Commandline

Process Information

`tasklist`	List all processes currently running
`tasklist /m`	List all processes currently running and the DLLs each has loaded
`tasklist /m [dll]`	Lists all processes currently running which have the specified [dll] loaded
`tasklist /svc`	List all processes currently running and the services hosted in those processes
`sc query`	Query brief status of all services
`sc qc [ServiceName]`	Query the configuration of a specific service
`taskkill <task>`	

File handling

`dir`	
`copy`	
`move`	
`del`	
`type`	
`more`	
`fc`	compare two files
`echo`	
`md, cd, rd/rmdir`	directories
`xcopy, robocopy`	copy file trees (or other complex copy operations)

File search

`dir /b /s [Directory]\[FileName]`	Search directory structure for a file in a specific directory
`[Command] | find <string>`	Find <string> in command output
`[Command] | find /c <string>`	Count <string> in command output
`find /c /v “”`	Finds the count (/c) of lines that do not contain (/v) nothing (“”). Lines that do not have nothing are all lines, even blank lines, which contain CR/LF

Loops

`for /L %i in ([start],[step],[stop]) do [command]`	Counting Loop
`for /F %i in ([file-set]) do [command]`	Iterate over file line by line

System Info

```
DATE    Outputs or sets the current date     DATE
```

```
TIME    Displays or sets the system time     TIME
DRIVERQUERY     Displays the current state and properties of device drivers
DRIVERQUERY
HOSTNAME    Displays the name of the computer     HOSTNAME
SYSTEMINFO  Shows configuration information about your computer
SYSTEMINFO
VER     Displays the Windows version     VER
GPRESULT    Displays the currently applied group policies (RSoP)
GPRESULT /R
GPUPDATE    Updates group policies     GPUPDATE /FORCE
```

Tools

Network

`netstat –nao`	Show all TCP and UDP port usage and process ID
`netstat –nao [N] | find [port]`	Look for usage of port [port] every [N] seconds
`netstat –s –p [tcp|udp|ip|icmp]`	Dump detailed protocol statistics

```
PCONFIG     Shows information about network interfaces and IP configuration
IPCONFIG /ALL
PING    Sends ICMP requests to the target host to check its availability
PING google.com
TRACERT     Finds the network path for packets traveling to a destination
TRACERT google.com
NSLOOKUP    Finds the IP address for a resource name     NSLOOKUP google.com
ROUTE   Displays network route tables     ROUTE PRINT
ARP     Displays a table mapping IP addresses to physical (MAC) addresses
ARP -A
NETSH   Starts the network settings control program     NETSH INTERFACE IP
SHOW CONFIG
```

Reg

reg add [\\TargetIPaddr\][RegDomain]\[Key]

reg export [RegDomain]\[Key] [FileName]

reg import [FileName]

reg query [\\TargetIPaddr\][RegDomain]\[Key] /v [ValueName]

recurse with /s

wmic

wmic [alias] [where clause] [verb clause]

[aliases]: process service share nicconfig startup useraccount qfe

Example [where clauses]: where name="nc.exe" where (commandline like "%stuff") where (name="cmd.exe" and parentprocessid!="[pid]")

Example [verb clauses]: list [full|brief] get [attrib1,attrib2…] call [method] delete

List all attributes of [alias]: C:\> wmic [alias] get /?

List all callable methods of [alias]: C:\> wmic [alias] call /?

wmic process list full

wmic /node:[TargetIPaddr] /user:[User] /password:[Passwd] process list full

Netsh

Interacting with the Network Using Netsh Turn off built-in Windows firewall: C:\> netsh firewall set opmode disable Configure interface "Local Area Connection" with [IPaddr] [Netmask] [DefaultGW]: C:\> netsh interface ip set address local static [IPaddr] [Netmask] [DefaultGW] 1 Configure DNS server for "Local Area Connection": C:\> netsh interface ip set dns local static [IPaddr] Configure interface to use DHCP: C:\> netsh interface ip set address local dhcp

Administration

`schtasks /CREATE /SC DAILY /TN "Backup" /TR "C:\Backup.bat" /ST 12:00`	Schedule task
`schtasks`	List scheduled tasks
`shutdown -s -t 0`	shutdown now (time in sec 0)
`runas /USER:Administrator "notepad.exe"`	You guess!

GUI

Invoking Useful GUIs at the Command Line Local User Manager (includes group management): C:\> lusrmgr.msc Services Control Panel: C:\> services.msc Task Manager: C:\> taskmgr.exe Security Policy Manager: C:\> secpol.msc Event Viewer: C:\> eventvwr.msc Control Panel: C:\> control

Template