

That's a great idea for documentation! A **Man (Manual) page format** is perfect for a CLI-based game, offering concise and structured help.

Here is the database of core **NexusScript** commands and syntax in a simplified Man-page format, broken down by function and tiered by player progression.

NexusScript Command Database (Man Format)

I. Core System Commands (Level 1)

MAN PAGE: ls

NAME **ls** - list contents of virtual directories

SYNOPSIS **ls** [path]

DESCRIPTION Displays files and sub-directories within the **Virtual Computer (VC)** file system at the specified path. If no path is provided, lists the current directory.

OPTIONS **-l** (long) Shows file permissions and size (e.g., rwx, 32kb).

EXAMPLES **ls** /v system **ls** -l /v modules

MAN PAGE: cat

NAME **cat** - print contents of a file

SYNOPSIS **cat** [filepath]

DESCRIPTION Reads and outputs the contents of the specified virtual file to the **NexusShell** console.

EXAMPLES **cat** /v logs auth.log **cat** /v data passwords.txt

MAN PAGE: set

NAME **set** - declare and assign a variable or object

SYNOPSIS **set** \$[variable] = [value]

DESCRIPTION Creates a variable and assigns it a value (String, Integer, Boolean) or instantiates a new **NexusScript** object. Variables must be prefixed with \$.

EXAMPLES **set** \$user = "admin" **set** \$target = new IP 10 0 0 5 **set** \$online = TRUE

MAN PAGE: print

NAME **print** - display text or variable contents

SYNOPSIS **print** [message] [\$[variable]]

DESCRIPTION Outputs the specified text string or the value of a variable to the console.

EXAMPLES **print** "Scanning target network..." **print** "Password found: " \$pass

II. Basic Networking and Scripting (Level 1–5)

MAN PAGE: ping

NAME **ping** - test network connectivity

SYNOPSIS **ping** [IP_Object or address]

DESCRIPTION Sends a network request to the target to determine if it is alive and calculates virtual **latency**.

EXAMPLES ping 10 0 0 1 ping \$router_ip

MAN PAGE: scan

NAME scan - perform network discovery and port enumeration

SYNOPSIS scan [IP_Object or address]

DESCRIPTION Identifies open ports and services running on the target. Returns a collection of **Port_Object** results. Speed is limited by **NIC Hardware**.

OPTIONS --service Attempts to identify the specific software version of the running service. --subnet Scans the entire subnet range (e.g., scan 192 168 1 0 --subnet 24).

EXAMPLES scan \$target_ip --service set \$ports = scan 10 0 0 5

MAN PAGE: run

NAME run - execute a saved NexusScript module

SYNOPSIS run [module_name] ([arguments])

DESCRIPTION Executes a player-created function (module). Arguments are passed to the module's parameters.

OPTIONS --debug Performs a dry run, checking for basic syntax errors before execution.

EXAMPLES run my first script run brute force v1 (\$server_ip \$wordlist_file)

III. Object Method Reference (Common)

MAN PAGE: [Object].connect

NAME [Object].connect - attempt to establish a session with a target service

SYNOPSIS \$[Service_Object].connect([username] [password])

DESCRIPTION Attempts to log in to the specified service. Used on **Service_Object** instances found via scan. Returns TRUE on success, FALSE on failure.

EXAMPLES \$ftp_21.connect("anonymous" "guest@") if \$target.connect(\$user \$pass_var) { print "Success!" }

MAN PAGE: [Object].login

NAME [Object].login - (alias for connect) attempts login to a discovered service

SYNOPSIS \$[Service_Object].login([username] [password])

DESCRIPTION See [Object].connect.

EXAMPLES set \$status = \$web_server.login(\$u \$p)

IV. Advanced Hacking (Level 10+)

MAN PAGE: hashcrack

NAME hashcrack - crack a password hash using a wordlist

SYNOPSIS hashcrack [hash_string] [Wordlist_Object]

DESCRIPTION Attempts to find the plaintext password for a captured hash. Time taken depends on the **CPU Cores** and the complexity of the **Wordlist_Object** (ruleset).

OPTIONS -a (algorithm) Specify the simulated hashing algorithm (e.g., md5, sha256). Default is automatic detection.

EXAMPLES hashcrack "ab12c3" \$common_list set \$p = hashcrack \$captured_hash -a sha256

MAN PAGE: pivot

NAME pivot - use a compromised asset as a proxy jump-point

SYNOPSIS pivot [Compromised_IP] [command] [target]

DESCRIPTION Routes a subsequent network command through a successfully compromised server (where root access has been gained) to access an otherwise unreachable internal network segment.

EXAMPLES pivot \$server_1 scan 10 10 10 5 pivot \$internal_router ping 172 16 0 2

MAN PAGE: [Exploit_Object].deploy

NAME [Exploit_Object].deploy - execute a vulnerability exploit

SYNOPSIS \$[Exploit_Object].deploy([target IP] [target OS] [payload module])

DESCRIPTION Deploys the code contained within the Exploit_Object against the target. Requires the correct target system/service version. Success results in gaining **root** access.

EXAMPLES \$cve_77.deploy(\$target_ip "win_server_v2" \$shell_payload)
\$zero_day_v1.deploy(\$unknown_target "auto" \$data_exfil)