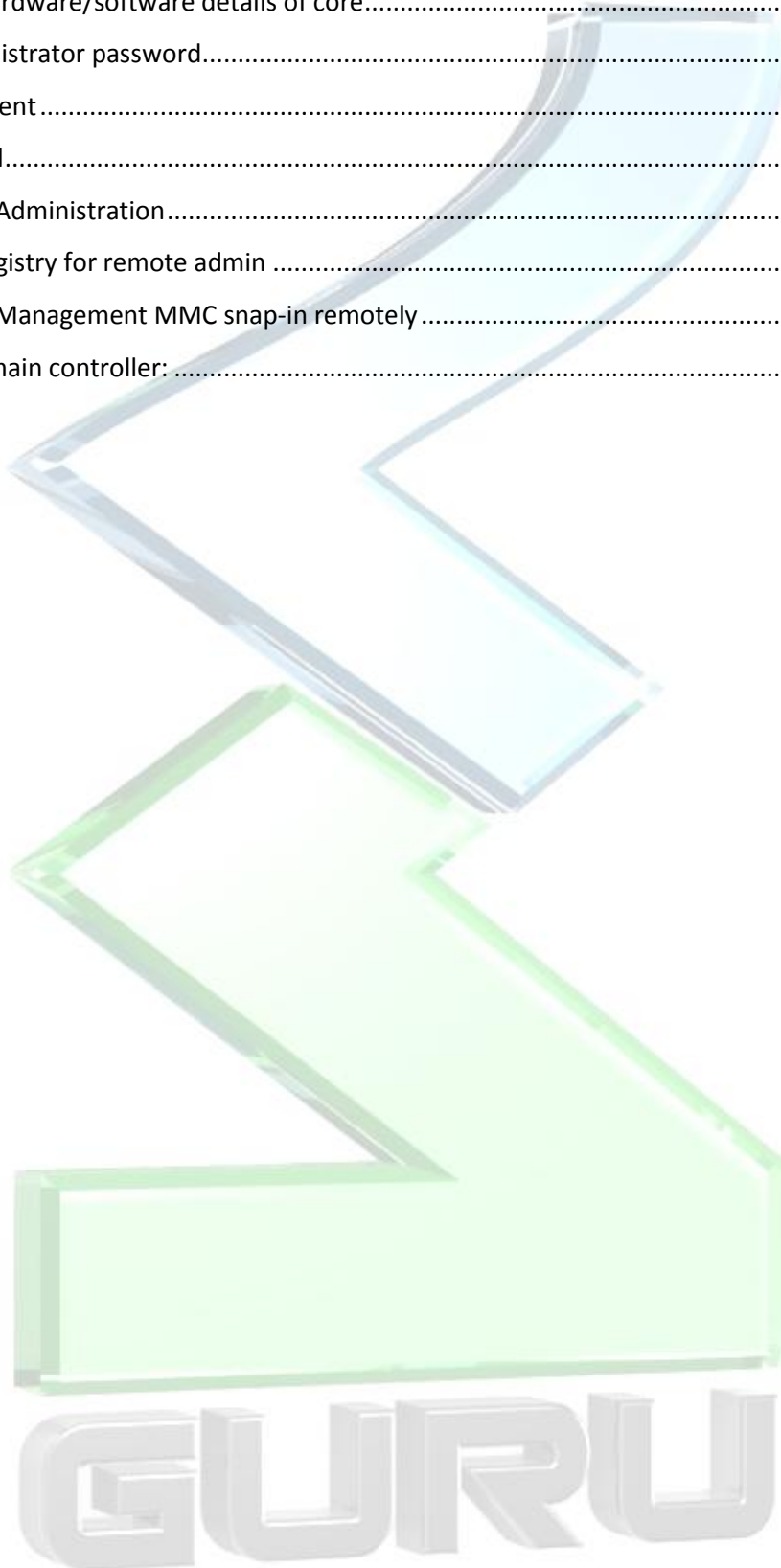


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Network Management

To set the server with a static IP address

1. At a command prompt, type the following:

```
netsh interface ipv4 show interfaces
```
2. Look at the number shown in the *Idx* column of the output for your network adapter. If your computer has more than one network adapter, make a note of the number corresponding to the network adapter for which you wish to set a static IP address.
3. At the command prompt, type:

```
netsh interface ipv4 set address name="<ID>" source=static  
address=<StaticIP> mask=<SubnetMask> gateway=<DefaultGateway>
```

- *ID* is the number from step 2 above
- *StaticIP* is the static IP address that you are setting
- *SubnetMask* is the subnet mask for the IP address
- *DefaultGateway* is the default gateway

4. At the command prompt, type:

```
netsh interface ipv4 add dnsserver name="<ID>" address=<DNSIP>  
index=1
```

- *ID* is the number from step 2 above
 - *DNSIP* is the IP address of your DNS server
5. Repeat step 4 for each DNS server that you want to set, incrementing the *index=* number each time
 6. Verify by typing `ipconfig /all` and checking that all the addresses are correct.

Change the name of the network interface

```
Netsh int set interface name = "Local Area Connection" newname =  
"LAN"
```

Setting the network interface to DHCP

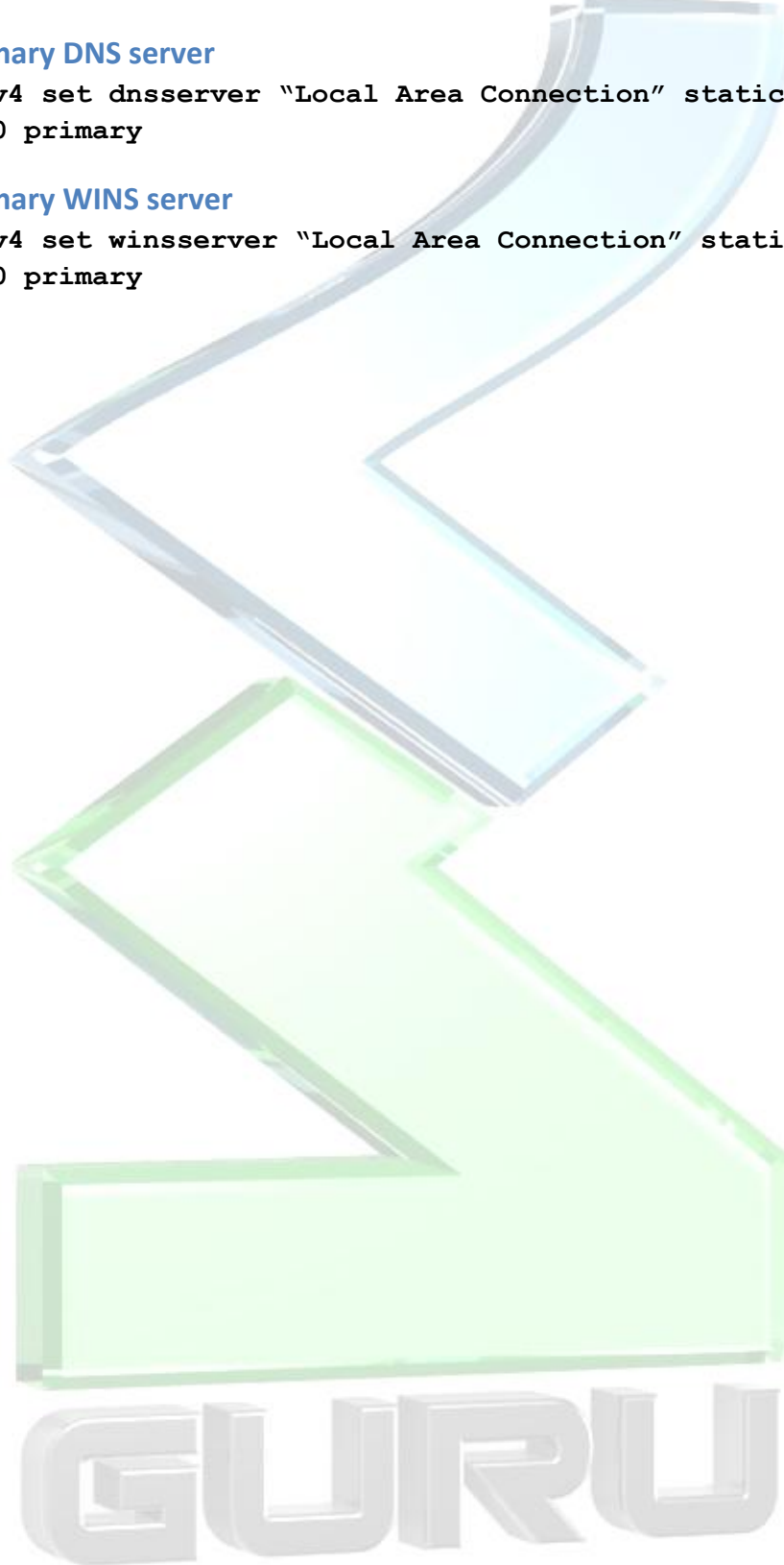
```
Netsh int ipv4 set address "Local Area Connection" source=dhcp
```

Setting the primary DNS server

```
Netsh int ipv4 set dnsserver "Local Area Connection" static  
192.168.1.200 primary
```

Setting the primary WINS server

```
Netsh int ipv4 set winsserver "Local Area Connection" static  
192.168.1.200 primary
```



Basic Config

Determining the computer name

1. `set c`
2. `ipconfig /all`
3. `systeminfo`

To activate Windows

```
Cscript c:\windows\system32\slmgr.vbs -ato
```

Disable Error reporting

```
serverWerOptin /disable
```

Rename the Server Core computer

Domain joined

```
Netdom renamecomputer %computername% /NewName:new-name  
/UserD:domain-username /PasswordD:*
```

Not domain joined

```
Netdom renamecomputer %computername% /NewName:new-name
```

Changing workgroups

```
Wmic computersystem where name="<computer name>"  
call joindomainorworkgroup name="<new workgroup name>"
```

Joining a domain

```
netdom add <newcomputername> /domain:<domainname>  
/userd:Administrator /passwordd:*
```

Removing from a domain

```
netdom remove
```

then reboot

Install a role or optional feature

```
Start /w Ocsetup <packagename>
```

Note: For Active Directory, run Dcpromo

View role and optional feature package names and current installation state

```
oclist
```

Start task manager hot-key

<ctrl> + <shift> + <esc>

Logoff of a Terminal Services session

Logoff

VMware Tools on Server Core

first mount the VMware Tools ISO by selecting the "Install VMware Tools" option, then enter the following command where d: is your CD-ROM drive:

```
msiexec /i d:\VMware Tools.msi /qn
```

Important: The server will reboot unasked after the installation

To set the pagefile size

Disable system pagefile management

```
wmic computersystem where name="<computername>" set AutomaticManagedPagefile=False
```

Configure the pagefile

```
wmic pagefileset where name="C:\\pagefile.sys" set InitialSize=500,MaximumSize=1000
```

Manually installing a management tool or agent

```
Msiexec.exe /i <msipackage>
```

List installed msi applications

```
wmic
```

Enter 'product' at the commandline

('quit' closes the wmic prompt)

Uninstall msi applications

```
Wmic product get name /value
```

```
Wmic product where name="<name>" call uninstall
```

To list installed drivers

```
Sc query type= driver
```

Installing a driver that is not included

Copy the driver files to Server Core

```
Pnputil -i -a <path>\<driver>.inf
```

Determining a file's version

```
wmic datafile where name="d:\\windows\\system32\\ntdll.dll" get version
```

List of installed patches

```
wmic qfe list
```

Installing a patch

```
Wusa.exe <patchname>.msu /quiet
```

To enable automatic updates

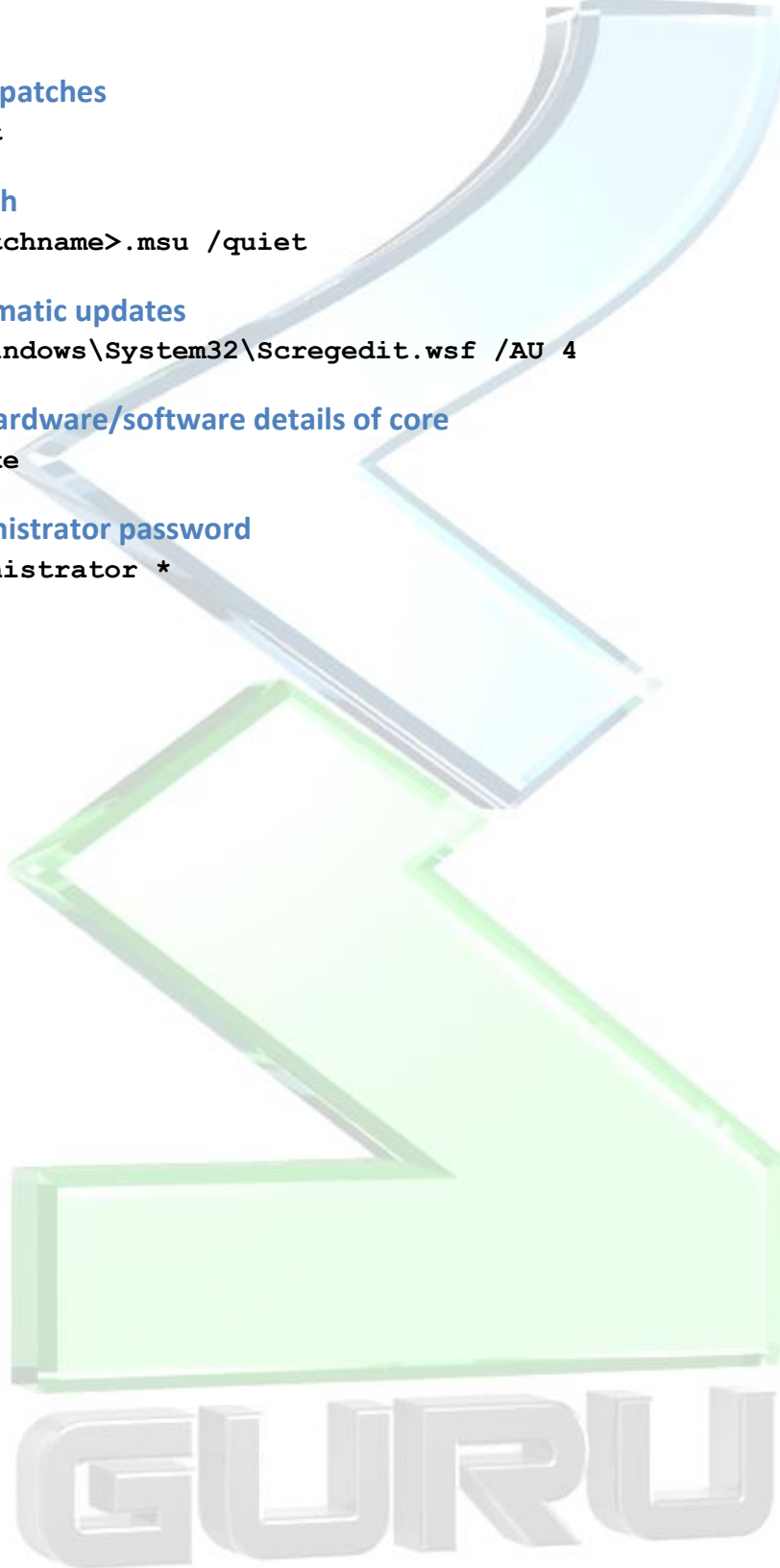
```
cscript C:\\Windows\\System32\\Scregedit.wsf /AU 4
```

To view main hardware/software details of core

```
Systeminfo.exe
```

Reset the administrator password

```
Net use administrator *
```



Remote Management

Manage Firewall

```
Netsh firewall set opmode enable
```

```
Netsh firewall set opmode disable
```

Enable Remote Administration

```
Netsh firewall set service remotedadmin enable
```

To set up the registry for remote admin

```
Cscript C:\Windows\System32\ Scregedit.wsf /ar 0
```

If you are using an older version of TS client, then you need to drop the security levels on core

```
cscript C:\Windows\System32\Scregedit.wsf /cs 0
```

To use the Disk Management MMC snap-in remotely

```
Net start vds
```



Configuring as domain controller:

Rename Host: `Netdom renamecomputer <OldName> /NewName:<NewName>`

Set static IP: `netsh int ip set address "Local Area Connection" static 192.168.0.210 255.255.255.0 192.168.0.1 1`

Install DNS Role: `start /w ocsetup DNS-Server-Core-Role`

Set DNS: `Netsh interface ipv4 add dnsserver name="<idxname>" address=<IP Address> index = 1`

Create New Domain: `dcpromo /unattend:c:\unattend.txt`

Create this 'Unattend.txt' using notepad where the Unattend.txt at least needs to contain the following information for a successful promotion to domain controller (replace the values between the brackets (<>)) with your own desired values):

```
[DCINSTALL]
AutoConfigDNS=Yes
DomainNetBiosName=<NetbiosName>
NewDomainDNSName=<FQDN>
ReplicaOrNewDomain=Domain
NewDomain=Forest
ForestLevel=3
DomainLevel=3
SafeModeAdminPassword=<password>
RebootOnCompletion=Yes
```

