CCDC DOC

LATECH CSDC

Breaking in - Windows

- Sticky Keys
 - Shift 5 times: an administrative command prompt should appear
 - Enter the command and reset the password
 - "net user Administrator *"
- Logged in not admin
 - Rest computer
 - Pressing F8 during boot and selecting command prompt
 - Enter the commands
 - copy c:\windows\system32\cmd.exe
 - copy /y c:\windows\system32\cmd.exec:\windows\system32\sethc.exe
 - Reboot and follow the sticky key instructions
- Change password
 - o net user <username> *
 - Requires admin privileges

Breaking in - Linux

- Single User Mode
 - o BSD
 - TODO
 - Might need to remount root partition with command
 - mount -a o rw
 - Debian
 - Press shift to enter GRUB menu
 - Find the line that begins with "linux#" (either 16 or 32)
 - Replace ro with rw
 - Finally add init=/bin/bash to get a shell on boot
 - Redhat
 - Instead of init=/bin/bash use init=/sysroot/bin/sh
- Change Password
 - passwd username

Breaking in - Mac

- Single User Mode
 - Hold command-S on startup
 - o Run
 - Mount -uw /
 - o For 10.7 and later
 - launchctl load /System/Library/LaunchDaemons/com.apple.opendirectoryd.plist
 - o For 10.6 and before
 - launchctl load /System/Library/LaunchDaemons/com.apple.DirectoryServices.plist
- First time setup
 - Hold command-S on startup
 - Run
 - Mount -uw /
 - o Run
 - Vm /var/db/.AppleSetupDone
 - Reboot and create a new administrator account.

Breaking in - Palo Alto

- Always
 - Reboot the router
 - Press m during boot to load boot menu (called maint)
 - Factory reset router
- Reset IP command
 - configure
 - set deviceconfig system ip-address <IP> netmask <netmask>
 default-gateway <gateway-IP> dns-setting servers primary <DNS IP>
 - o commit

SERVICE	HARD	IP ADDR	VULNS

SERVICE LOOKUP

LINUX CHECKLIST

CHECK	TODO	COMMENT
	Update sudo rules: /etc/sudoers	
	Update SSH config: /etc/ssh/ssh_config	
	Use chattr +i to lock sudo, ssh	
	Run chmod -Rv go-rwx /root	
	Run chmod -Rv go-w /home/*	
	Add sysadmin user	
	Run systemctl -I and look for service running on host	
	Check to see if it is running as root!	
	Google service to get configs, exploits, and default creds	
	Backup configs , replacing <i>default creds</i>	
	Check for quick exploit fixes	
	Backup everything with tar zcv - <dir> gpg -c -cipher-algo aes256 -o <name>.tgz.gpg</name></dir>	
	Flex bash history by appending this to .bashrc shopt -s histappend PROMPT_COMMAND="history -a;\$PROMPT_COMMAND"	
	Change database default passwords	
	Setup fail2ban, mod_security (OPTIONAL)	

	1	2	3	4	5
Α					
В					
С					
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Е					
F					
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	6	7	8	9	10
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HOW TO USE TCPDUMP

TCPDUMP

sudo tcpdump --interface any

listens on all interfaces. Have fun reading the output

- Dumps all network traffic
- Can be used to see how the scoring engine works
- And then maximize security by complying with scoring engine

HOW TO USE TAR

TAR / GUNZIP

Zip Files

tar -cvf sample1.tar /home/sample1dir/

where,

c - Creates a new .tar archive file.

v - Verbosely show the .tar file progress.

f - File name type of the archive file.

Above command creates a "sample1.tar" file by zipping "/home/sample1dir/" directory.

gzip archive

To create a compressed gzip archive file we use the option as z:

tar cvzf sample2.tar.gz /home/sample2dir

or

tar cvzf sample3.tgz /home/sample3dir

Archiving

compress (tar/gzip)
tar cvzf <file>.tgz <directory>
extract (tar/gzip)
tar xvzf <file>.tgz
compress (tar/bzip)
tar cvjf <file>.tbz <directory>
extract (tar/bzip)
tar xvjf <file>.tbz
extract (gzip)
gunzip <file>.qzip



Untar single file from tar archive file

To extract only specific file from archive file:

For *.tar:

tar -xvf sample1.tar process.sh

(or)

tar -- extract -- file = sample 1.tar process.sh

For *.tar.gz:

tar -zxvf codedir.tar.gz pom.xml

(or

tar --extract --file=codedir.tar.gz pom.xml

For * tar bz2

tar -jxvf phpfiles.tar.bz2 home/php/index.php

(or)

tar --extract --file=phpfiles.tar.bz2 /home/php/index.php

Untar multiple files

To extract or untar multiple files from the tar, tar.gz and tar.bz2 archive file. For example the below command will extract "file 1" "file 2" from the archive files.

tar -xvf sample1.tar "file 1" "file 2"

tar -zxvf sample2.tar.gz "file 1" "file 2"

tar -jxvf sample3.tar.bz2 "file 1" "file 2"

HOW TO USE FIND

FIND

Conditions

Usage find <path> <conditions> <actions> Access time conditions -atime 0 # Last accessed between now and 24 hours ago -atime +0 # Accessed more than 24 hours ago -atime 1 # Accessed between 24 and 48 hours ago -atime +1 # Accessed more than 48 hours ago -atime -1 # Accessed less than 24 hours ago (same a 0) -ctime -6h30m # File status changed within the last 6 hours and 30 mi -mtime +1w # Last modified more than 1 week ago These conditions only work in MacOS and BSD-like systems (no GNU/Linux support). Condition flow \! -name "*.c" \(x -or y \) Actions -exec rm {} \; -print -delete

```
-name "*.c"
-user jonathan
-nouser
                  # File
-type f
                  # Directory
-type d
                  # Symlink
-type 1
-depth 2
                  # At least 3 levels deep
-regex PATTERN
-size 8
                  # Exactly 8 512-bit blocks
-size -128c
                  # Smaller than 128 bytes
-size 1440k
                  # Exactly 1440KiB
-size +10M
                  # Larger than 10MiB
-size +2G
                  # Larger than 2GiB
-newer file.txt
-newerm file.txt
                        # modified newer than file.txt
-newerX file.txt
                        # [c]hange, [m]odified, [B]create
-newerXt "1 hour ago"
                        # [t]imestamp
```

Examples

```
find . -name '*.jpg'
find . -name '*.jpg' -exec rm {} \;

find . -newerBt "24 hours ago"

find . -type f -mtime +29 # find files modified more than 30 days ago
```

HOW TO USE TMUX

TMUX

Sessions

```
$ tmux new
$ tmux new -s session_name

$ tmux attach # Default session
$ tmux attach -t session_name

$ tmux switch -t session_name

$ tmux ls # List sessions

$ tmux detach
```

Panes

```
C-b % # vert
C-b " # horiz
C-b hkjl # navigation
C-b HJKL # resize
C-b o # next window
C-b q # show pane numbers
C-b x # close pane

C-b { or } # move windows around
```

Windows

New window

Go to window 1

Go to next window

List all window

Go to previous window

C-b c

C-b 1

C-b n

C-b p

C-b w

```
x detach
```

Detach/attach

```
C-b d  # Detach
C-b ( )  # Switch through sessions
$ tmux attach
```

HOW TO USE MYSQL

MYSQL

Browsing

```
SHOW DATABASES;
SHOW TABLES;
SHOW FIELDS FROM table / DESCRIBE table;
SHOW CREATE TABLE table;
SHOW PROCESSLIST;
KILL process number;
```

Select - Join

```
SELECT ... FROM t1 JOIN t2 ON t1.id1 = t2.id2 WHERE condition;
SELECT ... FROM t1 LEFT JOIN t2 ON t1.id1 = t2.id2 WHERE condition;
SELECT ... FROM t1 JOIN (t2 JOIN t3 ON ...) ON ...
```

Create / Open / Delete Database

```
CREATE DATABASE DatabaseName;
CREATE DATABASE DatabaseName CHARACTER SET utf8;
USE DatabaseName;
DROP DATABASE DatabaseName;
ALTER DATABASE DatabaseName CHARACTER SET utf8;
```

Backup Database to SQL File

```
mysqldump -u Username -p dbNameYouWant > databasename backup.sql
```

Select

```
SELECT * FROM table;
SELECT * FROM table1, table2;
SELECT field1, field2 FROM table1, table2;
SELECT ... FROM ... WHERE condition
SELECT ... FROM ... WHERE condition GROUP BY field;
SELECT ... FROM ... WHERE condition GROUP BY field HAVING condition2;
SELECT ... FROM ... WHERE condition ORDER BY field1, field2;
SELECT ... FROM ... WHERE condition ORDER BY field1, field2 DESC;
SELECT ... FROM ... WHERE condition LIMIT 10;
SELECT DISTINCT field1 FROM ...
SELECT DISTINCT field1, field2 FROM ...
```

Conditions

```
field1 = value1
field1 <> value1
field1 LIKE 'value %'
field1 IS NULL
field1 IS NOT NULL
field1 IS IN (value1, value2)
field1 IS NOT IN (value1, value2)
condition1 AND condition2
condition1 OR condition2
```

Restore from backup SQL File (1



mysql - u Username -p dbNameYouWant < databasename_backup.sql;

HOW TO USE DOCKER

DOCKER

docker run

Example

```
docker build
   docker build [options] .
     -t "app/container_name"
                                   # name
     --build-arg APP HOME=$APP HOME
                                          # Set build-time variables
   Create an image from a Dockerfile.
docker exec
  docker exec [options] CONTAINER COMMAND
   -d, --detach
                      # run in background
   -i, --interactive # stdin
   -t, --tty
                    # interactive
 Example
 $ docker exec app_web_1 tail logs/development.log
 $ docker exec -t -i app web 1 rails c
 Run commands in a container.
docker start
 docker start [options] CONTAINER
   -a, --attach
                    # attach stdout/err
   -i, --interactive # attach stdin
 docker stop [options] CONTAINER
 Start/stop a container.
```

```
Run a command in an image.
```

\$ docker create -- name app_redis_1 \

--expose 6379 \

redis:3.0.2

\$ docker run -it debian:buster /bin/bash

see 'docker create' for options

docker run [options] IMAGE

```
docker create
 docker create [options] IMAGE
    -a, --attach
                              # attach stdout/err
    -i, --interactive
                              # attach stdin (interactive)
    -t, --tty
                              # pseudo-tty
        --name NAME
                              # name your image
                              # port map (host:container)
    -p, --publish 5000:5000
       --expose 5432
                              # expose a port to linked containers
                              # publish all ports
    -P, --publish-all
        --link container:alias # linking
    -v, --volume `pwd`:/app
                              # mount (absolute paths needed)
    -e, --env NAME=hello
                              # env vars
  Example
```

HOW TO USE NMAP

NMAP

- Ping Scan use to discover assets on network
 - o nmap -sp 192.100.1.1/24
- Service harvesting
 - o nmap -sC -sV -oA nmap/scan.nmap 192.100.1.1/24

HOW TO USE SYSTEMCTL

SYSTEMCTL

- Get enabled services
 - sudo systemctl list-unit-files | grep enabled
- Scroll through enabled services
 - o sudo systemctl -l
- Common commands
 - sudo systemctl start <service>
 - sudo systemctl status <service>
 - sudo systemctl stop <service>
 - sudo systemctl restart <service>
- If they disabled it (or re-enable)
 - sudo systemctl enable <service>
 - sudo systemctl disable <service>

ACCOUNT MANAGEMENT

ACCOUNT MANAGEMENT

- Lock / unlock user
 - o passwd -l <username>
 - o passwd -u <username>
- Add sysadmin user (run as root)
 - useradd -p password -m -d /var/\$ADMINUSER \$ADMINUSER
 - m create home -d where is home
 - usermod -aG sudo \$ADMINUSER
 - o chmod -R 750 /var/\$ADMINUSER
 - chown -R \$ADMINUSER /var/\$ADMINUSER
- Deleting user
 - sudo userdel -r <username>
- Get user in group
 - sudo getent group <group_name>

IP TOOLS

IP TOOLS

MODIFYING ADD	RESS AND LINK PRO	OPERTIES	
SUBCOMMAND	1	DESCRIPTIONS AND TASKS	
	addr a	add Add an address	
		ip addr add 192.168.1.1/24 dev em1 Add address 192.168.1.1 with netmask 24 to device em1	
	addr	del Delete an address	
		ip addr del 192.168.1.1/24 dev em1	
		Remove address 192.168.1.1/24 from device em1	
	link	set Alter the status of the interface	
		ip link set em1 up Bring em1 online	
		ip link set em1 down	ip neigh
		Bring em1 offline	ip -s neigh
		ip link set em1 mtu 9000 Set the MTU on em1 to 9000	ip neigh add 192.168.1.1 lladdr 1:2:3:4:5:6 dev eth1
		ip link set em1 promisc on Enable promiscuous mode for em1	ip neigh del 192.168.1.1 dev eth1
ADJUSTING AND VIE	WING POLITES	Enable profitscuous mode for emi	ip addr
ADJUSTING AND VIEW SUBCOMMAND		ESCRIPTIONS AND TASKS	ip link set eth0 down
	route add A	dd an entry to the routing table	ip link set eth0 up
		oroute add default via 192.168.1.1 dev em1 dd a default route (for all addresses) via the local gateway 192.168.1.1 that can be reached on device em1	
	147	route add 192.168.1.0/24 via 192.168.1.1	ip addr add 192.168.1.1/24 dev eth0
		dd a route to 192.168.1.0/24 via the gateway at 192.168.1.1 o route add 192.168.1.0/24 dev em1	
		dd a route to 192.168.1.0/24 that can be reached on evice em1	ip link set eth0 mtu 9000
	route delete D	elete a routing table entry	ip addr add 192.168.1.2/24 dev eth0
	10.0	route delete 192.168.1.0/24 via 192.168.1.1	SS
		elete the route for 192.168.1.0/24 via the gateway at 192.168.1.1 eplace, or add if not defined, a route	ss -neopa
Toute replace		ip route replace 192.168.1.0/24 dev em1	ip maddr
		eplace the defined route for 192.168.1.0/24 to use evice em1	ip route
	route get D	isplay the route an address will take	ip route add 192.168.1.0/24 dev eth0
	24.	oroute get 192.168.1.5 isplay the route taken for IP 192.168.1.5	ip route add default via 192.168.1.1

NET-TOOLS

IP TOOLS

NET-TOOLS COMMANDS arp -a arp -v arp -s 192.168.1.1 1:2:3:4:5:6 arp -i eth1 -d 192.168.1.1 ifconfig -a ifconfig eth0 down ifconfig eth0 up ifconfig eth0 192.168.1.1 ifconfig eth0 netmask 255.255.255.0 ifconfig eth0 mtu 9000 ifconfig eth0:0 192.168.1.2 netstat netstat -neopa netstat -g route route add -net 192.168.1.0 netmask 255.255.255.0 dev eth0 route add default gw 192.168.1.1

UPDATE LINUX KERNEL

KERNEL

- If we want we can update kernel
- Ubuntu
 - sudo apt-get update; sudo apt-get install linux-virtual
- Debian
 - sudo apt-cache search linux-image # find appropriate version
 - sudo apt install linux-image-<flavour> # install
- Redhat
 - sudo yum update kernel

Securing SSH

/etc/ssh/ssh_config

- First BACK IT UP
 - sudo cp /etc/ssh/sshd_config /etc/ssh/sshd_config.bak
- Must add rules to add
 - PermitEmptyPasswords no
 - PermitRootLogin no
 - IgnoreRhosts yes
 - o Protocol 2
 - ClientAliveInterval 180 # if inactive for 3 minutes kill session
 - AllowUsers <username> # if they do not use ssh for scoring engine...
 - MaxAuthTries 3
 - X11Forwarding no
 - AllowAgentForwarding no
 - AllowTcpForwarding no
 - PermitTunnel no
- To confirm rules
 - o sudo sshd -T
- To apply changes
 - sudo systemctl restart sshd
- Cheeky shenanigans
 - o AllowUsers *@203.0.113.1 sammy@203.0.113.2 # allows only certain IP to ssh

Securing Sudo

/etc/sudoers

- First BACK IT UP
 - sudo cp /etc/sudoers /etc/sudoers.bak
- Remove
 - <username> ALL=(ALL:ALL) ALL # tis a bad idea
 - o TODO confirm
- Must add rules to add
 - Defaults requiretty
 - Defaults logfile=/var/log/sudo.log
 - Defaults use_pty
- Cheeky rules to add
 - Defaults timestamp_timeout=0 # require password for each command
 - Defaults insults # insults you when wrong

Setting up fail2ban

/etc/fail2ban/jail.local

- Install it
 - o <pkg manager> install fail2ban
- Add these rules
 - o [sshd]
 - enabled = true
 - o bantime = 5m
 - o maxretry = 3
- Start the service
 - systemctl start fail2ban

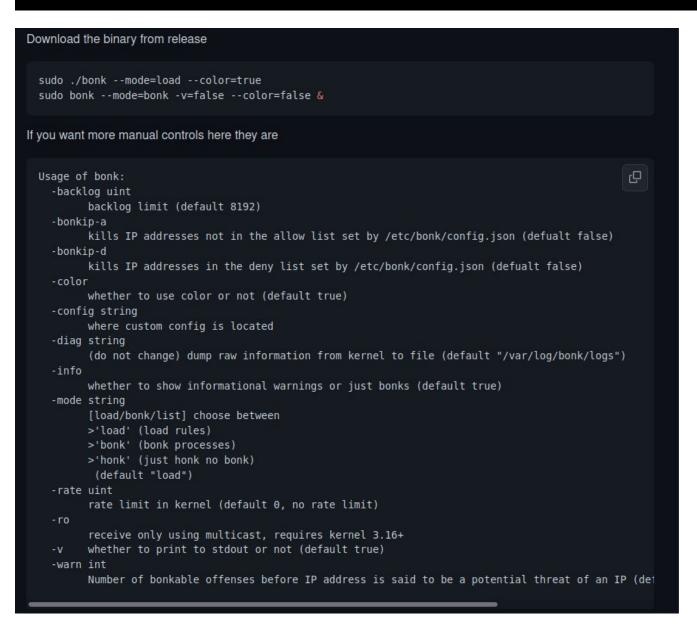
Setting up mod_security

/..

- APACHE
 - UBUNTU
 - apt install libapache2-mod-security2
 - sudo a2enmod security2
 - sudo systemctl restart apache2
 - FEDORA / REDHAT
 - sudo yum install mod_security
 - sudo systemctl restart httpd
- RULES
 - sudo cp /etc/modsecurity/modsecurity.conf-recommended /etc/modsecurity/modsecurity.conf
 - sudo nano /etc/modsecurity/modsecurity.conf
 - Near the top of the file, you'll see SecRuleEngine DetectionOnly. Change DetectionOnly to On.
 - systemctl restart apache2 # or httpd
- OWASP CRS
 - wget https://github.com/coreruleset/coreruleset/archive/v3.3.0.zip
 - unzip FileName.zip
 - mv coreruleset-3.3.0/crs-setup.conf.example /etc/modsecurity/crs-setup.conf
 - mv coreruleset-3.3.0/rules/ /etc/modsecurity/
 - o nano /etc/apache2/mods-enabled/security2.conf
 - IncludeOptional /etc/modsecurity/*.conf
 - Include /etc/modsecurity/rules/*.conf
 - systemctl restart apache2

Setting up Bonk

/var/log/bonk/bonk.log, /etc/bonk/config.json



Modes

- Load
 - yells at kernel to add rule, exits.
- Bonk
 - o listens at the kernel yelling. Checks against the config.json file to see allowed users (if you remove root / current user / unset bonk will just kill itself). If the syscall is naughty, bonk)
- Honk
 - does not bonk just says hey I would nuke this if you want me to!
- bonkip-a / bonkip-b
 - o looks at the process table to get the IP address and compares it against that of the config. If it violates it either tells you or bonks it.

Setting up Bonk

/var/log/bonk/bonk.log, /etc/bonk/config.json

```
"allowed-ips": [
],
"banned-ips": [
],
"allowed-user": [
    "kevin",
   "unset",
    "root"
],
"rules": [
    "-w /var/www/html -p wa -key apache"
],
"bonkable": [
    "actions",
    "passwd_modification",
    "group_modification",
   "user_modification",
    "network_modifications",
    "pam",
    "mail".
    "sshd",
    "rootkey",
    "systemd",
    "unauthedfileaccess",
    "priv_esc",
    "power",
    "dbus_send",
    "code_injection",
    "data_injection",
    "tracing",
    "register_injection",
    "software_mgmt"
```

- How to Configure
- Allowed IPs are IPs that should never be bonked with the flag bonkip-a
- Banned IPs are IPs that can be bonked with the flag bonkip-b
- Rules are audit based rules for the kernel to watch
- Bonkable are the rules to bonk

POWERSHELL

POWERSHELL

PowerShell Basic Cheat Sheet

PowerShell is a task based command line shell and scripting language. To run it, click Start, type PowerShell, run PowerShell ISE or PowerShell as Administrator.

Commands are written in verb-noun form, and named parameters start with a dash.

Basics

Cmdlet	Commands built into shell written in .NET
Functions	Commands written in PowerShell language
Parameter	Argument to a Cmdlet/Function/Script
Alias	Shortcut for a Cmdlet or Function
Scripts	Text files with .ps1 extension
Applications	Existing windows programs
Pipelines	Pass objects Get-process word Stop-Process
Ctrl+c	Interrupt current command
Left/right	Navigate editing cursor
Ctrl+left/right	Navigate a word at a time
Home / End	Move to start / end of line
Up/down	Move up and down through history
Insert	Toggles between insert/overwrite mode
F7	Command history in a window
Tab / Shift-Tab	Command line completion

Help

Get-Command	Get all commands
Get-Command -Module RGHS	Get all commands in RGHS module
Get-Command Get-p*	Get all commands starting with get-p
Get-help get-process	Get help for command
Get-Process Get-Member	Get members of the object
Get-Process format-list -properties *	Get-Process as list with all properties

Variables

\$var = "string"	Assign variable	
\$a,\$b = 0 or \$a,\$b = 'a','b'	Assign multiple variables	
\$a,\$b = \$b,\$a	Flip variables	
\$var=[int]5	Strongly typed variable	

Assignment, Logical, Comparison Operators

=,+=,-=,++,	Assign values to variable
-and,-or,-not,!	Connect expressions / statements
-eq, -ne	Equal, not equal
-gt, -ge	Greater than, greater than or equal
-lt, -le	Less than, less than or equal
-replace	"Hi" -replace "H", "P"
-match,-notmatch	Regular expression match
-like,-notlike	Wildcard matching
-contains,-notcontains	Check if value in array
-in, -notin	Reverse of contains, not contains.

Parameters

Cmdlets

-Confirm	Prompt whether to take action	
-WhatIf	Displays what command would do	

Get-EventLog	Get-WinEvent
	Get-Date
Start-Sleep	Compare-Object
Start-Job	Get-Credential
Test-Connection	New-PSSession
Test-Path	Split-Path
Get-ADUser	Get-ADComputer
Get-History	New-ISESnippet
Get-WMIObject	Get-CimInstance

Arrays, Objects

\$arr = "a", "b"	Array of strings
\$arr = @()	Empty array
\$arr[5]	Sixth array element
\$arr[-31]	Last three array elements
\$arr[1,4+69]	Elements at index 1,4, 6-9
\$arr[1] += 200	Add to array item value
\$z = \$arA + \$arB	Two arrays into single array
[pscustomobject]@{x=1;z=2}	Create custom object
(Get-Date).Date	Date property of object

Importing, Exporting, Converting

Export-CliXML	Import-CliXML
ConvertTo-XML	ConvertTo-HTML
Export-CSV	Import-CSV
ConvertTo-CSV	ConvertFrom-CSV

Flow Control

If(){} Elseif(){ } Else{ }	
while(){}	
For(\$i=0; \$i -lt 10; \$i++){}	
Foreach(\$file in dir C:\){\$file.nam	ne)
110 foreach(\$_}	

Comments, Escape Characters

#Comment	Comment
<#comment#>	Multiline Comment
"`"test`""	Escape char `
`t	Tab
`n	New line
*	Line continue

Aliases for common commands

Aliases for common commands		
Gcm	Get-Command	
Foreach,%	Foreach-Object	
Sort	Sort-Object	
Where,?	Where-Object	
Diff,compare	Compare-Object	
Dir, Is, gci	Get-ChildItem	
Gi	Get-Item	
Сору,ср,срі	Copy-Item	
Move,mv,mi	Move-Item	
Del,rm	Remove-Item	
Rni,ren	Rename-Item	
Ft	Format-Table	
FI	Format-List	
Gcim	Get-CimInstance	
Cat,gc,type	Get-Content	
Sc	Set-Content	
h,history,ghy	Get-History	
lhy,r	Invoke-History	
Gp	Get-ItemProperty	
Sp	Set-ItemProperty	
Pwd,gl	Get-Location	
Gm	Get-Member	
SIs	Select-String	
Cd,chdir,sl	Set-Location	
Cls,clear	Clear-Host	

Cmdlets

Set-Location
Get-Content
Add-Content
Set-Content
Out-File
Out-String
Copy-Item
Remove-Item
Move-Item
Set-Item
New-Item

Writing output and reading input

"This displays a string"	String is written directly to output
Write-Host "color" -ForegroundColor Red -NoNewLine	String with colors, no new line at end
\$age = Read-host "Please enter your age"	Set \$age variable to input from user
\$pwd = Read-host "Please enter your password" -asSecureString	Read in \$pwd as secure string
Clear-Host	Clear console

Scripts

Set-ExecutionPolicy -ExecutionPolicy Bypass	Set execution policy to allow all scripts
."\\c-is-ts-91\c\$\scripts\script.ps1"	Run Script.PS1 script in current scope
&"\\c-is-ts-91\c\$\scripts\script.ps1"	Run Script.PS1 script in script scope
.\Script.ps1	Run Script.ps1 script in script scope
\$profile	Your personal profile that runs at launch

Example command: dir C:\users\example -recurse -File | ?{\$_.\textbf{LastWriteTime} -gt [datetime]::Today} | Select LastWriteTime, CreationTime, Length, FullName | sort LastWriteTime -descending | ft -AutoSize This gets all files under C:\users\example, filters by lastwritetime today, only returns lastwritetime, creationtime, length and fullname, sorts by lastwritetime and outputs results in an autosized table

Disabling Macros (Office)

It can be done via Group Policy with appropriate Administrative Templates installed/imported.

- Download the templates: go to https://www.microsoft.com/en-us/download and search for "Office 20xx Administrative Template files", where xx is your Office version installed.
- Import them to Group Policy Editor: right click on User Configuration -> Administrative Templates
 and click "Add/Remove Templates" -> Add -> browse to the folder you saved the templates to
 (browse to the ADM folder) -> OK
- Set it all up:
 - under User Configuration -> Administrative Templates -> Clasic Administrative Templates
 (ADM) -> Microsoft Office 20xx -> Security Settings -> enable the Disable VBA for Office applications
 - 2. in the same branch select all product you want to have macros disabled (typically Word, Excel and Powerpoint) and go to Microsoft 20xx -> Options -> Security -> Trust Center -> enable the VBA Macro Notification Settings as "Disable all with notification"

hint: Group Policy Editor is "gpedit.msc"