

Reg Command

Adding Keys and Values:

```
C:\> reg add  
[\\TargetIPaddr\[RegDomain]\[Key]
```

Add a key to the registry on machine [TargetIPaddr] within the registry domain [RegDomain] to location [Key]. If no remote machine is specified, the current machine is assumed.

Export and Import:

```
C:\> reg export [RegDomain]\[Key]  
[FileName]
```

Export all subkeys and values located in the domain [RegDomain] under the location [Key] to the file [FileName]

```
C:\> reg import [FileName]
```

Import all registry entries from the file [FileName]

Import and export can only be done from or to the local machine.

Query for a specific Value of a Key:

```
C:\> reg query  
[\\TargetIPaddr\[RegDomain]\[Key] /v  
[ValueName]
```

Query a key on machine [TargetIPaddr] within the registry domain [RegDomain] in location [Key] and get the specific value [ValueName] under that key. Add /s to recurse all values.

WMIC

Fundamental grammar:

```
C:\> wmic [alias] [where clause] [verb  
clause]
```

Useful [aliases]:

process	service
share	nicconfig
startup	useraccount
qfe (Quick Fix Engineering – shows patches)	

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 /?
```

Example:

List all attributes of all running processes:

```
C:\> wmic process list full
```

Make WMIC effect remote [TargetIPaddr]:

```
C:\> wmic /node:[TargetIPaddr]  
/user:[User] /password:[Passwd] process  
list full
```



Windows Command Line Cheat Sheet

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POCKET REFERENCE GUIDE

<http://www.sans.org>

Purpose

The purpose of this cheat sheet is to provide tips on how to use various Windows command that are frequently referenced in SANS 504, 517, 531, and 560.

Process and Service Information

List all processes currently running:

```
C:\> tasklist
```

List all processes currently running and the DLLs each has loaded:

```
C:\> tasklist /m
```

Lists all processes currently running which have the specified [dll] loaded:

```
C:\> tasklist /m [dll]
```

List all processes currently running and the services hosted in those processes:

```
C:\> tasklist /svc
```

Query brief status of all services:

```
C:\> sc query
```

Query the configuration of a specific service:

```
C:\> sc qc [ServiceName]
```

Shutdown and Restart

Shutdown Windows immediately:
C:\> shutdown /s /t 0

Note: Command may not power down the hardware.

Restart Windows immediately:
C:\> shutdown /r /t 0

Abort shutdown/restart countdown:
C:\> shutdown /a

Useful Netstat Syntax

Show all TCP and UDP port usage and process ID:
C:\> netstat -nao

Look for usage of port [port] every [N] seconds:
C:\> netstat -nao [N] | find [port]

Dump detailed protocol statistics:
C:\> netstat -s -p [tcp|udp|ip|icmp]

Installing Built-in Packages on Vista

Install telnet service on Vista:
C:\> pkgmgr /iu:"TelnetServer"

Install telnet client on Vista:
C:\> pkgmgr /iu:"TelnetClient"

Install IIS on Vista:
C:\> pkgmgr /iu:IIS-WebServerRole;WAS-
WindowsActivationService;WAS-
ProcessModel; WAS-NetFxEnvironment;WAS-
ConfigurationAPI
To remove any of these packages, replace install
update (/iu) with uninstall update (/uu)

File Search and Counting Lines

Search directory structure for a file in a specific
directory:
C:\> dir /b /s [Directory]\[FileName]

Count the number of lines on StandardOut of
[Command]:
C:\> [Command] | 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

Command Line FOR Loops

Counting Loop:
C:\> for /L %i in
([start],[step],[stop]) do [command]

Set %i to an initial value of [start] and increment
it by [step] at every iteration until its value is equal
to [stop]. For each iteration, run [command]. The
iterator variable %i can be used anywhere in the
command to represent its current value.

Iterate over file contents:
C:\> for /F %i in ([file-set]) do
[command]

Iterate through the contents of the file on a line-by-
line basis. For each iteration, store the contents of
the line into %i and run [command].

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

Close GUI windows by hitting Alt-F4

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